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```

name: <unnamed>
log: E:\16GBBACKUPUSB\BACKUP_USB_SEPTEMBER2014\May_Baydoun_folder\HANDLS_PAPER65_HCY_COGN\OUTPUT\TABLE2.s
log type: smcl
opened on: 5 Dec 2023, 18:59:06

```

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1 .
2 . use finaldata_imputed_FINAL,clear

3 .
4 .
5 . *****
6 . *****TABLE 2: BASELINE HOMOCYSTEINE VS. COGNITIVE CHANGE OVER TIME: OVERALL*****
7 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
8 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5
Number of obs = 2,653

Number of groups = 1,430
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI =
    Largest FMI =
    DF: min = 0.00
        avg =
        max =
F( 13, 7.8e+64) = 16.33
Prob > F = 0.0000

```

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0076983	.0205083	-0.38	0.707	-.0478938 .0324972
w1Agecent48	-.0243113	.0060569	-4.01	0.000	-.0361827 -.01244
c.timew1w3#c.w1Agecent48	-.0024636	.0011894	-2.07	0.038	-.0047947 -.0001324
timew1w3	0	(omitted)			
Sex					
Men	-.3372967	.114574	-2.94	0.003	-.5618577 -.1127358
Sex#c.timew1w3					
Men	.0263993	.0224671	1.18	0.240	-.0176355 .070434
timew1w3	0	(omitted)			
Race					
AfrAm	-.7656806	.1102424	-6.95	0.000	-.9817518 -.5496094
Race#c.timew1w3					
AfrAm	.0006878	.0217951	0.03	0.975	-.0420299 .0434055
timew1w3	0	(omitted)			
PovStat					
Below	-.5454239	.1142406	-4.77	0.000	-.7693314 -.3215165

PovStat#c.timew1w3						
Below	<b>- .014306</b>	<b>.0220387</b>	<b>-0.65</b>	<b>0.516</b>	<b>-.0575011</b>	<b>.028889</b>
timew1w3	<b>0</b>	(omitted)				
invmillsmms	<b>.0093004</b>	<b>.0035742</b>	<b>2.60</b>	<b>0.009</b>	<b>.0022951</b>	<b>.0163057</b>
c.timew1w3#c.invmillsmms	<b>-.0018998</b>	<b>.0006355</b>	<b>-2.99</b>	<b>0.003</b>	<b>-.0031454</b>	<b>-.0006542</b>
timew1w3	<b>0</b>	(omitted)				
w1HCYcenter2p15	<b>-.3103879</b>	<b>.1764811</b>	<b>-1.76</b>	<b>0.079</b>	<b>-.6562844</b>	<b>.0355086</b>
c.timew1w3#c.w1HCYcenter2p15	<b>.0115006</b>	<b>.0352765</b>	<b>0.33</b>	<b>0.744</b>	<b>-.05764</b>	<b>.0806412</b>
_cons	<b>28.615</b>	<b>.1018797</b>	<b>280.87</b>	<b>0.000</b>	<b>28.41532</b>	<b>28.81468</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.1196638</b>	.	.	.
sd(_cons)	<b>1.644915</b>	.	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.	.
sd(Residual)	<b>1.20066</b>	.	.	.

```

9 .
10 .
11 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,653
Number of groups = 1,430
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI =
Largest FMI =
DF: min = 0.00
    avg =
    max =
F( 13, 7.0e+64) = 18.09
Prob > F = 0.0000

```

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.1869744</b>	<b>.1654427</b>	<b>-1.13</b>	<b>0.258</b>	<b>-.5112361</b>
w1Agecent48	<b>-.1989027</b>	<b>.0445213</b>	<b>-4.47</b>	<b>0.000</b>	<b>-.2861629</b>
c.timew1w3#c.w1Agecent48	<b>-.0202542</b>	<b>.0095732</b>	<b>-2.12</b>	<b>0.034</b>	<b>-.0390174</b>
timew1w3	<b>0</b>	(omitted)			
Sex					
Men	<b>-1.952805</b>	<b>.8422175</b>	<b>-2.32</b>	<b>0.020</b>	<b>-3.603521</b>
Sex#c.timew1w3					

	Men	.1537632	.1807958	0.85	0.395	-.2005901	.5081166
	timew1w3	0	(omitted)				
Race							
AfrAm		-6.859021	.8103665	-8.46	0.000	-8.44731	-5.270732
Race#c.timew1w3							
AfrAm		.063954	.1754879	0.36	0.716	-.279996	.407904
timew1w3		0	(omitted)				
PovStat							
Below		-4.174343	.8400682	-4.97	0.000	-5.820846	-2.527839
PovStat#c.timew1w3							
Below		-.2320199	.1771093	-1.31	0.190	-.5791478	.115108
timew1w3		0	(omitted)				
invmillsmms		.0534958	.0262862	2.04	0.042	.0019757	.1050159
c.timew1w3#c.invmillsmms		-.0098352	.0050687	-1.94	0.052	-.0197696	.0000993
timew1w3		0	(omitted)				
w1HCYcenter2p15		-1.620757	1.297312	-1.25	0.212	-4.16344	.9219275
c.timew1w3#c.w1HCYcenter2p15		.0654342	.2844622	0.23	0.818	-.4921015	.6229698
_cons		83.58919	.7484454	111.68	0.000	82.12226	85.05611

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	.540305	.	.	.	.
sd(_cons)	11.18144	.	.	.	.
corr(timew1w3,_cons)	-.9999999	.	.	.	.
sd(Residual)	9.96438	.	.	.	.

```

12 .
13 .
14 .
15 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4bobs==1 || HNDID: timew1w3

```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,464

Group variable: HNDID Number of groups = 1,420  
 Obs per group:  
     min = 1  
     avg = 1.7  
     max = 2  
     Average RVI = 0.0000  
     Largest FMI = 0.0000  
 DF adjustment: Large sample DF: min = 1.43e+56  
                   avg = 4.23e+63  
                   max = .  
 Model F test: Equal FMI F( 13, 7.1e+66) = 101.74  
 Prob > F = 0.0000

cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-1.132589	.0705978	-16.04	0.000	-1.270958 -.9942196
w1Agecent48	-.1528084	.0197661	-7.73	0.000	-.1915493 -.1140675
c.timew1w3#c.w1Agecent48	-.0076276	.0039805	-1.92	0.055	-.0154293 .0001741
timew1w3	0 (omitted)				
Sex					
Men	-2.528363	.3732673	-6.77	0.000	-3.259953 -1.796772
Sex#c.timew1w3					
Men	-.1364546	.075207	-1.81	0.070	-.2838577 .0109485
timew1w3	0 (omitted)				
Race					
AfrAm	-2.778671	.3602299	-7.71	0.000	-3.484709 -2.072634
Race#c.timew1w3					
AfrAm	.0805277	.0730476	1.10	0.270	-.0626429 .2236983
timew1w3	0 (omitted)				
PovStat					
Below	-1.722632	.3678678	-4.68	0.000	-2.44364 -1.001625
PovStat#c.timew1w3					
Below	-.0012603	.0720905	-0.02	0.986	-.142555 .1400344
timew1w3	0 (omitted)				
invmillsmms	.0196976	.0112	1.76	0.079	-.0022541 .0416492
c.timew1w3#c.invmillsmms	-.0004086	.0019939	-0.20	0.838	-.0043166 .0034994
timew1w3	0 (omitted)				
w1HCYcenter2p15	.5794982	.5704608	1.02	0.310	-.5385845 1.697581
c.timew1w3#c.w1HCYcenter2p15	-.101929	.1152552	-0.88	0.376	-.327825 .1239671
_cons	28.08975	.3367076	83.42	0.000	27.42981 28.74968

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.2477982	.152739	.0740339	.829403
sd(_cons)	4.95513	.134758	4.697925	5.226416
sd(Residual)	3.779213	.1353404	3.523046	4.054007

16 .  
 17 .  
 18 .  
 19 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4cobs==1 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,339

Group variable: HNDID

Number of groups	=	1,391
Obs per group:		
min	=	1
avg	=	1.7
max	=	2
Average RVI	=	0.0000
Largest FMI	=	0.0000

DF adjustment: Large sample

DF:	min	=	.
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 13, .)	=	62.21
Prob > F	=	0.0000

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	-.3563869	.0345961	-10.30	0.000	-.424194	-.2885798
w1Agecent48	-.0813245	.0092797	-8.76	0.000	-.0995123	-.0631367
c.timew1w3##c.w1Agecent48	-.0036277	.0019561	-1.85	0.064	-.0074616	.0002063
timew1w3	0	(omitted)				
Sex						
Men	-1.13658	.1750691	-6.49	0.000	-1.479709	-.7934504
Sex#c.timew1w3						
Men	-.0481819	.0365762	-1.32	0.188	-.11987	.0235062
timew1w3	0	(omitted)				
Race						
AfrAm	-1.552929	.1686555	-9.21	0.000	-1.883488	-1.22237
Race#c.timew1w3						
AfrAm	.020593	.0356337	0.58	0.563	-.0492477	.0904337
timew1w3	0	(omitted)				
PovStat						
Below	-.5516436	.1722645	-3.20	0.001	-.8892758	-.2140114
PovStat#c.timew1w3						

Below	<b>- .0330745</b>	<b>.0351075</b>	<b>-0.94</b>	<b>0.346</b>	<b>-.1018838</b>	<b>.0357349</b>
timew1w3 invmillsmms	<b>0</b> (omitted) <b>.0094393</b>	<b>.0051854</b>	<b>1.82</b>	<b>0.069</b>	<b>-.000724</b>	<b>.0196025</b>
c.timew1w3#c.invmillsmms	<b>-.0003839</b>	<b>.0009405</b>	<b>-0.41</b>	<b>0.683</b>	<b>-.0022274</b>	<b>.0014595</b>
timew1w3 w1HCYcenter2p15	<b>0</b> (omitted) <b>.2915529</b>	<b>.2677972</b>	<b>1.09</b>	<b>0.276</b>	<b>-.23332</b>	<b>.8164257</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0086159</b>	<b>.0562105</b>	<b>-0.15</b>	<b>0.878</b>	<b>-.1187864</b>	<b>.1015546</b>
_cons	<b>8.962116</b>	<b>.1578305</b>	<b>56.78</b>	<b>0.000</b>	<b>8.652774</b>	<b>9.271458</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.0000288</b>	<b>.0057071</b>	<b>4.4e-174</b>	<b>1.9e+164</b>
sd(_cons)	<b>2.212249</b>	<b>.0644668</b>	<b>2.089438</b>	<b>2.34228</b>
sd(Residual)	<b>1.827166</b>	<b>.0422614</b>	<b>1.746185</b>	<b>1.911903</b>

```

20 .
21 .
22 .
23 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,751

Number of groups = 1,443
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI = 0.0000
Largest FMI = 0.0000
DF: min = 1.57e+61
        avg = 1.06e+62
        max = .
F( 13, 1.8e+63) = 43.17
Prob > F = 0.0000

```

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>.2396277</b>	<b>.0478714</b>	<b>5.01</b>	<b>0.000</b>	<b>.1458015</b>	<b>.333454</b>
w1Agecent48	<b>.1303875</b>	<b>.0139127</b>	<b>9.37</b>	<b>0.000</b>	<b>.1031191</b>	<b>.1576558</b>
c.timew1w3#c.w1Agecent48	<b>.0064736</b>	<b>.0028095</b>	<b>2.30</b>	<b>0.021</b>	<b>.0009671</b>	<b>.01198</b>
timew1w3	<b>0</b> (omitted)					
Sex						
Men	<b>-1.074394</b>	<b>.263386</b>	<b>-4.08</b>	<b>0.000</b>	<b>-1.590621</b>	<b>-.5581672</b>
Sex#c.timew1w3						
Men	<b>.0821452</b>	<b>.0529099</b>	<b>1.55</b>	<b>0.121</b>	<b>-.0215563</b>	<b>.1858467</b>

	timew1w3	0 (omitted)					
Race	AfrAm	<b>1.075026</b>	<b>.2528713</b>	<b>4.25</b>	<b>0.000</b>	<b>.5794074</b>	<b>1.570645</b>
Race#c.timew1w3	AfrAm	<b>.1679317</b>	<b>.0510955</b>	<b>3.29</b>	<b>0.001</b>	<b>.0677864</b>	<b>.2680771</b>
	timew1w3	0 (omitted)					
PovStat	Below	<b>1.18153</b>	<b>.2616944</b>	<b>4.51</b>	<b>0.000</b>	<b>.6686179</b>	<b>1.694441</b>
PovStat#c.timew1w3	Below	<b>.0859482</b>	<b>.0520367</b>	<b>1.65</b>	<b>0.099</b>	<b>-.0160418</b>	<b>.1879382</b>
	timew1w3	0 (omitted)					
invmillsmms		<b>-.017398</b>	<b>.0082401</b>	<b>-2.11</b>	<b>0.035</b>	<b>-.0335482</b>	<b>-.0012477</b>
c.timew1w3#c.invmillsmms		<b>-.0002484</b>	<b>.0015505</b>	<b>-0.16</b>	<b>0.873</b>	<b>-.0032873</b>	<b>.0027905</b>
	timew1w3	0 (omitted)					
w1HCYcenter2p15		<b>.4337187</b>	<b>.4042619</b>	<b>1.07</b>	<b>0.283</b>	<b>-.3586202</b>	<b>1.226058</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.1401118</b>	<b>.0812756</b>	<b>1.72</b>	<b>0.085</b>	<b>-.0191854</b>	<b>.2994091</b>
	_cons	<b>5.805817</b>	<b>.2337114</b>	<b>24.84</b>	<b>0.000</b>	<b>5.347751</b>	<b>6.263883</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	<b>.6899084</b>	<b>.0575933</b>	<b>.5857785</b>
sd(_cons)	<b>4.273139</b>	<b>.1315132</b>	<b>4.022999</b>
corr(timew1w3,_cons)	<b>-.4222259</b>	<b>.0351892</b>	<b>-.4886844</b>
sd(Residual)	<b>1.879271</b>	<b>.2058212</b>	<b>1.516227</b>
			<b>2.329242</b>

24 .  
25 .  
26 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4eobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Group variable: <b>HNDID</b>	Number of groups = <b>1,418</b>
	Obs per group:
	min = <b>1</b>
	avg = <b>1.8</b>
	max = <b>2</b>
	Average RVI = <b>0.0000</b>
	Largest FMI = <b>0.0000</b>

DF adjustment: **Large sample**

<b>DF:</b>	min = <b>4.14e+56</b>
	avg = <b>2.20e+60</b>
	max = <b>.</b>

Model F test: **Equal FMI**

F( <b>13</b> , <b>2.4e+63</b> )	= <b>13.52</b>
Prob > F	= <b>0.0000</b>

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0471646</b>	<b>.0247116</b>	<b>-1.91</b>	<b>0.056</b>	<b>-.0955984</b> <b>.0012691</b>
w1Agecent48	<b>-.0211556</b>	<b>.0064882</b>	<b>-3.26</b>	<b>0.001</b>	<b>-.0338723</b> <b>-.0084389</b>
c.timew1w3#c.w1Agecent48	<b>-.0026893</b>	<b>.0014182</b>	<b>-1.90</b>	<b>0.058</b>	<b>-.005469</b> <b>.0000904</b>
timew1w3	0	(omitted)			
Sex					
Men	<b>-.1790787</b>	<b>.1237423</b>	<b>-1.45</b>	<b>0.148</b>	<b>-.4216092</b> <b>.0634518</b>
Sex#c.timew1w3					
Men	<b>-.0084836</b>	<b>.0268487</b>	<b>-0.32</b>	<b>0.752</b>	<b>-.0611061</b> <b>.0441389</b>
timew1w3	0	(omitted)			
Race					
AfrAm	<b>-.9345619</b>	<b>.1186714</b>	<b>-7.88</b>	<b>0.000</b>	<b>-1.167153</b> <b>-.7019703</b>
Race#c.timew1w3					
AfrAm	<b>.0234946</b>	<b>.0259706</b>	<b>0.90</b>	<b>0.366</b>	<b>-.0274068</b> <b>.074396</b>
timew1w3	0	(omitted)			
PovStat					
Below	<b>-.4474566</b>	<b>.1219759</b>	<b>-3.67</b>	<b>0.000</b>	<b>-.686525</b> <b>-.2083883</b>
PovStat#c.timew1w3					
Below	<b>-.0539658</b>	<b>.0260613</b>	<b>-2.07</b>	<b>0.038</b>	<b>-.105045</b> <b>-.0028867</b>
timew1w3	0	(omitted)			
invmillsmms	<b>.0020051</b>	<b>.0037074</b>	<b>0.54</b>	<b>0.589</b>	<b>-.0052613</b> <b>.0092714</b>
c.timew1w3#c.invmillsmms	<b>-.0005598</b>	<b>.0007303</b>	<b>-0.77</b>	<b>0.443</b>	<b>-.0019911</b> <b>.0008715</b>
timew1w3	0	(omitted)			
w1HCYcenter2p15	<b>-.255424</b>	<b>.1946844</b>	<b>-1.31</b>	<b>0.190</b>	<b>-.6369984</b> <b>.1261504</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0095577</b>	<b>.0426271</b>	<b>-0.22</b>	<b>0.823</b>	<b>-.0931053</b> <b>.0739899</b>
_cons	<b>7.53972</b>	<b>.1097477</b>	<b>68.70</b>	<b>0.000</b>	<b>7.324619</b> <b>7.754822</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0970802</b>	<b>.1226144</b>	<b>.0081667</b>	<b>1.154029</b>
sd(_cons)	<b>1.535487</b>	<b>.1060803</b>	<b>1.341035</b>	<b>1.758134</b>
corr(timew1w3,_cons)	<b>.0685406</b>	<b>.4999123</b>	<b>-.723898</b>	<b>.7830021</b>
sd(Residual)	<b>1.384526</b>	<b>.1002004</b>	<b>1.20143</b>	<b>1.595526</b>

27 .  
 28 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4fobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 2,773
Group variable: HNDID	Number of groups = 1,446
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
	Average RVI = 0.0000
	Largest FMI = 0.0000
DF adjustment: Large sample	DF: min = 4.62e+60
	avg = 1.31e+67
	max = .
Model F test: Equal FMI	F( 13, 5.6e+63) = 12.82
	Prob > F = 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0718284	.049239	1.46	0.145	-.0246783 .1683351
w1Agecent48	-.0792617	.0154888	-5.12	0.000	-.1096193 -.0489042
c.timew1w3#c.w1Agecent48	-.0031524	.0028539	-1.10	0.269	-.0087459 .0024411
timew1w3	0 (omitted)				
Sex					
Men	1.105923	.2926928	3.78	0.000	.5322559 1.679591
Sex#c.timew1w3					
Men	-.0067427	.0537015	-0.13	0.900	-.1119958 .0985104
timew1w3	0 (omitted)				
Race					
AfrAm	-1.93583	.281946	-6.87	0.000	-2.488434 -1.383226
Race#c.timew1w3					
AfrAm	-.0424072	.0521914	-0.81	0.416	-.1447004 .059886
timew1w3	0 (omitted)				
PovStat					
Below	-1.449119	.2918287	-4.97	0.000	-2.021092 -.8771448
PovStat#c.timew1w3					
Below	.0178265	.0525565	0.34	0.734	-.0851823 .1208354
timew1w3	0 (omitted)				
invmillsmms	.0113655	.0093416	1.22	0.224	-.0069436 .0296747
c.timew1w3#c.invmillsmms	-.0012679	.0015806	-0.80	0.422	-.0043658 .0018301
timew1w3	0 (omitted)				
w1HCYcenter2p15	-.5070636	.4490826	-1.13	0.259	-1.387249 .3731221
c.timew1w3#c.w1HCYcenter2p15	-.0317509	.0824962	-0.38	0.700	-.1934404 .1299387

<u>_cons</u>	<b>20.19413</b>	.2595633	77.80	0.000	19.68539	20.70286
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.2615189	.1720817	.072012	.9497323
sd(_cons)	4.321449	.1626672	4.014104	4.652326
corr(timew1w3,_cons)	-.1686451	.1273165	-.4029053	.0863533
sd(Residual)	<b>2.922811</b>	.1741866	2.600596	3.284948

29 .

30 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4gobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,717
Group variable: HNDID	Number of groups	= 1,443
	Obs per group:	
	min	= 1
	avg	= 1.9
	max	= 2
	Average RVI	= .
	Largest FMI	= .
DF adjustment: Large sample	DF: min	= 0.00
	avg	= .
	max	= .
Model F test: Equal FMI	F( 13, 1.3e+64)	= 9.09
	Prob > F	= 0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0257934	.0194658	1.33	0.185	-.012359	.0639457
w1Agecent48	-.0153861	.0062492	-2.46	0.014	-.0276342	-.003138
c.timew1w3##c.w1Agecent48	-.0032598	.0011225	-2.90	0.004	-.0054598	-.0010598
timew1w3	0 (omitted)					
Sex						
Men	.2601484	.1183	2.20	0.028	.0282847	.4920122
Sex#c.timew1w3						
Men	-.0325481	.0212507	-1.53	0.126	-.0741987	.0091024
timew1w3	0 (omitted)					
Race						
AfrAm	-.6870208	.113553	-6.05	0.000	-.9095806	-.4644611
Race#c.timew1w3						
AfrAm	-.0168525	.0205484	-0.82	0.412	-.0571266	.0234217
timew1w3	0 (omitted)					
PovStat						
Below	-.469271	.1174618	-4.00	0.000	-.699492	-.2390501

PovStat#c.timew1w3 Below	<b>- .0245281</b>	<b>.0206734</b>	<b>-1.19</b>	<b>0.235</b>	<b>-.0650473</b>	<b>.0159911</b>
timew1w3 invmillsmmms	<b>0 (omitted)</b>	<b>.0060314</b>	<b>.0037454</b>	<b>1.61</b>	<b>0.107</b>	<b>-.0013095</b>
c.timew1w3#c.invmillsmmms	<b>-.0005313</b>	<b>.0006128</b>	<b>-0.87</b>	<b>0.386</b>	<b>-.0017324</b>	<b>.0006698</b>
timew1w3 w1HCYcenter2p15	<b>0 (omitted)</b>	<b>-.2835616</b>	<b>.1822763</b>	<b>-1.56</b>	<b>0.120</b>	<b>-.6408167</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0272588</b>	<b>.0332195</b>	<b>-0.82</b>	<b>0.412</b>	<b>-.0923677</b>	<b>.0378502</b>
_cons	<b>7.791497</b>	<b>.1050717</b>	<b>74.15</b>	<b>0.000</b>	<b>7.58556</b>	<b>7.997434</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	<b>.0149947</b>	.	.	.	.
sd(_cons)	<b>1.736706</b>	.	.	.	.
corr(timew1w3,_cons)	<b>.9999951</b>	.	.	.	.
sd(Residual)	<b>1.190303</b>	.	.	.	.

```

31 .
32 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4hobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,704
Number of groups = 1,444
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI =
Largest FMI =
DF: min = 0.00
avg =
max =
F( 13, 1.2e+67) = 14.04
Prob > F = 0.0000

```

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3 w1Agecent48	<b>.007063</b>	<b>.0202507</b>	<b>0.35</b>	<b>0.727</b>	<b>-.0326275</b>
	<b>-.0212001</b>	<b>.0061756</b>	<b>-3.43</b>	<b>0.001</b>	<b>-.0333039</b>
c.timew1w3#c.w1Agecent48	<b>-.001264</b>	<b>.0011681</b>	<b>-1.08</b>	<b>0.279</b>	<b>-.0035535</b>
timew1w3	<b>0 (omitted)</b>				
Sex Men	<b>-.0173938</b>	<b>.1171132</b>	<b>-0.15</b>	<b>0.882</b>	<b>-.2469314</b>
Sex#c.timew1w3					<b>.2121438</b>

	Men	<b>-.0168663</b>	<b>.0221515</b>	<b>-0.76</b>	<b>0.446</b>	<b>-.0602825</b>	<b>.0265498</b>
	timew1w3	<b>0</b>	(omitted)				
Race							
AfrAm		<b>-1.016453</b>	<b>.1123254</b>	<b>-9.05</b>	<b>0.000</b>	<b>-1.236606</b>	<b>-.7962987</b>
Race#c.timew1w3							
AfrAm		<b>-.0167213</b>	<b>.0214024</b>	<b>-0.78</b>	<b>0.435</b>	<b>-.0586692</b>	<b>.0252266</b>
timew1w3		<b>0</b>	(omitted)				
PovStat							
Below		<b>-.5591346</b>	<b>.1163011</b>	<b>-4.81</b>	<b>0.000</b>	<b>-.7870806</b>	<b>-.3311886</b>
PovStat#c.timew1w3							
Below		<b>.0014738</b>	<b>.0215239</b>	<b>0.07</b>	<b>0.945</b>	<b>-.0407123</b>	<b>.0436599</b>
timew1w3		<b>0</b>	(omitted)				
invmillsmms		<b>.0061608</b>	<b>.0037016</b>	<b>1.66</b>	<b>0.096</b>	<b>-.0010942</b>	<b>.0134158</b>
c.timew1w3#c.invmillsmms		<b>-.0004745</b>	<b>.0006377</b>	<b>-0.74</b>	<b>0.457</b>	<b>-.0017243</b>	<b>.0007754</b>
timew1w3		<b>0</b>	(omitted)				
w1HCYcenter2p15		<b>-.3222137</b>	<b>.1802318</b>	<b>-1.79</b>	<b>0.074</b>	<b>-.6754614</b>	<b>.0310341</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0094914</b>	<b>.0345145</b>	<b>0.27</b>	<b>0.783</b>	<b>-.0581558</b>	<b>.0771385</b>
_cons		<b>6.447363</b>	<b>.1038007</b>	<b>62.11</b>	<b>0.000</b>	<b>6.243918</b>	<b>6.650809</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	<b>.0088673</b>	.	.	.	.
sd(_cons)	<b>1.665671</b>	.	.	.	.
corr(timew1w3,_cons)	<b>-.9999982</b>	.	.	.	.
sd(Residual)	<b>1.240423</b>	.	.	.	.

33 .

34 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4iobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,767
Group variable: HNDID	Number of groups	=	1,445
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
DF adjustment: Large sample	Average RVI	=	0.0000
	Largest FMI	=	0.0000
	DF:	min	= 1.31e+64
		avg	= 1.38e+64
		max	= .
Model F test: Equal FMI	F( 13, 3.0e+66)	=	6.52
	Prob > F	=	0.0000

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0207052</b>	.0155442	-1.33	0.183	-.0511713 .0097608
w1Agecent48	<b>-.0050176</b>	.0035144	-1.43	0.153	-.0119057 .0018705
c.timew1w3#c.w1Agecent48	<b>-.0014617</b>	.000902	-1.62	0.105	-.0032296 .0003063
timew1w3	0 (omitted)				
Sex Men	<b>.1151709</b>	.0664765	1.73	0.083	-.0151206 .2454625
Sex#c.timew1w3 Men	<b>.0111991</b>	.0169646	0.66	0.509	-.0220509 .0444492
timew1w3	0 (omitted)				
Race AfrAm	<b>-.3813002</b>	.063913	-5.97	0.000	-.5065673 -.256033
Race#c.timew1w3 AfrAm	<b>.0137424</b>	.0164541	0.84	0.404	-.0185071 .0459919
timew1w3	0 (omitted)				
PovStat Below	<b>-.079942</b>	.0664229	-1.20	0.229	-.2101284 .0502445
PovStat#c.timew1w3 Below	<b>-.0101849</b>	.0166201	-0.61	0.540	-.0427596 .0223898
timew1w3 invmillsmms	0 (omitted)				
	<b>.000276</b>	.0021342	0.13	0.897	-.003907 .004459
c.timew1w3#c.invmillsmms	<b>-.0001503</b>	.0004985	-0.30	0.763	-.0011274 .0008268
timew1w3 w1HCYcenter2p15	0 (omitted)				
	<b>-.1265657</b>	.102396	-1.24	0.216	-.3272583 .0741268
c.timew1w3#c.w1HCYcenter2p15	<b>-.0450788</b>	.0263056	-1.71	0.087	-.0966368 .0064792
_cons	<b>9.013582</b>	.0588432	153.18	0.000	8.898252 9.128913

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0665116</b>	.0566986	.0125107	.3536014
sd(_cons)	<b>.7113905</b>	.0677574	.5902475	.8573969
corr(timew1w3,_cons)	<b>-.2008148</b>	.2469491	-.6093781	.2920159
sd(Residual)	<b>.9524705</b>	.046153	.866175	1.047363

35 .  
 36 . mi estimate: mixed LnTrailsAttestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Pc  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4jobs==1 || HNDID: timew1w3

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 2,701
Group variable: HNDID	Number of groups = 1,428
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
	Average RVI = 0.0000
	Largest FMI = 0.0000
DF adjustment: Large sample	DF: min = 9.86e+58
	avg = 9.86e+58
	max = .
Model F test: Equal FMI	F( 13, .) = 28.48
	Prob > F = 0.0000

LnTrailsAttestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0007784	.0040718	0.19	0.848	-.0072022 .008759
w1Agecent48	.010312	.0010671	9.66	0.000	.0082205 .0124035
c.timew1w3#c.w1Agecent48	.0007515	.0002374	3.17	0.002	.0002861 .0012168
timew1w3	0 (omitted)				
Sex					
Men	.0855047	.0202468	4.22	0.000	.0458217 .1251877
Sex#c.timew1w3					
Men	.0019723	.0044888	0.44	0.660	-.0068255 .0107702
timew1w3	0 (omitted)				
Race					
AfrAm	.1814656	.0193744	9.37	0.000	.1434925 .2194387
Race#c.timew1w3					
AfrAm	.0006818	.0043237	0.16	0.875	-.0077926 .0091562
timew1w3	0 (omitted)				
PovStat					
Below	.0926278	.0201766	4.59	0.000	.0530823 .1321732
PovStat#c.timew1w3					
Below	.0044687	.0043833	1.02	0.308	-.0041224 .0130599
timew1w3	0 (omitted)				
invmillsmms	.0003866	.0006352	0.61	0.543	-.0008584 .0016317
c.timew1w3#c.invmillsmms	-.0001492	.0001286	-1.16	0.246	-.0004012 .0001028
timew1w3	0 (omitted)				
w1HCYcenter2p15	.1009537	.0311174	3.24	0.001	.0399647 .1619426
c.timew1w3#c.w1HCYcenter2p15	-.0079233	.0070181	-1.13	0.259	-.0216785 .0058318

<u>_cons</u>	3.280306	.0178024	184.26	0.000	3.245414	3.315198
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0255184	.0054999	.0167263	.0389322
sd(_cons)	.2660644	.0078519	.2511116	.2819076
sd(Residual)	.2354154	.0078306	.2205573	.2512744

37 .

38 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4kobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

	Imputations	=	5
	Number of obs	=	2,609
Group variable: HNDID	Number of groups	=	1,414
	Obs per group:		
	min	=	1
	avg	=	1.8
	max	=	2
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF:	min	= 2.50e+59
		avg	= 2.70e+64
		max	= .
Model F test: Equal FMI	F( 13, 2.6e+62)	=	32.96
	Prob > F	=	0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0024052	.0060871	0.40	0.693	-.0095253	.0143356
w1Agecent48	.0169269	.001871	9.05	0.000	.0132598	.0205939
c.timew1w3##c.w1Agecent48	.0005518	.0003585	1.54	0.124	-.0001509	.0012545
timew1w3	0	(omitted)				
Sex						
Men	.0492106	.0355038	1.39	0.166	-.0203756	.1187967
Sex#c.timew1w3						
Men	-.003186	.0068012	-0.47	0.639	-.016516	.0101441
timew1w3	0	(omitted)				
Race						
AfrAm	.4026656	.0339839	11.85	0.000	.3360585	.4692727
Race#c.timew1w3						
AfrAm	.0018631	.0065335	0.29	0.776	-.0109423	.0146684
timew1w3	0	(omitted)				
PovStat						
Below	.2352018	.0353711	6.65	0.000	.1658757	.304528

PovStat#c.timew1w3						
Below	.0055117	.0066991	0.82	0.411	-.0076184	.0186418
timew1w3	0 (omitted)					
invmillsmms	-.0024439	.0011118	-2.20	0.028	-.004623	-.0002647
c.timew1w3#c.invmillsmms	-.0005505	.000491	-1.12	0.262	-.001513	.0004119
timew1w3	0 (omitted)					
w1HCYcenter2p15	.116053	.0546244	2.12	0.034	.0089912	.2231149
c.timew1w3#c.w1HCYcenter2p15	.0094975	.0104307	0.91	0.363	-.0109464	.0299413
_cons	4.237071	.0312569	135.56	0.000	4.175808	4.298333

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.0686248	.011131	.0499362	.0943075
sd(_cons)	.5518492	.0195993	.5147417	.5916317
corr(timew1w3,_cons)	-.4326964	.0452152	-.5170053	-.3400731
sd(Residual)	.2862192	.0277236	.2367283	.3460566

```

39 .
40 .
41 . save, replace
  file finaldata_imputed_FINAL.dta saved

42 .
43 .
44 .
45 . //MODEL 2: MODEL 1 + BODY MASS INDEX///
46 .
47 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> > c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression
Imputations      =          5
Number of obs     =      2,653

Group variable: HNDID
Number of groups  =      1,430
Obs per group:
  min =           1
  avg =          1.9
  max =           2
  Average RVI   =
  Largest FMI   =
DF adjustment: Large sample
DF:    min      =       0.00
      avg      =
      max      =
Model F test: Equal FMI
F( 27,56695.4) =      38.33
Prob > F        = 0.0000

```

	MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	.0898836	.0483417	1.86	0.063	-.0048887 .1846558
w1Agecent48		-.0171017	.0052005	-3.29	0.001	-.0272955 -.0069079
c.timew1w3#c.w1Agecent48		-.0031054	.0011871	-2.62	0.009	-.0054322 -.0007785
	timew1w3	0	(omitted)			
	Sex					
Men		-.3421399	.0973505	-3.51	0.000	-.5329434 -.1513363
	Sex#c.timew1w3					
Men		.0240732	.0223489	1.08	0.281	-.0197305 .0678769
	timew1w3	0	(omitted)			
	Race					
AfrAm		-.2200446	.0967961	-2.27	0.023	-.4097706 -.0303186
	Race#c.timew1w3					
AfrAm		-.0205685	.0224593	-0.92	0.360	-.0645895 .0234524
	timew1w3	0	(omitted)			
	PovStat					
Below		-.0636342	.0991786	-0.64	0.521	-.2580209 .1307526
	PovStat#c.timew1w3					
Below		-.0283968	.0223872	-1.27	0.205	-.0722749 .0154813
	timew1w3	0	(omitted)			
	w1edubr					
2		.5138468	.1985017	2.59	0.010	.1247365 .9029571
3		.7058588	.2166821	3.26	0.001	.2810329 1.130685
	w1edubr#c.timew1w3					
2		-.0638014	.0460177	-1.39	0.166	-.154009 .0264061
3		-.0647296	.0499927	-1.29	0.195	-.1627549 .0332956
	timew1w3	0	(omitted)			
w1WRATtotalcent42		.1461645	.0067465	21.67	0.000	.1329405 .1593884
c.timew1w3#c.w1WRATtotalcent42		-.0077842	.0016832	-4.62	0.000	-.011084 -.0044844
	timew1w3	0	(omitted)			
1.w1smoke		.0359932	.1052148	0.34	0.732	-.1704546 .2424409
	w1smoke#c.timew1w3					
1		-.0536816	.0241723	-2.22	0.026	-.1010591 -.0063041
	timew1w3	0	(omitted)			
1.w1currdrugs		-.1004999	.1345552	-0.75	0.456	-.3664076 .1654078
	w1currdrugs#c.timew1w3					
1		.0197116	.0295131	0.67	0.504	-.0382258 .0776489
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		-.0040276	.0048089	-0.84	0.406	-.0136665 .0056113
c.timew1w3#c.w1hei2010_total_scorecent43		.0004996	.0011738	0.43	0.672	-.0018532 .0028524

	timew1w3	0	(omitted)				
	w1BMIcon30	<b>- .005875</b>	<b>.0063961</b>	<b>-0.92</b>	<b>0.358</b>	<b>-.0184116</b>	<b>.0066617</b>
c.timew1w3#c.w1BMIcon30		<b>- .0002235</b>	<b>.0014406</b>	<b>-0.16</b>	<b>0.877</b>	<b>-.0030471</b>	<b>.0026002</b>
	timew1w3	0	(omitted)				
	invmillsmms	<b>.0077974</b>	<b>.0029766</b>	<b>2.62</b>	<b>0.009</b>	<b>.0019635</b>	<b>.0136314</b>
c.timew1w3#c.invmillsmms		<b>- .0018841</b>	<b>.000617</b>	<b>-3.05</b>	<b>0.002</b>	<b>-.0030935</b>	<b>-.0006748</b>
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	<b>- .005067</b>	<b>.1479121</b>	<b>-0.03</b>	<b>0.973</b>	<b>-.2949722</b>	<b>.2848382</b>
c.timew1w3#c.w1HCYcenter2p15		<b>- .0057337</b>	<b>.0343637</b>	<b>-0.17</b>	<b>0.867</b>	<b>-.0730859</b>	<b>.0616184</b>
	_cons	<b>27.4574</b>	<b>.206189</b>	<b>133.17</b>	<b>0.000</b>	<b>27.05323</b>	<b>27.86157</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0941</b>	.	.
sd(_cons)	<b>1.204609</b>	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.
sd(Residual)	<b>1.184706</b>	.	.

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50 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon30 > c.timew1w3##c.w1HCYcenter2p15 //> if sample4aobs==1 || HNDID: timew1w3

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,653

Group variable: HNDID

Number of groups = 1,430  
Obs per group:

min = 1  
avg = 1.9  
max = 2

Average RVI = 0.0380  
Largest FMI = 0.3255

DF adjustment: Large sample

DF: min = 45.51  
avg = 6.48e+08  
max = 2.01e+10

Model F test: Equal FMI

F( 27,58459.0) = 35.02  
Prob > F = 0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.3904763	.395162	0.99	0.323	-.3841029 1.165055
w1Agecent48	-.152397	.0380571	-4.00	0.000	-.226997 -.0777971
c.timew1w3#c.w1Agecent48	-.0251396	.0096966	-2.59	0.010	-.0441469 -.0061323
timew1w3	0	(omitted)			
Sex Men	-1.980958	.7115049	-2.78	0.005	-3.375484 -.5864332
Sex#c.timew1w3 Men	.1258011	.1827324	0.69	0.491	-.232356 .4839581
timew1w3	0	(omitted)			
Race AfrAm	-3.326527	.7061923	-4.71	0.000	-4.710675 -1.94238
Race#c.timew1w3 AfrAm	.0102853	.1836374	0.06	0.955	-.3496438 .3702144
timew1w3	0	(omitted)			
PovStat Below	-.6541019	.7256419	-0.90	0.367	-2.076339 .7681351
PovStat#c.timew1w3 Below	-.2699857	.1828576	-1.48	0.140	-.6283812 .0884098
timew1w3	0	(omitted)			
w1edubr 2	3.932517	1.44581	2.72	0.007	1.098625 6.766409
w1edubr 3	6.134165	1.57952	3.88	0.000	3.037724 9.230606
w1edubr#c.timew1w3 2	-.5301424	.376802	-1.41	0.159	-1.268716 .2084316
w1edubr#c.timew1w3 3	-.4199701	.4077056	-1.03	0.303	-1.219237 .3792969
timew1w3	0	(omitted)			
w1WRATtotalcent42	.9557816	.0492872	19.39	0.000	.859174 1.052389
c.timew1w3#c.w1WRATtotalcent42	-.0317822	.0139434	-2.28	0.023	-.0591176 -.0044468
timew1w3	0	(omitted)			
1.w1smoke	-.4008689	.769471	-0.52	0.602	-1.910507 1.108769
w1smoke#c.timew1w3 1	-.2994046	.1970616	-1.52	0.129	-.6856386 .0868293
timew1w3	0	(omitted)			
1.w1currdrugs	-.1662115	.9747758	-0.17	0.865	-2.089276 1.756853
w1currdrugs#c.timew1w3 1	.0769046	.2458911	0.31	0.755	-.4068443 .5606535
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	-.0169267	.0344547	-0.49	0.625	-.0855627 .0517094
c.timew1w3#c.w1hei2010_total_scorecent43	.004771	.0097693	0.49	0.628	-.0148993 .0244413

timew1w3	0	(omitted)					
w1BMIcon30	<b>-.0500135</b>	<b>.0464967</b>	<b>-1.08</b>	<b>0.282</b>	<b>-.1411453</b>	<b>.0411183</b>	
c.timew1w3#c.w1BMIcon30	<b>-.00219</b>	<b>.0117717</b>	<b>-0.19</b>	<b>0.852</b>	<b>-.0252631</b>	<b>.0208831</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>.0437886</b>	<b>.0217745</b>	<b>2.01</b>	<b>0.044</b>	<b>.0011113</b>	<b>.0864658</b>	
c.timew1w3#c.invmillsmms	<b>-.0100835</b>	<b>.0049679</b>	<b>-2.03</b>	<b>0.042</b>	<b>-.0198205</b>	<b>-.0003466</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>.464052</b>	<b>1.081003</b>	<b>0.43</b>	<b>0.668</b>	<b>-1.654694</b>	<b>2.582798</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>-.0139059</b>	<b>.2814754</b>	<b>-0.05</b>	<b>0.961</b>	<b>-.5655903</b>	<b>.5377785</b>	
_cons	<b>75.2024</b>	<b>1.508522</b>	<b>49.85</b>	<b>0.000</b>	<b>72.24538</b>	<b>78.15943</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.0002797</b>	<b>.016879</b>	<b>1.18e-55</b>	<b>6.64e+47</b>
sd(_cons)	<b>7.411449</b>	<b>.3178126</b>	<b>6.814002</b>	<b>8.061279</b>
sd(Residual)	<b>9.893153</b>	<b>.2023975</b>	<b>9.504308</b>	<b>10.29791</b>

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54 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon30
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4bobs==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,464
Number of groups = 1,420
Obs per group:
    min = 1
    avg = 1.7
    max = 2
Average RVI = 0.0402
Largest FMI = 0.3880
DF: min = 32.40
        avg = 593,979.99
        max = 4784056.17
F( 27,53020.4) = 57.68
Prob > F = 0.0000

```

	cvtca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-1.145106</b>	.1537415	<b>-7.45</b>	<b>0.000</b>	<b>-1.446441</b> <b>-.8437709</b>
w1Agecent48		<b>-.1584983</b>	.018867	<b>-8.40</b>	<b>0.000</b>	<b>-.1954782</b> <b>-.1215184</b>
c.timew1w3#c.w1Agecent48		<b>-.0057011</b>	.0040705	<b>-1.40</b>	<b>0.161</b>	<b>-.0136792</b> <b>.0022769</b>
	timew1w3	0	(omitted)			
	Sex					
Men		<b>-2.252939</b>	.3550417	<b>-6.35</b>	<b>0.000</b>	<b>-2.948808</b> <b>-1.55707</b>
	Sex#c.timew1w3					
Men		<b>-.1780454</b>	.0769267	<b>-2.31</b>	<b>0.021</b>	<b>-.3288191</b> <b>-.0272717</b>
	timew1w3	0	(omitted)			
	Race					
AfrAm		<b>-1.919799</b>	.3539938	<b>-5.42</b>	<b>0.000</b>	<b>-2.613678</b> <b>-1.22592</b>
	Race#c.timew1w3					
AfrAm		<b>.0838215</b>	.0771596	<b>1.09</b>	<b>0.277</b>	<b>-.0674369</b> <b>.2350799</b>
	timew1w3	0	(omitted)			
	PovStat					
Below		<b>-.3554355</b>	.3598412	<b>-0.99</b>	<b>0.323</b>	<b>-1.060722</b> <b>.3498514</b>
	PovStat#c.timew1w3					
Below		<b>-.0501475</b>	.0759649	<b>-0.66</b>	<b>0.509</b>	<b>-.1990383</b> <b>.0987433</b>
	timew1w3	0	(omitted)			
	w1edubr					
2		<b>-.3226452</b>	.7059909	<b>-0.46</b>	<b>0.648</b>	<b>-1.707142</b> <b>1.061851</b>
3		<b>1.907716</b>	.7678555	<b>2.48</b>	<b>0.013</b>	<b>.4020742</b> <b>3.413357</b>
	w1edubr#c.timew1w3					
2		<b>.0872412</b>	.1449256	<b>0.60</b>	<b>0.547</b>	<b>-.1968328</b> <b>.3713151</b>
3		<b>-.0554132</b>	.1593191	<b>-0.35</b>	<b>0.728</b>	<b>-.3676857</b> <b>.2568593</b>
	timew1w3	0	(omitted)			
	w1WRATtotalcent42					
		<b>.2373867</b>	.0241596	<b>9.83</b>	<b>0.000</b>	<b>.1900337</b> <b>.2847396</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0047101</b>	.0051502	<b>-0.91</b>	<b>0.360</b>	<b>-.0148048</b> <b>.0053845</b>
	timew1w3	0	(omitted)			
1.w1smoke		<b>-.088511</b>	.3826127	<b>-0.23</b>	<b>0.817</b>	<b>-.8416291</b> <b>.6646072</b>
	w1smoke#c.timew1w3					
1		<b>-.0344317</b>	.0885651	<b>-0.39</b>	<b>0.698</b>	<b>-.2092162</b> <b>.1403529</b>
	timew1w3	0	(omitted)			
1.w1currdrugs		<b>-.6935719</b>	.4420857	<b>-1.57</b>	<b>0.117</b>	<b>-1.560421</b> <b>.1732772</b>
	w1currdrugs#c.timew1w3					
1		<b>.112389</b>	.0988426	<b>1.14</b>	<b>0.256</b>	<b>-.0815446</b> <b>.3063226</b>
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		<b>.027338</b>	.018298	<b>1.49</b>	<b>0.145</b>	<b>-.0099158</b> <b>.0645918</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0027383</b>	.0038849	<b>-0.70</b>	<b>0.482</b>	<b>-.0104294</b> <b>.0049527</b>

timew1w3	0	(omitted)					
w1BMICent30	.003587	.0231482	0.15	0.877	-.041784	.048958	
c.timew1w3#c.w1BMICent30	-.0036344	.0049118	-0.74	0.459	-.0132614	.0059926	
timew1w3	0	(omitted)					
invmillsmms	.0161666	.0103858	1.56	0.120	-.0041892	.0365224	
c.timew1w3#c.invmillsmms	-.0003412	.0020014	-0.17	0.865	-.004264	.0035816	
timew1w3	0	(omitted)					
w1HCYcenter2p15	1.159265	.5334066	2.17	0.030	.1138065	2.204724	
c.timew1w3#c.w1HCYcenter2p15	-.0969277	.1154334	-0.84	0.401	-.3231732	.1293178	
_cons	26.4813	.7326969	36.14	0.000	25.04502	27.91758	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.3516225	.1021007	.1990211	.6212325
sd(_cons)	4.417247	.1302293	4.169236	4.680011
sd(Residual)	3.67969	.1309827	3.431717	3.945581

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58 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4cobs==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,339
Number of groups = 1,391
Obs per group:
    min = 1
    avg = 1.7
    max = 2
Average RVI = 0.0719
Largest FMI = 0.3044
DF: min = 51.75
        avg = 410,881.72
        max = 6187289.81
F( 27,17422.8) = 35.75
Prob > F = 0.0000

```

	CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-.3328322</b>	<b>.0742419</b>	<b>-4.48</b>	<b>0.000</b>	<b>-.4783481</b> <b>-.1873163</b>
w1Agecent48		<b>-.0838695</b>	<b>.0090633</b>	<b>-9.25</b>	<b>0.000</b>	<b>-.1016335</b> <b>-.0661055</b>
c.timew1w3#c.w1Agecent48		<b>-.0035088</b>	<b>.0020132</b>	<b>-1.74</b>	<b>0.081</b>	<b>-.007455</b> <b>.0004375</b>
	timew1w3	0	(omitted)			
	Sex					
Men		<b>-.9848683</b>	<b>.1705537</b>	<b>-5.77</b>	<b>0.000</b>	<b>-1.319148</b> <b>-.6505886</b>
	Sex#c.timew1w3					
Men		<b>-.0523687</b>	<b>.0373978</b>	<b>-1.40</b>	<b>0.161</b>	<b>-.1256676</b> <b>.0209302</b>
	timew1w3	0	(omitted)			
	Race					
AfrAm		<b>-1.193256</b>	<b>.1697333</b>	<b>-7.03</b>	<b>0.000</b>	<b>-1.525972</b> <b>-.8605404</b>
	Race#c.timew1w3					
AfrAm		<b>.0198555</b>	<b>.0373293</b>	<b>0.53</b>	<b>0.595</b>	<b>-.0533133</b> <b>.0930242</b>
	timew1w3	0	(omitted)			
	PovStat					
Below		<b>-.0443504</b>	<b>.1735575</b>	<b>-0.26</b>	<b>0.798</b>	<b>-.3845446</b> <b>.2958438</b>
	PovStat#c.timew1w3					
Below		<b>-.0381058</b>	<b>.0368971</b>	<b>-1.03</b>	<b>0.302</b>	<b>-.1104234</b> <b>.0342119</b>
	timew1w3	0	(omitted)			
	w1edubr					
2		<b>-.1301643</b>	<b>.3387502</b>	<b>-0.38</b>	<b>0.701</b>	<b>-.7943156</b> <b>.533987</b>
3		<b>.6087385</b>	<b>.3674193</b>	<b>1.66</b>	<b>0.098</b>	<b>-.1114743</b> <b>1.328951</b>
	w1edubr#c.timew1w3					
2		<b>-.0058994</b>	<b>.06998</b>	<b>-0.08</b>	<b>0.933</b>	<b>-.1430723</b> <b>.1312735</b>
3		<b>-.0009083</b>	<b>.0770739</b>	<b>-0.01</b>	<b>0.991</b>	<b>-.1519762</b> <b>.1501595</b>
	timew1w3	0	(omitted)			
	w1WRATtotalcent42					
		<b>.0996733</b>	<b>.0117071</b>	<b>8.51</b>	<b>0.000</b>	<b>.0767248</b> <b>.1226217</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0037435</b>	<b>.0024913</b>	<b>-1.50</b>	<b>0.133</b>	<b>-.0086264</b> <b>.0011395</b>
	timew1w3	0	(omitted)			
1.w1smoke		<b>-.0247177</b>	<b>.197299</b>	<b>-0.13</b>	<b>0.901</b>	<b>-.4172742</b> <b>.3678388</b>
	w1smoke#c.timew1w3					
1		<b>-.0232664</b>	<b>.0459041</b>	<b>-0.51</b>	<b>0.614</b>	<b>-.1149226</b> <b>.0683898</b>
	timew1w3	0	(omitted)			
1.w1currdrugs		<b>-.289554</b>	<b>.2287107</b>	<b>-1.27</b>	<b>0.207</b>	<b>-.740999</b> <b>.1618911</b>
	w1currdrugs#c.timew1w3					
1		<b>-.0209757</b>	<b>.0516704</b>	<b>-0.41</b>	<b>0.686</b>	<b>-.1233395</b> <b>.0813882</b>
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		<b>.0078721</b>	<b>.0084695</b>	<b>0.93</b>	<b>0.357</b>	<b>-.0091253</b> <b>.0248695</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0000973</b>	<b>.0019823</b>	<b>-0.05</b>	<b>0.961</b>	<b>-.0040515</b> <b>.003857</b>

timew1w3	0	(omitted)					
w1BMICent30	.0228426	.0111512	2.05	0.041	.0009852	.0446999	
c.timew1w3#c.w1BMICent30	-.0024223	.0024178	-1.00	0.316	-.0071616	.0023171	
timew1w3	0	(omitted)					
invmillsmms	.0073423	.0049286	1.49	0.136	-.0023176	.0170021	
c.timew1w3#c.invmillsmms	-.0004348	.0009437	-0.46	0.645	-.0022845	.0014149	
timew1w3	0	(omitted)					
w1HCYcenter2p15	.5351939	.2567407	2.08	0.037	.0319891	1.038399	
c.timew1w3#c.w1HCYcenter2p15	-.0055781	.0563874	-0.10	0.921	-.1160958	.1049396	
_cons	8.34694	.3532196	23.63	0.000	7.654553	9.039328	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0420939	.4760634	9.94e-12	1.78e+08
sd(_cons)	2.013782	.0635538	1.892992	2.14228
sd(Residual)	1.818256	.0618343	1.701014	1.94358

```

59 .
60 .
61 .
62 . mi estimate: mixed BVRTot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,751
Number of groups = 1,443
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI = 0.0375
Largest FMI = 0.2890
DF: min = 57.15
        avg = 2927645.39
        max = 6.24e+07
F( 27,57230.9) = 31.18
Prob > F = 0.0000

```

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.4045758	.1123924	3.60	0.000	.1842889 .6248626
w1Agecent48	.1240207	.0136027	9.12	0.000	.0973582 .1506831
c.timew1w3#c.w1Agecent48	.0073381	.0028923	2.54	0.011	.001669 .0130072
timew1w3	0 (omitted)				
Sex Men	-1.109659	.2556244	-4.34	0.000	-1.610677 -.6086414
Sex#c.timew1w3 Men	.060068	.0539528	1.11	0.266	-.0456779 .1658139
timew1w3	0 (omitted)				
Race AfrAm	.5077687	.2514405	2.02	0.043	.0149527 1.000585
Race#c.timew1w3 AfrAm	.1411246	.0537727	2.62	0.009	.0357305 .2465187
timew1w3	0 (omitted)				
PovStat Below	.3552797	.2604562	1.36	0.173	-.1552098 .8657693
PovStat#c.timew1w3 Below	.0533834	.0543757	0.98	0.326	-.0531911 .1599579
timew1w3	0 (omitted)				
w1edubr 2	-.7012472	.5169904	-1.36	0.175	-1.714696 .3122013
3	-1.607913	.5658165	-2.84	0.005	-2.717326 -.4984996
w1edubr#c.timew1w3 2	-.1452305	.1072211	-1.35	0.176	-.3553832 .0649223
3	-.1195982	.1168636	-1.02	0.306	-.3486489 .1094525
timew1w3	0 (omitted)				
w1WRATtotalcent42	-.1571815	.017718	-8.87	0.000	-.1919184 -.1224446
c.timew1w3#c.w1WRATtotalcent42	-.0045142	.0037031	-1.22	0.223	-.0117723 .002744
timew1w3	0 (omitted)				
1.w1smoke	.3883574	.2785293	1.39	0.164	-.15964 .9363549
w1smoke#c.timew1w3 1	-.0368668	.0589637	-0.63	0.532	-.1524423 .0787087
timew1w3	0 (omitted)				
1.w1currdrugs	-.1551745	.3726456	-0.42	0.679	-.9013422 .5909931
w1currdrugs#c.timew1w3 1	.1057391	.0722696	1.46	0.144	-.0360807 .2475589
timew1w3	0 (omitted)				
w1hei2010_total_scorecent43	-.0071808	.0114071	-0.63	0.530	-.0297721 .0154105
c.timew1w3#c.w1hei2010_total_scorecent43	-.0032389	.0027067	-1.20	0.234	-.0086014 .0021237

timew1w3	0	(omitted)					
w1BMIcon30	.008832	.0166861	0.53	0.597	-.0238731	.0415371	
c.timew1w3#c.w1BMIcon30	-.0047439	.0035358	-1.34	0.180	-.0116741	.0021864	
timew1w3	0	(omitted)					
invmillsmms	-.0157552	.0078274	-2.01	0.044	-.0310967	-.0004137	
c.timew1w3#c.invmillsmms	.0000247	.0015477	0.02	0.987	-.0030088	.0030582	
timew1w3	0	(omitted)					
w1HCYcenter2p15	.0307695	.3862633	0.08	0.937	-.7262948	.7878337	
c.timew1w3#c.w1HCYcenter2p15	.1203546	.0814829	1.48	0.140	-.0393489	.2800582	
_cons	7.43387	.5397577	13.77	0.000	6.375702	8.492038	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.6696151	.059245	.563004 .7964143
sd(_cons)	3.966115	.1353095	3.709582 4.240387
corr(timew1w3,_cons)	-.4730359	.0337448	-.5364646 -.404293
sd(Residual)	1.943272	.2014357	1.58598 2.381055

```

63 .
64 .
65 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon30
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4eobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,486
Number of groups = 1,418
Obs per group:
    min = 1
    avg = 1.8
    max = 2
Average RVI = 0.0213
Largest FMI = 0.2033
DF: min = 111.80
      avg = 9.22e+07
      max = 2.90e+09
F( 27, 169122.3) = 14.75
Prob > F = 0.0000

```

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0282083</b>	<b>.0574244</b>	<b>-0.49</b>	<b>0.623</b>	<b>-.1407641</b> <b>.0843476</b>
w1Agecent48	<b>-.0147677</b>	<b>.0063725</b>	<b>-2.32</b>	<b>0.020</b>	<b>-.0272577</b> <b>-.0022776</b>
c.timew1w3#c.w1Agecent48	<b>-.0027185</b>	<b>.0014514</b>	<b>-1.87</b>	<b>0.061</b>	<b>-.0055631</b> <b>.0001261</b>
timew1w3	<b>0</b>	(omitted)			
Sex					
Men	<b>-.2586304</b>	<b>.121638</b>	<b>-2.13</b>	<b>0.033</b>	<b>-.4970366</b> <b>-.0202241</b>
Sex#c.timew1w3					
Men	<b>-.0069008</b>	<b>.0274857</b>	<b>-0.25</b>	<b>0.802</b>	<b>-.0607718</b> <b>.0469703</b>
timew1w3	<b>0</b>	(omitted)			
Race					
AfrAm	<b>-.6698442</b>	<b>.1198558</b>	<b>-5.59</b>	<b>0.000</b>	<b>-.9047578</b> <b>-.4349305</b>
Race#c.timew1w3					
AfrAm	<b>.0398986</b>	<b>.0273485</b>	<b>1.46</b>	<b>0.145</b>	<b>-.0137034</b> <b>.0935007</b>
timew1w3	<b>0</b>	(omitted)			
PovStat					
Below	<b>-.1529191</b>	<b>.1228222</b>	<b>-1.25</b>	<b>0.213</b>	<b>-.3936466</b> <b>.0878085</b>
PovStat#c.timew1w3					
Below	<b>-.042327</b>	<b>.0274552</b>	<b>-1.54</b>	<b>0.123</b>	<b>-.0961385</b> <b>.0114844</b>
timew1w3	<b>0</b>	(omitted)			
w1edubr					
2	<b>.3890758</b>	<b>.2452958</b>	<b>1.59</b>	<b>0.113</b>	<b>-.0917111</b> <b>.8698627</b>
3	<b>.5590285</b>	<b>.2664742</b>	<b>2.10</b>	<b>0.036</b>	<b>.0367083</b> <b>1.081349</b>
w1edubr#c.timew1w3					
2	<b>-.0137011</b>	<b>.0548786</b>	<b>-0.25</b>	<b>0.803</b>	<b>-.12127</b> <b>.0938678</b>
3	<b>-.0366688</b>	<b>.0594375</b>	<b>-0.62</b>	<b>0.537</b>	<b>-.153168</b> <b>.0798305</b>
timew1w3	<b>0</b>	(omitted)			
w1WRATtotalcent42	<b>.0734313</b>	<b>.0083386</b>	<b>8.81</b>	<b>0.000</b>	<b>.0570877</b> <b>.0897749</b>
c.timew1w3#c.w1WRATtotalcent42	<b>.003704</b>	<b>.001907</b>	<b>1.94</b>	<b>0.052</b>	<b>-.0000337</b> <b>.0074417</b>
timew1w3	<b>0</b>	(omitted)			
1.w1smoke	<b>-.1567274</b>	<b>.1363591</b>	<b>-1.15</b>	<b>0.252</b>	<b>-.4258912</b> <b>.1124364</b>
w1smoke#c.timew1w3					
1	<b>-.0245437</b>	<b>.0300556</b>	<b>-0.82</b>	<b>0.414</b>	<b>-.083469</b> <b>.0343815</b>
timew1w3	<b>0</b>	(omitted)			
1.w1currdrugs	<b>.291863</b>	<b>.1525363</b>	<b>1.91</b>	<b>0.056</b>	<b>-.0071759</b> <b>.5909019</b>
w1currdrugs#c.timew1w3					
1	<b>-.0269856</b>	<b>.0351411</b>	<b>-0.77</b>	<b>0.443</b>	<b>-.0958628</b> <b>.0418917</b>
timew1w3	<b>0</b>	(omitted)			
w1hei2010_total_scorecent43	<b>-.0041291</b>	<b>.0055983</b>	<b>-0.74</b>	<b>0.462</b>	<b>-.0152215</b> <b>.0069634</b>
c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0000872</b>	<b>.0012356</b>	<b>0.07</b>	<b>0.944</b>	<b>-.0023345</b> <b>.002509</b>

timew1w3	0	(omitted)					
w1BMICent30	<b>-.0217113</b>	<b>.0080061</b>	<b>-2.71</b>	<b>0.007</b>	<b>-.037404</b>	<b>-.0060186</b>	
c.timew1w3#c.w1BMICent30	<b>-.0002279</b>	<b>.0017898</b>	<b>-0.13</b>	<b>0.899</b>	<b>-.0037358</b>	<b>.0032801</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>.0019963</b>	<b>.0035478</b>	<b>0.56</b>	<b>0.574</b>	<b>-.0049572</b>	<b>.0089499</b>	
c.timew1w3#c.invmillsmms	<b>-.0006554</b>	<b>.0007325</b>	<b>-0.89</b>	<b>0.371</b>	<b>-.0020912</b>	<b>.0007803</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>-.1017631</b>	<b>.1881536</b>	<b>-0.54</b>	<b>0.589</b>	<b>-.4705378</b>	<b>.2670116</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>-.0004917</b>	<b>.0428061</b>	<b>-0.01</b>	<b>0.991</b>	<b>-.0843901</b>	<b>.0834067</b>	
_cons	<b>6.837003</b>	<b>.2545443</b>	<b>26.86</b>	<b>0.000</b>	<b>6.338096</b>	<b>7.335909</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.1376966</b>	<b>.0832739</b>	<b>.0420869</b>	<b>.450505</b>
sd(_cons)	<b>1.441653</b>	<b>.1059049</b>	<b>1.248334</b>	<b>1.664909</b>
corr(timew1w3,_cons)	<b>-.1295551</b>	<b>.2195841</b>	<b>-.5138977</b>	<b>.2981037</b>
sd(Residual)	<b>1.34104</b>	<b>.0980912</b>	<b>1.16193</b>	<b>1.547759</b>

66 .

67 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent > c.timew1w3##c.w1HCYcenter2p15 //> if sample4fobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,773
Group variable: HNDID	Number of groups	=	1,446
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
DF adjustment: Large sample	Average RVI	=	0.0536
	Largest FMI	=	0.2659
	DF: min	=	67.01
	avg	=	4872709.86
	max	=	1.41e+08
Model F test: Equal FMI	F( 27, 28604.5)	=	13.71
	Prob > F	=	0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0119567</b>	.1154793	<b>-0.10</b>	<b>0.918</b>	<b>-.2383873</b> <b>.2144738</b>
w1Agecent48	<b>-.0807791</b>	.0150999	<b>-5.35</b>	<b>0.000</b>	<b>-.1103756</b> <b>-.0511827</b>
c.timew1w3#c.w1Agecent48	<b>-.0021872</b>	.0029355	<b>-0.75</b>	<b>0.456</b>	<b>-.0079407</b> <b>.0035663</b>
timew1w3	0	(omitted)			
Sex					
Men	<b>1.284122</b>	.2835474	<b>4.53</b>	<b>0.000</b>	<b>.728378</b> <b>1.839866</b>
Sex#c.timew1w3					
Men	<b>-.0133628</b>	.0551533	<b>-0.24</b>	<b>0.809</b>	<b>-.1214615</b> <b>.094736</b>
timew1w3	0	(omitted)			
Race					
AfrAm	<b>-1.301165</b>	.2808193	<b>-4.63</b>	<b>0.000</b>	<b>-1.851564</b> <b>-.7507659</b>
Race#c.timew1w3					
AfrAm	<b>-.0317916</b>	.0552023	<b>-0.58</b>	<b>0.565</b>	<b>-.1399899</b> <b>.0764067</b>
timew1w3	0	(omitted)			
PovStat					
Below	<b>-.4986399</b>	.2906086	<b>-1.72</b>	<b>0.086</b>	<b>-1.068241</b> <b>.0709615</b>
PovStat#c.timew1w3					
Below	<b>.0112348</b>	.0554664	<b>0.20</b>	<b>0.839</b>	<b>-.0974787</b> <b>.1199484</b>
timew1w3	0	(omitted)			
w1edubr					
2	<b>-.3716525</b>	.5727827	<b>-0.65</b>	<b>0.516</b>	<b>-1.494336</b> <b>.7510307</b>
3	<b>.910603</b>	.6215283	<b>1.47</b>	<b>0.143</b>	<b>-.3076177</b> <b>2.128824</b>
w1edubr#c.timew1w3					
2	<b>.0901895</b>	.1104796	<b>0.82</b>	<b>0.414</b>	<b>-.1265113</b> <b>.3068904</b>
3	<b>.0509933</b>	.1213405	<b>0.42</b>	<b>0.674</b>	<b>-.1870354</b> <b>.2890219</b>
timew1w3	0	(omitted)			
w1WRATtotalcent42					
timew1w3	<b>.1603416</b>	.0192934	<b>8.31</b>	<b>0.000</b>	<b>.122527</b> <b>.1981562</b>
c.timew1w3#c.w1WRATtotalcent42	<b>.0026393</b>	.003754	<b>0.70</b>	<b>0.482</b>	<b>-.0047186</b> <b>.0099972</b>
timew1w3	0	(omitted)			
1.w1smoke	<b>-.5171786</b>	.3288171	<b>-1.57</b>	<b>0.120</b>	<b>-1.173498</b> <b>.1391405</b>
w1smoke#c.timew1w3					
1	<b>.0297209</b>	.0622625	<b>0.48</b>	<b>0.633</b>	<b>-.0925661</b> <b>.152008</b>
timew1w3	0	(omitted)			
1.w1currdrugs	<b>.2956618</b>	.3802862	<b>0.78</b>	<b>0.438</b>	<b>-.4564202</b> <b>1.047744</b>
w1currdrugs#c.timew1w3					
1	<b>-.0194809</b>	.071789	<b>-0.27</b>	<b>0.786</b>	<b>-.1602551</b> <b>.1212932</b>
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43					
timew1w3	<b>.0284056</b>	.0128253	<b>2.21</b>	<b>0.030</b>	<b>.0028191</b> <b>.0539921</b>
c.timew1w3#c.w1hei2010_total_scorecent43	<b>-.0032134</b>	.0025316	<b>-1.27</b>	<b>0.204</b>	<b>-.0081765</b> <b>.0017497</b>

timew1w3	0	(omitted)				
w1BMICent30	.0198981	.0188461	1.06	0.291	-.0170568	.056853
c.timew1w3#c.w1BMICent30	.0024005	.0035904	0.67	0.504	-.0046369	.0094379
timew1w3	0	(omitted)				
invmillsmms	.0087314	.0088688	0.98	0.325	-.0086511	.0261139
c.timew1w3#c.invmillsmms	-.0013843	.0015845	-0.87	0.382	-.0044898	.0017212
timew1w3	0	(omitted)				
w1HCYcenter2p15	-.0081475	.4283559	-0.02	0.985	-.8477135	.8314186
c.timew1w3#c.w1HCYcenter2p15	-.038073	.0831265	-0.46	0.647	-.2009982	.1248521
_cons	19.3209	.6006364	32.17	0.000	18.14337	20.49843

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.258313	.1760036	.067946	.9820388
sd(_cons)	3.967227	.16826	3.650777	4.311108
corr(timew1w3,_cons)	-.1629589	.1437561	-.4250749	.1243729
sd(Residual)	2.925426	.1742508	2.603075	3.287695

68 .

69 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4gobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,717

Group variable: HNDID

Number of groups	=	1,443
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI = .  
 Largest FMI = .

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 27, 16249.6)	=	18.12
Prob > F	=	0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0403574	.0449719	0.90	0.370	-.0477881 .1285029
w1Agecent48	-.0085262	.0057964	-1.47	0.141	-.0198872 .0028347
c.timew1w3#c.w1Agecent48	-.0031809	.0011583	-2.75	0.006	-.0054511 -.0009107
timew1w3	0 (omitted)				
Sex Men	.2054654	.1096088	1.87	0.061	-.0093669 .4202977
Sex#c.timew1w3 Men	-.0366929	.0217964	-1.68	0.092	-.0794134 .0060275
timew1w3	0 (omitted)				
Race AfrAm	-.2745863	.1088868	-2.52	0.012	-.4880392 -.0611333
Race#c.timew1w3 AfrAm	-.0130615	.0216763	-0.60	0.547	-.0555467 .0294236
timew1w3	0 (omitted)				
PovStat Below	-.1098761	.1118727	-0.98	0.326	-.329165 .1094129
PovStat#c.timew1w3 Below	-.0234392	.0218319	-1.07	0.283	-.0662298 .0193514
timew1w3	0 (omitted)				
w1edubr 2	-.0989562	.2212019	-0.45	0.655	-.5325154 .334603
3	.1922505	.2401264	0.80	0.423	-.2784176 .6629185
w1edubr#c.timew1w3 2	-.0007795	.0424645	-0.02	0.985	-.0840086 .0824497
3	-.0206165	.0466027	-0.44	0.658	-.1119587 .0707256
timew1w3	0 (omitted)				
w1WRATtotalcent42	.113305	.0074898	15.13	0.000	.0986239 .1279861
c.timew1w3#c.w1WRATtotalcent42	.0001678	.0014856	0.11	0.910	-.002744 .0030795
timew1w3	0 (omitted)				
1.w1smoke	.1707768	.121775	1.40	0.163	-.0703593 .4119129
w1smoke#c.timew1w3 1	-.0148142	.0244065	-0.61	0.544	-.0627258 .0330975
timew1w3	0 (omitted)				
1.w1currdrugs	.3998891	.176519	2.27	0.034	.0333296 .7664486
w1currdrugs#c.timew1w3 1	-.0090184	.0296151	-0.30	0.761	-.06727 .0492332
timew1w3	0 (omitted)				
w1hei2010_total_scorecent43	.0021867	.0047071	0.46	0.643	-.0071017 .0114752
c.timew1w3#c.w1hei2010_total_scorecent43	.0000259	.0010892	0.02	0.981	-.0021306 .0021824

timew1w3	0	(omitted)					
w1BMIcon30	<b>-.0113502</b>	<b>.007327</b>	<b>-1.55</b>	<b>0.122</b>	<b>-.0257251</b>	<b>.0030247</b>	
c.timew1w3#c.w1BMIcon30	<b>-.0013584</b>	<b>.0014226</b>	<b>-0.95</b>	<b>0.340</b>	<b>-.0041469</b>	<b>.0014301</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>.0058216</b>	<b>.0033973</b>	<b>1.71</b>	<b>0.087</b>	<b>-.0008369</b>	<b>.0124801</b>	
c.timew1w3#c.invmillsmms	<b>-.0005615</b>	<b>.0006154</b>	<b>-0.91</b>	<b>0.362</b>	<b>-.0017677</b>	<b>.0006447</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>-.0498239</b>	<b>.1662869</b>	<b>-0.30</b>	<b>0.764</b>	<b>-.3757423</b>	<b>.2760944</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>-.0241301</b>	<b>.0334743</b>	<b>-0.72</b>	<b>0.471</b>	<b>-.0897386</b>	<b>.0414784</b>	
_cons	<b>7.192363</b>	<b>.2306677</b>	<b>31.18</b>	<b>0.000</b>	<b>6.740241</b>	<b>7.644485</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0176913</b>	.	.
sd(_cons)	<b>1.476279</b>	.	.
corr(timew1w3,_cons)	<b>.9999982</b>	.	.
sd(Residual)	<b>1.192422</b>	.	.

70 .

71 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon30  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4hobs==1 || HNDID:

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5  
 Number of obs = 2,704

Group variable: HNDID

Number of groups = 1,444  
 Obs per group:

min = 1  
 avg = 1.9  
 max = 2

Average RVI = 0.0557  
 Largest FMI = 0.3078

DF adjustment: Large sample

DF: min = 50.65  
 avg = 1122030.44  
 max = 2.20e+07

Model F test: Equal FMI

F( 27, 29783.0) = 25.69  
 Prob > F = 0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0294309</b>	.0469599	-0.63	0.531	-.121484 .0626222
w1Agecent48	<b>-.0169821</b>	.0056374	-3.01	0.003	-.0280325 -.0059317
c.timew1w3#c.w1Agecent48	<b>-.0008709</b>	.0011977	-0.73	0.467	-.0032183 .0014765
timew1w3	0	(omitted)			
Sex Men	<b>-.0190153</b>	.1060383	-0.18	0.858	-.226849 .1888183
Sex#c.timew1w3 Men	<b>-.0273189</b>	.0225996	-1.21	0.227	-.0716136 .0169758
timew1w3	0	(omitted)			
Race AfrAm	<b>-.5360277</b>	.1042957	-5.14	0.000	-.7404461 -.3316093
Race#c.timew1w3 AfrAm	<b>-.0250127</b>	.0224777	-1.11	0.266	-.069069 .0190436
timew1w3	0	(omitted)			
PovStat Below	<b>-.1231698</b>	.1079848	-1.14	0.254	-.3348276 .0884879
PovStat#c.timew1w3 Below	<b>-.0008202</b>	.0225608	-0.04	0.971	-.0450386 .0433983
timew1w3	0	(omitted)			
w1edubr 2	<b>-.2178087</b>	.2138763	-1.02	0.308	-.6370063 .2013889
3	<b>.1368114</b>	.2325528	0.59	0.556	-.3190034 .5926261
w1edubr#c.timew1w3 2	<b>.0554343</b>	.0440273	1.26	0.208	-.0308581 .1417267
3	<b>.0259631</b>	.0482213	0.54	0.590	-.0685495 .1204757
timew1w3	0	(omitted)			
w1WRATtotalcent42	<b>.123633</b>	.0072275	17.11	0.000	.1094673 .1377987
c.timew1w3#c.w1WRATtotalcent42	<b>-.0017111</b>	.0015474	-1.11	0.269	-.0047441 .0013219
timew1w3	0	(omitted)			
1.w1smoke	<b>-.032864</b>	.1225695	-0.27	0.789	-.2765975 .2108695
w1smoke#c.timew1w3 1	<b>.0013743</b>	.0276429	0.05	0.960	-.0536403 .056389
timew1w3	0	(omitted)			
1.w1currdrugs	<b>.0874003</b>	.1426196	0.61	0.541	-.194108 .3689085
w1currdrugs#c.timew1w3 1	<b>.0246732</b>	.030002	0.82	0.411	-.0342151 .0835616
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	<b>-.0005406</b>	.005078	-0.11	0.916	-.0107369 .0096557
c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0010941</b>	.0011664	0.94	0.352	-.0012326 .0034207

timew1w3	0	(omitted)					
w1BMIcon30	<b>-.0064217</b>	<b>.0070014</b>	<b>-0.92</b>	<b>0.359</b>	<b>-.0201488</b>	<b>.0073055</b>	
c.timew1w3#c.w1BMIcon30	<b>-.00247</b>	<b>.0014762</b>	<b>-1.67</b>	<b>0.094</b>	<b>-.0053639</b>	<b>.0004239</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>.0051292</b>	<b>.0032801</b>	<b>1.56</b>	<b>0.118</b>	<b>-.0012996</b>	<b>.0115581</b>	
c.timew1w3#c.invmillsmms	<b>-.0003967</b>	<b>.0006369</b>	<b>-0.62</b>	<b>0.533</b>	<b>-.001645</b>	<b>.0008517</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>-.0546492</b>	<b>.1608897</b>	<b>-0.34</b>	<b>0.734</b>	<b>-.3699901</b>	<b>.2606916</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>.013148</b>	<b>.0345686</b>	<b>0.38</b>	<b>0.704</b>	<b>-.0546053</b>	<b>.0809012</b>	
_cons	<b>5.983549</b>	<b>.2251881</b>	<b>26.57</b>	<b>0.000</b>	<b>5.542091</b>	<b>6.425008</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity				
sd(_cons)	<b>1.34722</b>	<b>.0389109</b>	<b>1.273074</b>	<b>1.425684</b>
sd(Residual)	<b>1.237783</b>	<b>.0247444</b>	<b>1.190223</b>	<b>1.287245</b>

72 .  
73 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon30  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4iobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,767

Group variable: HNDID

Number of groups	=	1,445
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI	=	0.0349
Largest FMI	=	0.1793

DF adjustment: Large sample

DF:	min	=	142.09
	avg	=	1.05e+08
	max	=	3.31e+09

Model F test: Equal FMI

F( 27, 65006.4)	=	7.93
Prob > F	=	0.0000

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0645845</b>	<b>.0362888</b>	<b>-1.78</b>	<b>0.075</b>	<b>-.13572</b>
w1Agecent48	<b>-.0025466</b>	<b>.0035003</b>	<b>-0.73</b>	<b>0.467</b>	<b>-.0094071</b>
c.timew1w3#c.w1Agecent48	<b>-.0017777</b>	<b>.0009226</b>	<b>-1.93</b>	<b>0.054</b>	<b>-.0035861</b>
timew1w3	0	(omitted)			
Sex					
Men	<b>.0932009</b>	<b>.0659395</b>	<b>1.41</b>	<b>0.158</b>	<b>-.0360383</b>
					<b>.22244</b>

Sex#c.timew1w3						
Men	.0154575	.0173374	0.89	0.373	-.0185233	.0494383
timew1w3	0 (omitted)					
Race						
AfrAm	-.287085	.0650823	-4.41	0.000	-.4146439	-.159526
Race#c.timew1w3						
AfrAm	.0125181	.017232	0.73	0.468	-.0212562	.0462923
timew1w3	0 (omitted)					
PovStat						
Below	.0428848	.0675802	0.63	0.526	-.089571	.1753406
PovStat#c.timew1w3						
Below	-.0040103	.0174014	-0.23	0.818	-.0381164	.0300959
timew1w3	0 (omitted)					
w1edubr						
2	-.0371303	.1364874	-0.27	0.786	-.3047104	.2304499
3	.1490017	.1477448	1.01	0.313	-.1406201	.4386234
w1edubr#c.timew1w3						
2	.0440874	.0345191	1.28	0.202	-.0235772	.111752
3	.0595944	.0377766	1.58	0.115	-.0144561	.1336448
timew1w3	0 (omitted)					
w1WRATtotalcent42						
c.timew1w3#c.w1WRATtotalcent42	.0290059	.0045569	6.37	0.000	.0200741	.0379377
timew1w3	0 (omitted)					
1.w1smoke	-.0012247	.0011956	-1.02	0.306	-.0035686	.0011193
w1smoke#c.timew1w3						
1	-.0420381	.0755581	-0.56	0.579	-.191052	.1069758
timew1w3	0 (omitted)					
1.w1smoke	.0108952	.0198459	0.55	0.583	-.0281627	.0499531
w1smoke#c.timew1w3						
1	-.3064094	.0924026	3.32	0.001	.1237479	.4890708
timew1w3	0 (omitted)					
w1currdrugs						
1.w1currdrugs	-.0578662	.0227263	-2.55	0.011	-.1024483	-.0132841
timew1w3	0 (omitted)					
w1hei2010_total_scorecent43						
c.timew1w3#c.w1hei2010_total_scorecent43	.0023101	.002977	0.78	0.438	-.0035407	.0081609
timew1w3	0 (omitted)					
w1BMIcon30						
c.timew1w3#c.w1BMIcon30	.0004265	.0008329	0.51	0.609	-.0012144	.0020675
timew1w3	0 (omitted)					
w1BMIcon30						
c.timew1w3#c.w1BMIcon30	-.0034526	.0043418	-0.80	0.426	-.0119625	.0050573
timew1w3	0 (omitted)					
invmillsmms						
c.timew1w3#c.invmillsmms	.0000926	.0011292	0.08	0.935	-.0021206	.0023058
timew1w3	0 (omitted)					
invmillsmms						
c.timew1w3#c.invmillsmms	.0004126	.0020768	0.20	0.843	-.0036577	.004483
timew1w3	0 (omitted)					
w1HCYcenter2p15						
c.timew1w3#c.w1HCYcenter2p15	-.0002317	.0004979	-0.47	0.642	-.0012076	.0007442
timew1w3	0 (omitted)					
w1HCYcenter2p15						
c.timew1w3#c.w1HCYcenter2p15	-.0590073	.1001089	-0.59	0.556	-.2552172	.1372027

c.timew1w3#c.w1HCYcenter2p15		<b>-.0450739</b>	<b>.0263556</b>	<b>-1.71</b>	<b>0.087</b>	<b>-.0967299</b>	<b>.0065821</b>
_cons		<b>8.826633</b>	<b>.1416589</b>	<b>62.31</b>	<b>0.000</b>	<b>8.54892</b>	<b>9.104345</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.0538689</b>	<b>.069774</b>	<b>.0042542</b>	<b>.6821238</b>
sd(_cons)	<b>.640975</b>	<b>.0739195</b>	<b>.5113018</b>	<b>.8035352</b>
corr(timew1w3,_cons)	<b>-.1430374</b>	<b>.3809692</b>	<b>-.7193558</b>	<b>.5499143</b>
sd(Residual)	<b>.9584094</b>	<b>.0456572</b>	<b>.8729734</b>	<b>1.052207</b>

74 .

75 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4jobs==1 || HNDID: timew1w3

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,701
Group variable: HNDID	Number of groups	=	1,428
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	0.0353
	Largest FMI	=	0.3472
DF adjustment: Large sample	DF: min	=	40.19
	avg	=	2.51e+07
	max	=	6.74e+08
Model F test: Equal FMI	F( 27, 66522.1)	=	17.03
	Prob > F	=	0.0000

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>.0118694</b>	<b>.0096059</b>	<b>1.24</b>	<b>0.217</b>	<b>-.0069608</b>
w1Agecent48	<b>.0101665</b>	<b>.0010772</b>	<b>9.44</b>	<b>0.000</b>	<b>.0080553</b>
c.timew1w3#c.w1Agecent48	<b>.0006845</b>	<b>.0002433</b>	<b>2.81</b>	<b>0.005</b>	<b>.0002076</b>
timew1w3	0 (omitted)				
Sex					
Men	<b>.0872274</b>	<b>.0203619</b>	<b>4.28</b>	<b>0.000</b>	<b>.0473188</b>
Sex#c.timew1w3					
Men	<b>.0017644</b>	<b>.004577</b>	<b>0.39</b>	<b>0.700</b>	<b>-.0072064</b>
timew1w3	0 (omitted)				
Race					
AfrAm	<b>.1519907</b>	<b>.0200155</b>	<b>7.59</b>	<b>0.000</b>	<b>.112761</b>
Race#c.timew1w3					
AfrAm	<b>-.0013659</b>	<b>.0045183</b>	<b>-0.30</b>	<b>0.762</b>	<b>-.0102216</b>
					<b>.0074897</b>

	timew1w3	0	(omitted)				
PovStat Below		.0646285	.020754	3.11	0.002	.0239514	.1053056
PovStat#c.timew1w3 Below		.0011386	.0045721	0.25	0.803	-.0078226	.0100997
timew1w3		0	(omitted)				
w1edubr 2		-.0611327	.0423153	-1.44	0.149	-.1441035	.021838
3		-.0553798	.0459161	-1.21	0.228	-.1454233	.0346637
w1edubr#c.timew1w3 2		-.007748	.0091451	-0.85	0.397	-.0256765	.0101805
3		-.0117573	.0100046	-1.18	0.240	-.031372	.0078574
timew1w3		0	(omitted)				
w1WRATtotalcent42		-.0077149	.0014179	-5.44	0.000	-.0104939	-.0049359
c.timew1w3#c.w1WRATtotalcent42		-.0005373	.000316	-1.70	0.089	-.0011566	.000082
timew1w3		0	(omitted)				
1.w1smoke		.0021213	.0230112	0.09	0.927	-.0433401	.0475827
w1smoke#c.timew1w3 1		.0030614	.0050606	0.60	0.545	-.0068628	.0129855
timew1w3		0	(omitted)				
1.w1currdrugs		.051448	.0269534	1.91	0.057	-.0015856	.1044816
w1currdrugs#c.timew1w3 1		-.0043232	.0060428	-0.72	0.475	-.0161808	.0075344
timew1w3		0	(omitted)				
w1hei2010_total_scorecent43		.0000724	.0010138	0.07	0.943	-.0019764	.0021211
c.timew1w3#c.w1hei2010_total_scorecent43		.0001019	.0002307	0.44	0.660	-.0003555	.0005593
timew1w3		0	(omitted)				
w1BMIcon30		.0021415	.0013315	1.61	0.108	-.0004682	.0047512
c.timew1w3#c.w1BMIcon30		-.0002379	.0002944	-0.81	0.419	-.0008149	.0003392
timew1w3		0	(omitted)				
invmillsmms		.0004798	.0006265	0.77	0.444	-.0007481	.0017077
c.timew1w3#c.invmillsmms		-.0001441	.0001282	-1.12	0.261	-.0003954	.0001071
timew1w3		0	(omitted)				
w1HCYcenter2p15		.0827408	.030875	2.68	0.007	.0222268	.1432548
c.timew1w3#c.w1HCYcenter2p15		-.0088825	.0070244	-1.26	0.206	-.0226501	.0048852
_cons		3.358905	.043909	76.50	0.000	3.272817	3.444993

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0226306	.005935	.0135351	.0378382
sd(_cons)	.2561196	.0077718	.2413313	.2718141
sd(Residual)	.2373928	.0076348	.2228907	.2528384

76 .  
77 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4kobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
Number of obs = 2,609

Number of groups = 1,414  
Obs per group:

min = 1  
avg = 1.8  
max = 2

Average RVI = 0.0476  
Largest FMI = 0.2911  
DF: min = 56.38  
avg = 6139294.66  
max = 8.97e+07

F( 27, 35450.6) = 27.86  
Prob > F = 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0096194	.0147748	0.65	0.515	-.0193452	.0385839
w1Agecent48	.0156682	.0017987	8.71	0.000	.0121428	.0191936
c.timew1w3#c.w1Agecent48	.0005435	.0003675	1.48	0.139	-.0001769	.0012638
timew1w3	0 (omitted)					
Sex Men	.054117	.033929	1.60	0.111	-.0123826	.1206166
Sex#c.timew1w3 Men	-.0046376	.0068979	-0.67	0.501	-.0181573	.008882
timew1w3	0 (omitted)					
Race AfrAm	.3060526	.0333872	9.17	0.000	.2406146	.3714906
Race#c.timew1w3 AfrAm	.0001253	.0068573	0.02	0.985	-.0133148	.0135654
timew1w3	0 (omitted)					
PovStat Below	.1296326	.034688	3.74	0.000	.0616446	.1976207
PovStat#c.timew1w3 Below	.0012391	.0069936	0.18	0.859	-.0124684	.0149467

	timew1w3	0 (omitted)					
	w1edubr						
	2	-.1101523	.0697055	-1.58	0.114	-.2467801	.0264755
	3	-.2087289	.0750432	-2.78	0.005	-.3558124	-.0616454
	w1edubr#c.timew1w3						
	2	-.0068609	.0140654	-0.49	0.626	-.0344306	.0207088
	3	-.0077614	.015248	-0.51	0.611	-.0376498	.022127
	timew1w3	0 (omitted)					
	w1WRATtotalcent42	-.0267109	.0023842	-11.20	0.000	-.031384	-.0220378
c.timew1w3#c.w1WRATtotalcent42		-.0001015	.0005001	-0.20	0.839	-.0010817	.0008787
	timew1w3	0 (omitted)					
	1.w1smoke	.0029105	.0384433	0.08	0.940	-.0731888	.0790099
	w1smoke#c.timew1w3						
	1	.0089547	.0080467	1.11	0.267	-.0068942	.0248036
	timew1w3	0 (omitted)					
	1.w1currdrugs	-.0037453	.0457981	-0.08	0.935	-.0942188	.0867281
	w1currdrugs#c.timew1w3						
	1	-.0039455	.0094733	-0.42	0.677	-.0225945	.0147036
	timew1w3	0 (omitted)					
	w1hei2010_total_scorecent43	.0006127	.0014594	0.42	0.675	-.0022606	.003486
c.timew1w3#c.w1hei2010_total_scorecent43		-.000125	.0003679	-0.34	0.735	-.0008618	.0006118
	timew1w3	0 (omitted)					
	w1BMIconcent30	.0016779	.0022273	0.75	0.451	-.0026881	.0060439
c.timew1w3#c.w1BMIconcent30		-.0006338	.0004486	-1.41	0.158	-.001513	.0002454
	timew1w3	0 (omitted)					
	invmillsmms	-.002219	.0010433	-2.13	0.033	-.0042637	-.0001742
c.timew1w3#c.invmillsmms		-.0003091	.0004706	-0.66	0.511	-.0012316	.0006133
	timew1w3	0 (omitted)					
	w1HCYcenter2p15	.0589485	.0515192	1.14	0.253	-.0420275	.1599244
c.timew1w3#c.w1HCYcenter2p15		.0104389	.010431	1.00	0.317	-.0100056	.0308834
	_cons	4.494508	.072445	62.04	0.000	4.352511	4.636505

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.0618641	.0125843	.041523 .0921698
sd(_cons)	.4969829	.0210535	.4573853 .5400086
corr(timew1w3,_cons)	-.4771331	.0465542	-.5631304 -.380912
sd(Residual)	.3005038	.0274578	.2512311 .3594401

```

78 .
79 .
80 . save, replace
  file finaldata_imputed_FINAL.dta saved

81 .
82 .
83 . //MODEL 3: FULLY ADJUSTED MODEL: MODEL 2 + HEALTH-RELATED FACTORS///
84 .
85 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvnbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates          Imputations      =      5
Mixed-effects ML regression           Number of obs    =  2,653

Group variable: HNDID                Number of groups = 1,430
                                         Obs per group:
                                         min =        1
                                         avg =       1.9
                                         max =        2
                                         Average RVI   =
                                         Largest FMI   =
DF adjustment: Large sample         DF:     min =      0.00
                                         avg =       .
                                         max =       .
Model F test: Equal FMI            F( 43,98145.4) =     24.78
                                         Prob > F      = 0.0000

```

	MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0966214	.055941	1.73	0.084	-.0130359	.2062787
w1Agecent48	-.0194503	.005654	-3.44	0.001	-.0305348	-.0083657
c.timew1w3#c.w1Agecent48	-.0029983	.0012947	-2.32	0.021	-.0055367	-.0004599
timew1w3	0 (omitted)					
Sex						
Men	-.3629091	.0994935	-3.65	0.000	-.5579167	-.1679015
Sex#c.timew1w3						
Men	.0250626	.0228808	1.10	0.273	-.0197884	.0699137
timew1w3	0 (omitted)					
Race						
AfrAm	-.2445984	.0993386	-2.46	0.014	-.4393381	-.0498586
Race#c.timew1w3						
AfrAm	-.0178653	.0230826	-0.77	0.439	-.0631123	.0273816
timew1w3	0 (omitted)					
PovStat						
Below	-.0221515	.1005967	-0.22	0.826	-.2193187	.1750157
PovStat#c.timew1w3						
Below	-.0294985	.0227127	-1.30	0.194	-.0740146	.0150175

	timew1w3	0	(omitted)				
w1edubr							
2	.5150841	.1978243	2.60	0.009	.1273253	.9028429	
3	.7006318	.2159089	3.25	0.001	.2773963	1.123867	
w1edubr#c.timew1w3							
2	-.0605498	.0460436	-1.32	0.189	-.1508069	.0297073	
3	-.0620356	.0499592	-1.24	0.214	-.1599816	.0359104	
timew1w3	0	(omitted)					
w1WRATtotalcent42	.1441321	.0067978	21.20	0.000	.130807	.1574572	
c.timew1w3#c.w1WRATtotalcent42	-.0077707	.0016999	-4.57	0.000	-.0111033	-.0044381	
timew1w3	0	(omitted)					
1.w1smoke	.0553037	.1058449	0.52	0.601	-.1523553	.2629626	
w1smoke#c.timew1w3							
1	-.0545811	.0244484	-2.23	0.026	-.1025002	-.006662	
timew1w3	0	(omitted)					
1.w1currdrugs	-.0616153	.1343827	-0.46	0.647	-.3268599	.2036293	
w1currdrugs#c.timew1w3							
1	.0183464	.0299907	0.61	0.541	-.0405544	.0772472	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	-.0048011	.0048133	-1.00	0.323	-.0144403	.0048381	
c.timew1w3#c.w1hei2010_total_scorecent43	.0006708	.0011967	0.56	0.578	-.0017363	.003078	
timew1w3	0	(omitted)					
w1BMIcon30	-.0060401	.0069464	-0.87	0.385	-.019658	.0075779	
c.timew1w3#c.w1BMIcon30	.0002229	.0015502	0.14	0.886	-.0028153	.0032612	
timew1w3	0	(omitted)					
w1SRH							
2	.1694932	.1283311	1.32	0.187	-.0820313	.4210178	
3	.0950119	.1380814	0.69	0.491	-.1756245	.3656484	
w1SRH#c.timew1w3							
2	-.006785	.0298544	-0.23	0.820	-.0652985	.0517285	
3	-.0096514	.0320787	-0.30	0.764	-.0725256	.0532229	
timew1w3	0	(omitted)					
w1CEScent15	-.0073351	.0044979	-1.63	0.103	-.0161511	.0014809	
c.timew1w3#c.w1CEScent15	.0006037	.0010463	0.58	0.564	-.0014471	.0026545	
timew1w3	0	(omitted)					
w1dxHTN							
Yes	.051371	.1071259	0.48	0.632	-.1586061	.2613481	
w1dxHTN#c.timew1w3							
Yes	-.0125687	.0251586	-0.50	0.617	-.0618964	.036759	
timew1w3	0	(omitted)					
w1dxDiabetes							

	preDiabetes	<b>- .0176258</b>	.1254772	<b>-0.14</b>	0.888	<b>-.263657</b>	.2284054
	Diabetes	<b>-.0987088</b>	.1562367	<b>-0.63</b>	0.528	<b>-.4070532</b>	.2096356
w1dxDiabetes#c.timew1w3							
	preDiabetes	<b>.0326907</b>	.0287524	<b>1.14</b>	0.256	<b>-.0236659</b>	.0890474
	Diabetes	<b>-.0455544</b>	.035736	<b>-1.27</b>	0.203	<b>-.1157278</b>	.0246189
	timew1w3	<b>0</b>	(omitted)				
w1CVhighChol							
	Yes	<b>.1753621</b>	.118479	<b>1.48</b>	0.139	<b>-.0573356</b>	.4080597
w1CVhighChol#c.timew1w3							
	Yes	<b>.0077135</b>	.0278772	<b>0.28</b>	0.782	<b>-.046975</b>	.0624021
	timew1w3	<b>0</b>	(omitted)				
1.w1cvdbr		<b>-.0314166</b>	.1380629	<b>-0.23</b>	0.820	<b>-.3032091</b>	.2403758
w1cvdbr#c.timew1w3							
	1	<b>-.0003769</b>	.0321009	<b>-0.01</b>	0.991	<b>-.0635125</b>	.0627587
	timew1w3	<b>0</b>	(omitted)				
invmillsmms		<b>.0080808</b>	.0029747	<b>2.72</b>	0.007	<b>.0022506</b>	.0139111
c.timew1w3#c.invmillsmms		<b>-.0019121</b>	.0006188	<b>-3.09</b>	0.002	<b>-.0031249</b>	-.0006993
	timew1w3	<b>0</b>	(omitted)				
w1HCYcenter2p15		<b>-.0037403</b>	.1485009	<b>-0.03</b>	0.980	<b>-.2947996</b>	.2873189
c.timew1w3#c.w1HCYcenter2p15		<b>-.00433</b>	.0345363	<b>-0.13</b>	0.900	<b>-.0720204</b>	.0633604
	_cons	<b>27.30002</b>	.2375243	<b>114.94</b>	0.000	<b>26.83446</b>	27.76558

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0960297</b>	.	.
sd(_cons)	<b>1.200826</b>	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.
sd(Residual)	<b>1.18156</b>	.	.

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87 .

```
88 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 || HNDID: timew1w3
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,653

Group variable: HNDID

	Number of groups =	1,430
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	0.0412
	Largest FMI =	0.3417
DF adjustment:	Large sample	DF: min = 41.45
		avg = 3.49e+08
		max = 1.64e+10
Model F test:	Equal FMI	F( 43, 90189.8) = 22.65
		Prob > F = 0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.4996727	.4596396	1.09	0.277	-.401309 1.400654
w1Agecent48	-.1720218	.0409421	-4.20	0.000	-.2522715 -.0917721
c.timew1w3#c.w1Agecent48	-.0251227	.0104987	-2.39	0.017	-.0457016 -.0045438
timew1w3	0 (omitted)				
Sex					
Men	-2.283718	.7254624	-3.15	0.002	-3.705619 -.8618166
Sex#c.timew1w3					
Men	.1409311	.1869262	0.75	0.451	-.2254848 .507347
timew1w3	0 (omitted)				
Race					
AfrAm	-3.529161	.7214011	-4.89	0.000	-4.943201 -2.115121
Race#c.timew1w3					
AfrAm	.0367009	.188315	0.19	0.845	-.3324101 .4058119
timew1w3	0 (omitted)				
PovStat					
Below	-.278613	.7346586	-0.38	0.705	-1.718532 1.161306
PovStat#c.timew1w3					
Below	-.2859461	.1854104	-1.54	0.123	-.6493444 .0774522
timew1w3	0 (omitted)				
w1edubr					
2	3.84585	1.442232	2.67	0.008	1.018974 6.672727
3	5.93825	1.573927	3.77	0.000	2.853077 9.023424
w1edubr#c.timew1w3					
2	-.4962313	.377494	-1.31	0.189	-1.236174 .2437115
3	-.3764998	.407689	-0.92	0.356	-1.175673 .4226736
timew1w3	0 (omitted)				
w1WRATtotalcent42	.9384772	.049574	18.93	0.000	.8413048 1.035649
c.timew1w3#c.w1WRATtotalcent42	-.0314736	.0140627	-2.24	0.025	-.059042 -.0039052
timew1w3	0 (omitted)				
1.w1smoke	-.1368553	.774653	-0.18	0.860	-1.656733 1.383023

w1smoke#c.timew1w3						
1	<b>-.3185334</b>	<b>.1993053</b>	<b>-1.60</b>	<b>0.110</b>	<b>-.7091654</b>	<b>.0720985</b>
timew1w3	0	(omitted)				
1.w1currdrugs	<b>.1866699</b>	<b>.9812909</b>	<b>0.19</b>	<b>0.849</b>	<b>-1.749921</b>	<b>2.12326</b>
w1currdrugs#c.timew1w3						
1	<b>.0574474</b>	<b>.2511637</b>	<b>0.23</b>	<b>0.819</b>	<b>-.4372986</b>	<b>.5521933</b>
timew1w3	0	(omitted)				
w1hei2010_total_scorecent43	<b>-.0249351</b>	<b>.034498</b>	<b>-0.72</b>	<b>0.472</b>	<b>-.0936334</b>	<b>.0437631</b>
c.timew1w3#c.w1hei2010_total_scorecent43						
timew1w3	0	(omitted)				
w1BMIcon30	<b>-.0525261</b>	<b>.0503354</b>	<b>-1.04</b>	<b>0.297</b>	<b>-.151188</b>	<b>.0461358</b>
c.timew1w3#c.w1BMIcon30						
timew1w3	0	(omitted)				
w1SRH						
2	<b>1.349288</b>	<b>.9369723</b>	<b>1.44</b>	<b>0.150</b>	<b>-.4871481</b>	<b>3.185724</b>
3	<b>1.636602</b>	<b>1.012945</b>	<b>1.62</b>	<b>0.106</b>	<b>-.3488743</b>	<b>3.622078</b>
w1SRH#c.timew1w3						
2	<b>-.1130258</b>	<b>.2443386</b>	<b>-0.46</b>	<b>0.644</b>	<b>-.5919208</b>	<b>.3658692</b>
3	<b>-.196307</b>	<b>.2628354</b>	<b>-0.75</b>	<b>0.455</b>	<b>-.711469</b>	<b>.3188549</b>
timew1w3	0	(omitted)				
w1CEScent15						
timew1w3	0	(omitted)				
c.timew1w3#c.w1CEScent15						
timew1w3	0	(omitted)				
w1dxHTN						
Yes	<b>.5986266</b>	<b>.7857736</b>	<b>0.76</b>	<b>0.446</b>	<b>-.9416423</b>	<b>2.138896</b>
w1dxHTN#c.timew1w3						
Yes	<b>-.097509</b>	<b>.2044284</b>	<b>-0.48</b>	<b>0.633</b>	<b>-.4982317</b>	<b>.3032137</b>
timew1w3	0	(omitted)				
w1dxDiabetes						
preDiabetes						
Diabetes	<b>.4899097</b>	<b>.9190526</b>	<b>0.53</b>	<b>0.594</b>	<b>-1.312264</b>	<b>2.292083</b>
	<b>-.2051597</b>	<b>1.124403</b>	<b>-0.18</b>	<b>0.855</b>	<b>-2.418983</b>	<b>2.008664</b>
w1dxDiabetes#c.timew1w3						
preDiabetes						
Diabetes	<b>.2396825</b>	<b>.2344979</b>	<b>1.02</b>	<b>0.307</b>	<b>-.2199285</b>	<b>.6992935</b>
	<b>-.3704922</b>	<b>.2888329</b>	<b>-1.28</b>	<b>0.200</b>	<b>-.9370702</b>	<b>.1960857</b>
timew1w3	0	(omitted)				
w1CVhighChol						
Yes	<b>1.114256</b>	<b>.8671928</b>	<b>1.28</b>	<b>0.199</b>	<b>-.5890538</b>	<b>2.817565</b>
w1CVhighChol#c.timew1w3						
Yes	<b>.1262139</b>	<b>.2335174</b>	<b>0.54</b>	<b>0.589</b>	<b>-.3328834</b>	<b>.5853112</b>
timew1w3	0	(omitted)				
1.w1cvdbr	<b>-.480346</b>	<b>1.036498</b>	<b>-0.46</b>	<b>0.644</b>	<b>-2.528787</b>	<b>1.568095</b>



	Sex#c.timew1w3						
	Men	-.2273415	.0782832	-2.90	0.004	-.3807747	-.0739083
	timew1w3	0	(omitted)				
	Race						
	AfrAm	-2.205081	.359821	-6.13	0.000	-2.910466	-1.499697
	Race#c.timew1w3						
	AfrAm	.094799	.0788873	1.20	0.230	-.0598668	.2494648
	timew1w3	0	(omitted)				
	PovStat						
	Below	-.1181905	.3619009	-0.33	0.744	-.8275216	.5911406
	PovStat#c.timew1w3						
	Below	-.0326207	.0767341	-0.43	0.671	-.183023	.1177817
	timew1w3	0	(omitted)				
	w1edubr						
	2	-.4440311	.7000087	-0.63	0.526	-1.816969	.9289067
	3	1.702956	.7604065	2.24	0.025	.2119906	3.193922
	w1edubr#c.timew1w3						
	2	.0958915	.1454583	0.66	0.510	-.1892953	.3810783
	3	-.0606735	.1599188	-0.38	0.704	-.3741684	.2528214
	timew1w3	0	(omitted)				
	w1WRATTtotalcent42	.2225242	.0241104	9.23	0.000	.1752672	.2697811
	c.timew1w3#c.w1WRATTtotalcent42	-.0061411	.0051587	-1.19	0.234	-.0162522	.00397
	timew1w3	0	(omitted)				
	1.w1smoke	.0969247	.3858211	0.25	0.802	-.6635645	.8574139
	w1smoke#c.timew1w3						
	1	-.021031	.0890526	-0.24	0.814	-.1968068	.1547448
	timew1w3	0	(omitted)				
	1.w1currdrugs	-.4489591	.4408716	-1.02	0.309	-1.313434	.4155157
	w1currdrugs#c.timew1w3						
	1	.133306	.0991946	1.34	0.179	-.0613069	.3279188
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	.0236773	.0178068	1.33	0.191	-.0123443	.0596989
	c.timew1w3#c.w1hei2010_total_scorecent43	-.00321	.0039016	-0.82	0.412	-.010942	.0045219
	timew1w3	0	(omitted)				
	w1BMIcon30	.0085066	.0247457	0.34	0.731	-.0399972	.0570105
	c.timew1w3#c.w1BMIcon30	-.0021804	.0052497	-0.42	0.678	-.0124695	.0081088
	timew1w3	0	(omitted)				
	w1SRH						
	2	.8793945	.459565	1.91	0.056	-.0214026	1.780192
	3	.806404	.4966436	1.62	0.104	-.1671592	1.779967

w1SRH#c.timew1w3						
2	<b>-.1422614</b>	<b>.0996738</b>	<b>-1.43</b>	<b>0.154</b>	<b>-.3376207</b>	<b>.0530979</b>
3	<b>-.1333498</b>	<b>.1069556</b>	<b>-1.25</b>	<b>0.212</b>	<b>-.3429811</b>	<b>.0762815</b>
timew1w3	<b>0</b>	(omitted)				
w1CEScent15	<b>-.0703858</b>	<b>.0158262</b>	<b>-4.45</b>	<b>0.000</b>	<b>-.1014046</b>	<b>-.039367</b>
c.timew1w3#c.w1CEScent15	<b>-.0071338</b>	<b>.0034803</b>	<b>-2.05</b>	<b>0.040</b>	<b>-.0139553</b>	<b>-.0003123</b>
timew1w3	<b>0</b>	(omitted)				
w1dxHTN						
Yes	<b>.063687</b>	<b>.382129</b>	<b>0.17</b>	<b>0.868</b>	<b>-.685391</b>	<b>.812765</b>
w1dxHTN#c.timew1w3						
Yes	<b>-.0248663</b>	<b>.084426</b>	<b>-0.29</b>	<b>0.768</b>	<b>-.1903491</b>	<b>.1406164</b>
timew1w3	<b>0</b>	(omitted)				
w1dxDiabetes						
preDiabetes	<b>-.3694174</b>	<b>.44445</b>	<b>-0.83</b>	<b>0.406</b>	<b>-1.24067</b>	<b>.5018353</b>
Diabetes	<b>.6399213</b>	<b>.5301418</b>	<b>1.21</b>	<b>0.228</b>	<b>-.4000897</b>	<b>1.679932</b>
w1dxDiabetes#c.timew1w3						
preDiabetes	<b>.1475825</b>	<b>.0990288</b>	<b>1.49</b>	<b>0.136</b>	<b>-.0465815</b>	<b>.3417466</b>
Diabetes	<b>-.2907935</b>	<b>.1201566</b>	<b>-2.42</b>	<b>0.016</b>	<b>-.5266731</b>	<b>-.0549138</b>
timew1w3	<b>0</b>	(omitted)				
w1CVhighChol						
Yes	<b>-.2723261</b>	<b>.4108692</b>	<b>-0.66</b>	<b>0.508</b>	<b>-1.078055</b>	<b>.5334031</b>
w1CVhighChol#c.timew1w3						
Yes	<b>.177464</b>	<b>.0957977</b>	<b>1.85</b>	<b>0.064</b>	<b>-.0104754</b>	<b>.3654033</b>
timew1w3	<b>0</b>	(omitted)				
1.w1cvdbr	<b>.599027</b>	<b>.4609245</b>	<b>1.30</b>	<b>0.194</b>	<b>-.3046295</b>	<b>1.502684</b>
w1cvdbr#c.timew1w3						
1	<b>-.1685048</b>	<b>.106057</b>	<b>-1.59</b>	<b>0.113</b>	<b>-.37669</b>	<b>.0396805</b>
timew1w3	<b>0</b>	(omitted)				
invmillsmms	<b>.0179105</b>	<b>.0102777</b>	<b>1.74</b>	<b>0.081</b>	<b>-.0022334</b>	<b>.0380543</b>
c.timew1w3#c.invmillsmms	<b>-.000294</b>	<b>.0019956</b>	<b>-0.15</b>	<b>0.883</b>	<b>-.0042053</b>	<b>.0036173</b>
timew1w3	<b>0</b>	(omitted)				
w1HCYcenter2p15	<b>1.23069</b>	<b>.5306353</b>	<b>2.32</b>	<b>0.020</b>	<b>.1906629</b>	<b>2.270718</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0768468</b>	<b>.1155293</b>	<b>-0.67</b>	<b>0.506</b>	<b>-.3032802</b>	<b>.1495865</b>
_cons	<b>25.86145</b>	<b>.8365331</b>	<b>30.92</b>	<b>0.000</b>	<b>24.22179</b>	<b>27.50111</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.326289	.1084723	.1700642	.6260254
sd(_cons)	4.311733	.1291476	4.065894	4.572436
sd(Residual)	3.67779	.1302844	3.431095	3.942221

```

93 .
94 .
95 .
96 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4cobs==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression
Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,339
Number of groups = 1,391
Obs per group:
    min = 1
    avg = 1.7
    max = 2
    Average RVI = 0.0587
    Largest FMI = 0.3015
    DF: min = 52.69
        avg = 300,637.32
        max = 5484212.42
    F( 43,45601.2) = 24.04
    Prob > F = 0.0000

```

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	-.3862457	.0869699	-4.44	0.000	-.5567048	-.2157865
w1Agecent48	-.0863434	.0097622	-8.84	0.000	-.105478	-.0672088
c.timew1w3#c.w1Agecent48	-.0043141	.0021812	-1.98	0.048	-.0085893	-.000039
timew1w3	0 (omitted)					
Sex						
Men	-1.0465	.1726614	-6.06	0.000	-1.384911	-.708089
Sex#c.timew1w3						
Men	-.0645383	.0381159	-1.69	0.090	-.1392448	.0101682
timew1w3	0 (omitted)					
Race						
AfrAm	-1.306361	.1725256	-7.57	0.000	-1.644558	-.9681648
Race#c.timew1w3						
AfrAm	.0212427	.0382435	0.56	0.579	-.0537208	.0962063
timew1w3	0 (omitted)					
PovStat						
Below	.0354607	.1746051	0.20	0.839	-.3067734	.3776949

PovStat#c.timew1w3 Below		<b>- .030008</b>	<b>.0375095</b>	<b>-0.80</b>	<b>0.424</b>	<b>-.1035289</b>	<b>.043513</b>
	timew1w3	<b>0</b>	(omitted)				
w1edubr 2 3		<b>-.1387825</b>	<b>.3387057</b>	<b>-0.41</b>	<b>0.682</b>	<b>-.8030418</b>	<b>.5254769</b>
		<b>.5584412</b>	<b>.3678209</b>	<b>1.52</b>	<b>0.129</b>	<b>-.162689</b>	<b>1.279571</b>
w1edubr#c.timew1w3 2 3		<b>-.0109292</b>	<b>.0701903</b>	<b>-0.16</b>	<b>0.876</b>	<b>-.1485255</b>	<b>.1266671</b>
		<b>-.008155</b>	<b>.0773222</b>	<b>-0.11</b>	<b>0.916</b>	<b>-.1597175</b>	<b>.1434075</b>
timew1w3 w1WRATtotalcent42		<b>0</b>	(omitted)				
		<b>.0938077</b>	<b>.0117163</b>	<b>8.01</b>	<b>0.000</b>	<b>.0708413</b>	<b>.1167741</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0041791</b>	<b>.0025111</b>	<b>-1.66</b>	<b>0.096</b>	<b>-.0091008</b>	<b>.0007425</b>
timew1w3 1.w1smoke		<b>0</b>	(omitted)				
		<b>.0235009</b>	<b>.1980785</b>	<b>0.12</b>	<b>0.906</b>	<b>-.3707604</b>	<b>.4177622</b>
w1smoke#c.timew1w3 1		<b>-.011814</b>	<b>.0461892</b>	<b>-0.26</b>	<b>0.799</b>	<b>-.1040075</b>	<b>.0803794</b>
timew1w3 1.w1currdrugs		<b>0</b>	(omitted)				
		<b>-.2004235</b>	<b>.2271386</b>	<b>-0.88</b>	<b>0.379</b>	<b>-.6482483</b>	<b>.2474013</b>
w1currdrugs#c.timew1w3 1		<b>-.0123112</b>	<b>.0519169</b>	<b>-0.24</b>	<b>0.813</b>	<b>-.1151097</b>	<b>.0904873</b>
timew1w3 w1hei2010_total_scorecent43		<b>0</b>	(omitted)				
		<b>.0064559</b>	<b>.0084436</b>	<b>0.76</b>	<b>0.448</b>	<b>-.0104821</b>	<b>.023394</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0002643</b>	<b>.0019664</b>	<b>-0.13</b>	<b>0.893</b>	<b>-.0041777</b>	<b>.0036491</b>
timew1w3 w1BMIcon30		<b>0</b>	(omitted)				
		<b>.0280285</b>	<b>.0119313</b>	<b>2.35</b>	<b>0.019</b>	<b>.0046426</b>	<b>.0514145</b>
c.timew1w3#c.w1BMIcon30		<b>-.0027863</b>	<b>.0025708</b>	<b>-1.08</b>	<b>0.278</b>	<b>-.007825</b>	<b>.0022523</b>
timew1w3 w1SRH		<b>0</b>	(omitted)				
		<b>.2134624</b>	<b>.2215443</b>	<b>0.96</b>	<b>0.335</b>	<b>-.2207697</b>	<b>.6476945</b>
		<b>.0272243</b>	<b>.2398327</b>	<b>0.11</b>	<b>0.910</b>	<b>-.4428968</b>	<b>.4973454</b>
w1SRH#c.timew1w3 2 3		<b>.0181282</b>	<b>.0489464</b>	<b>0.37</b>	<b>0.711</b>	<b>-.0778054</b>	<b>.1140617</b>
		<b>.0564406</b>	<b>.0525354</b>	<b>1.07</b>	<b>0.283</b>	<b>-.046527</b>	<b>.1594082</b>
timew1w3 w1CEScent15		<b>0</b>	(omitted)				
		<b>-.0324317</b>	<b>.0077011</b>	<b>-4.21</b>	<b>0.000</b>	<b>-.0475257</b>	<b>-.0173377</b>
c.timew1w3#c.w1CEScent15		<b>.0000118</b>	<b>.001724</b>	<b>0.01</b>	<b>0.995</b>	<b>-.003368</b>	<b>.0033917</b>
timew1w3 w1dxHTN		<b>0</b>	(omitted)				
		<b>.0119326</b>	<b>.1840273</b>	<b>0.06</b>	<b>0.948</b>	<b>-.3488079</b>	<b>.3726731</b>
w1dxHTN#c.timew1w3 Yes		<b>.0195017</b>	<b>.0410866</b>	<b>0.47</b>	<b>0.635</b>	<b>-.0610279</b>	<b>.1000313</b>

	timew1w3	0 (omitted)				
w1dxDiabetes						
preDiabetes						
Diabetes						
w1dxDiabetes#c.timew1w3						
preDiabetes						
Diabetes						
timew1w3	0 (omitted)					
w1CVhighChol						
Yes						
w1CVhighChol#c.timew1w3						
Yes						
timew1w3	0 (omitted)					
1.w1cvdbr						
w1cvdbr#c.timew1w3						
1						
timew1w3	0 (omitted)					
invmillsmms						
c.timew1w3#c.invmillsmms						
timew1w3	0 (omitted)					
w1HCYcenter2p15						
c.timew1w3#c.w1HCYcenter2p15						
_cons	8.301315	.4073185	20.38	0.000	7.502826	9.099803

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0457551	.1891129	.0000139	150.8695
sd(_cons)	1.981609	.0632578	1.861424	2.109553
sd(Residual)	1.812696	.0605493	1.697823	1.935341

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 99 .

```
100 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> imew1w3##w1CVhighChol c.timew1w3##w1cvnbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dobs==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,751

Group variable: HNDID

Number of groups = 1,443  
Obs per group:

min	=	1
avg	=	1.9
max	=	2

Average RVI = 0.0379  
Largest FMI = 0.2872

DF adjustment: Large sample

DF: min = 57.86  
avg = 848,651.26  
max = 1.13e+07

Model F test: Equal FMI

F( 43, 101995.1) = 21.36  
Prob > F = 0.0000

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.4859891	.1317859	3.69	0.000	.2276692 .7443091
w1Agecent48	.1142629	.0144665	7.90	0.000	.0859087 .1426171
c.timew1w3#c.w1Agecent48	.0087619	.003109	2.82	0.005	.0026683 .0148555
timew1w3	0 (omitted)				
Sex Men	-.9788395	.2578521	-3.80	0.000	-1.48423 -.4734486
Sex#c.timew1w3 Men	.0562976	.0549508	1.02	0.306	-.0514066 .1640019
timew1w3	0 (omitted)				
Race AfrAm	.6278491	.2537731	2.47	0.013	.1304609 1.125237
Race#c.timew1w3 AfrAm	.1522438	.0547272	2.78	0.005	.044979 .2595085
timew1w3	0 (omitted)				
PovStat Below	.094359	.2608269	0.36	0.718	-.4168526 .6055707
PovStat#c.timew1w3 Below	.057998	.0549909	1.05	0.292	-.0497821 .1657782
timew1w3	0 (omitted)				
w1edubr 2	-.634915	.512047	-1.24	0.215	-1.638696 .3688656
3	-1.401575	.5626635	-2.49	0.013	-2.504903 -.298246
w1edubr#c.timew1w3 2	-.1566643	.1069849	-1.46	0.143	-.3663542 .0530256
3	-.1377297	.1169627	-1.18	0.239	-.3669752 .0915158

	timew1w3	0	(omitted)				
w1WRATtotalcent42		-.1464122	.0176793	-8.28	0.000	-.1810757	-.1117487
c.timew1w3#c.w1WRATtotalcent42		-.0043061	.0037147	-1.16	0.246	-.0115869	.0029747
	timew1w3	0	(omitted)				
1.w1smoke		.2686526	.279802	0.96	0.338	-.2822134	.8195185
w1smoke#c.timew1w3							
1		-.0398118	.059482	-0.67	0.503	-.1564086	.076785
	timew1w3	0	(omitted)				
1.w1currdrugs		-.2859509	.3709002	-0.77	0.444	-1.028427	.4565255
w1currdrugs#c.timew1w3							
1		.0942392	.0735512	1.28	0.201	-.0502586	.238737
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		-.0039746	.0115304	-0.34	0.731	-.0268719	.0189227
c.timew1w3#c.w1hei2010_total_scorecent43		-.0033738	.0027688	-1.22	0.227	-.0088817	.0021342
	timew1w3	0	(omitted)				
w1BMIcontent30		-.0107084	.0177517	-0.60	0.546	-.0455015	.0240846
c.timew1w3#c.w1BMIcontent30		-.0038592	.0037975	-1.02	0.310	-.0113022	.0035838
	timew1w3	0	(omitted)				
w1SRH							
2		-.8672284	.3344824	-2.59	0.010	-1.522804	-.2116527
3		-.8299421	.3607245	-2.30	0.021	-1.536954	-.1229297
w1SRH#c.timew1w3							
2		-.0578181	.0718305	-0.80	0.421	-.1986035	.0829673
3		-.0170087	.0776422	-0.22	0.827	-.1691935	.1351762
	timew1w3	0	(omitted)				
w1CEScent15		.0446428	.0118271	3.77	0.000	.0214557	.0678299
c.timew1w3#c.w1CEScent15		-.0003877	.0025477	-0.15	0.879	-.0053818	.0046064
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		.3466662	.2831619	1.22	0.221	-.2094077	.90274
w1dxHTN#c.timew1w3							
Yes		-.0347767	.0600313	-0.58	0.562	-.1524382	.0828849
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		.2573582	.3277161	0.79	0.432	-.3858814	.9005978
Diabetes		.2248151	.3867347	0.58	0.561	-.5351528	.984783
w1dxDiabetes#c.timew1w3							
preDiabetes		-.0296241	.069388	-0.43	0.669	-.1656226	.1063743
Diabetes		.0310697	.0820089	0.38	0.705	-.1296673	.1918066
	timew1w3	0	(omitted)				

w1CVhighChol Yes		.0813529	.3072043	0.26	0.791	-.5233153	.6860211
w1CVhighChol#c.timew1w3 Yes		-.018045	.067047	-0.27	0.788	-.1495342	.1134443
timew1w3 1.w1cvdbr	0 (omitted)	.4198529	.3365106	1.25	0.212	-.2399806	1.079686
w1cvdbr#c.timew1w3 1	-.1542447	.0750455	-2.06	0.040	-.3014023	-.0070871	
timew1w3 invmillsmms	0 (omitted)	-.0169264	.0077441	-2.19	0.029	-.0321045	-.0017483
c.timew1w3#c.invmillsmms	-.0000156	.0015442	-0.01	0.992	-.0030422	.003011	
timew1w3 w1HCYcenter2p15	0 (omitted)	-.1175562	.3839653	-0.31	0.759	-.8701188	.6350065
c.timew1w3#c.w1HCYcenter2p15	.1250518	.0816412	1.53	0.126	-.034962	.2850656	
_cons	7.778525	.6204393	12.54	0.000	6.562209	8.994842	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.6605022	.0602926	.5522925 .7899133
sd(_cons)	3.895322	.1368695	3.636082 4.173045
corr(timew1w3,_cons)	-.4766146	.0340073	-.5404839 -.4072835
sd(Residual)	1.9576	.202004	1.599131 2.396425

```

101 .
102 .
103 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4eobs==1 || HNDID: timew1w3, cov(un)

```

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 2,486
Group variable: HNDID	Number of groups = 1,418
	Obs per group:
	min = 1
	avg = 1.8
	max = 2
DF adjustment: Large sample	Average RVI = 0.0359
	Largest FMI = 0.2790
	DF: min = 61.15
	avg = 3065257.90
	max = 8.58e+07
Model F test: Equal FMI	F( 43, 111895.3) = 10.09
	Prob > F = 0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0156238</b>	.0665665	-0.23	0.814	-.1460953 .1148478
w1Agecent48	<b>-.0143954</b>	.0069032	-2.09	0.037	-.0279259 -.0008649
c.timew1w3#c.w1Agecent48	<b>-.002634</b>	.0015803	-1.67	0.096	-.0057313 .0004634
timew1w3	0	(omitted)			
Sex Men	<b>-.2521088</b>	.1231874	-2.05	0.041	-.4935517 -.0106658
Sex#c.timew1w3 Men	<b>-.0155802</b>	.0278943	-0.56	0.576	-.070252 .0390917
timew1w3	0	(omitted)			
Race AfrAm	<b>-.722477</b>	.1217645	-5.93	0.000	-.9611345 -.4838195
Race#c.timew1w3 AfrAm	<b>.0467869</b>	.027767	1.68	0.092	-.0076354 .1012093
timew1w3	0	(omitted)			
PovStat Below	<b>-.065459</b>	.1248093	-0.52	0.600	-.3100814 .1791634
PovStat#c.timew1w3 Below	<b>-.0435323</b>	.0279979	-1.55	0.120	-.0984081 .0113435
timew1w3	0	(omitted)			
w1edubr 2	<b>.3975591</b>	.2448635	1.62	0.104	-.0824048 .8775229
w1edubr 3	<b>.5294064</b>	.2665388	1.99	0.047	.0069226 1.05189
w1edubr#c.timew1w3 2	<b>-.0123008</b>	.0549098	-0.22	0.823	-.1199358 .0953343
w1edubr#c.timew1w3 3	<b>-.0387303</b>	.0595144	-0.65	0.515	-.1553826 .0779221
timew1w3	0	(omitted)			
w1WRATtotalcent42	<b>.0707407</b>	.0083488	8.47	0.000	.0543772 .0871042
c.timew1w3#c.w1WRATtotalcent42	<b>.0035413</b>	.0019177	1.85	0.065	-.0002173 .0072998
timew1w3	0	(omitted)			
1.w1smoke	<b>-.1283062</b>	.1365849	-0.94	0.349	-.3978809 .1412684
w1smoke#c.timew1w3 1	<b>-.0217366</b>	.0304901	-0.71	0.476	-.0815323 .0380591
timew1w3	0	(omitted)			
1.w1currdrugs	<b>.346146</b>	.1532246	2.26	0.024	.0457307 .6465612
w1currdrugs#c.timew1w3 1	<b>-.0261549</b>	.0354976	-0.74	0.461	-.0957342 .0434245
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	<b>-.0052</b>	.0054668	-0.95	0.343	-.0159898 .0055898
c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0002176</b>	.0012408	0.18	0.861	-.0022144 .0026497

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0160524</b>	<b>.0085577</b>	<b>-1.88</b>	<b>0.061</b>	<b>-.0328261</b>	<b>.0007213</b>
c.timew1w3#c.w1BMIcon30		<b>.0003504</b>	<b>.0019171</b>	<b>0.18</b>	<b>0.855</b>	<b>-.003407</b>	<b>.0041079</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>.4683652</b>	<b>.159947</b>	<b>2.93</b>	<b>0.003</b>	<b>.1548669</b>	<b>.7818636</b>
3		<b>.3787219</b>	<b>.1724705</b>	<b>2.20</b>	<b>0.028</b>	<b>.0406642</b>	<b>.7167797</b>
w1SRH#c.timew1w3							
2		<b>-.033281</b>	<b>.0366567</b>	<b>-0.91</b>	<b>0.364</b>	<b>-.105127</b>	<b>.038565</b>
3		<b>-.0068379</b>	<b>.0395578</b>	<b>-0.17</b>	<b>0.863</b>	<b>-.0843751</b>	<b>.0706994</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>-.0074073</b>	<b>.0055704</b>	<b>-1.33</b>	<b>0.184</b>	<b>-.0183256</b>	<b>.0035109</b>
c.timew1w3#c.w1CEScent15		<b>-.0004957</b>	<b>.0012673</b>	<b>-0.39</b>	<b>0.696</b>	<b>-.0029796</b>	<b>.0019882</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.060342</b>	<b>.1350244</b>	<b>0.45</b>	<b>0.655</b>	<b>-.2044986</b>	<b>.3251827</b>
w1dxHTN#c.timew1w3							
Yes		<b>-.0440849</b>	<b>.0308225</b>	<b>-1.43</b>	<b>0.153</b>	<b>-.1045013</b>	<b>.0163315</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>-.2477944</b>	<b>.1518122</b>	<b>-1.63</b>	<b>0.103</b>	<b>-.5453423</b>	<b>.0497535</b>
Diabetes		<b>-.326855</b>	<b>.1884964</b>	<b>-1.73</b>	<b>0.084</b>	<b>-.6974116</b>	<b>.0437017</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0725838</b>	<b>.0353318</b>	<b>2.05</b>	<b>0.040</b>	<b>.0033345</b>	<b>.141833</b>
Diabetes		<b>-.0257233</b>	<b>.041737</b>	<b>-0.62</b>	<b>0.538</b>	<b>-.1075356</b>	<b>.056089</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>.1400672</b>	<b>.1531528</b>	<b>0.91</b>	<b>0.362</b>	<b>-.1626721</b>	<b>.4428064</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0249063</b>	<b>.0343787</b>	<b>0.72</b>	<b>0.469</b>	<b>-.0425275</b>	<b>.0923401</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>.037729</b>	<b>.1840335</b>	<b>0.21</b>	<b>0.838</b>	<b>-.3302512</b>	<b>.4057091</b>
w1cvdbr#c.timew1w3							
1		<b>.0197663</b>	<b>.0410248</b>	<b>0.48</b>	<b>0.631</b>	<b>-.0614593</b>	<b>.1009918</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.0025874</b>	<b>.003529</b>	<b>0.73</b>	<b>0.463</b>	<b>-.0043294</b>	<b>.0095041</b>
c.timew1w3#c.invmillsmms		<b>-.0007536</b>	<b>.000732</b>	<b>-1.03</b>	<b>0.303</b>	<b>-.0021882</b>	<b>.000681</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>-.082785</b>	<b>.1880445</b>	<b>-0.44</b>	<b>0.660</b>	<b>-.4513459</b>	<b>.285776</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0058</b>	<b>.0428738</b>	<b>0.14</b>	<b>0.892</b>	<b>-.0782311</b>	<b>.0898311</b>

	<u>_cons</u>	<b>6.505358</b>	<b>.2933496</b>	<b>22.18</b>	<b>0.000</b>	<b>5.930396</b>	<b>7.08032</b>
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.128752</b>	<b>.0906078</b>	<b>.0324137</b>	<b>.5114211</b>
sd(_cons)	<b>1.4155</b>	<b>.1084963</b>	<b>1.218054</b>	<b>1.644953</b>
corr(timew1w3,_cons)	<b>-.1136796</b>	<b>.2490329</b>	<b>-.5431831</b>	<b>.3629798</b>
sd(Residual)	<b>1.34501</b>	<b>.0993782</b>	<b>1.163678</b>	<b>1.554597</b>

104 .  
 105 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbl c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4fobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,773
Group variable: HNDID		
Number of groups	=	1,446
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0548
Largest FMI	=	0.2727
DF adjustment: Large sample	DF:	
min	=	63.84
avg	=	1022507.14
max	=	4.35e+07
Model F test: Equal FMI	F( 43, 50133.5)	= 8.99
	Prob > F	= 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.0105274</b>	<b>.1340585</b>	<b>-0.08</b>	<b>0.937</b>	<b>-.273357</b>	<b>.2523021</b>
w1Agecent48	<b>-.0917844</b>	<b>.0164672</b>	<b>-5.57</b>	<b>0.000</b>	<b>-.1240721</b>	<b>-.0594967</b>
c.timew1w3#c.w1Agecent48	<b>-.0019043</b>	<b>.0031908</b>	<b>-0.60</b>	<b>0.551</b>	<b>-.0081582</b>	<b>.0043495</b>
timew1w3	0	(omitted)				
Sex						
Men	<b>1.184259</b>	<b>.2887437</b>	<b>4.10</b>	<b>0.000</b>	<b>.6183228</b>	<b>1.750194</b>
Sex#c.timew1w3						
Men	<b>-.0084628</b>	<b>.0560956</b>	<b>-0.15</b>	<b>0.880</b>	<b>-.1184087</b>	<b>.1014831</b>
timew1w3	0	(omitted)				
Race						
AfrAm	<b>-1.441259</b>	<b>.2872739</b>	<b>-5.02</b>	<b>0.000</b>	<b>-2.004337</b>	<b>-.8781812</b>
Race#c.timew1w3						
AfrAm	<b>-.0166862</b>	<b>.0564236</b>	<b>-0.30</b>	<b>0.767</b>	<b>-.1272808</b>	<b>.0939085</b>
timew1w3	0	(omitted)				

PovStat Below		<b>- .4241049</b>	<b>.2943428</b>	<b>-1.44</b>	<b>0.150</b>	<b>-1.001021</b>	<b>.1528107</b>
PovStat#c.timew1w3 Below		<b>.0100262</b>	<b>.0563291</b>	<b>0.18</b>	<b>0.859</b>	<b>-.1003786</b>	<b>.120431</b>
timew1w3		<b>0</b>	(omitted)				
w1edubr 2		<b>-.3994136</b>	<b>.5730399</b>	<b>-0.70</b>	<b>0.486</b>	<b>-1.522639</b>	<b>.7238118</b>
3		<b>.8380487</b>	<b>.6222148</b>	<b>1.35</b>	<b>0.178</b>	<b>-.3815194</b>	<b>2.057617</b>
w1edubr#c.timew1w3 2		<b>.090209</b>	<b>.1108647</b>	<b>0.81</b>	<b>0.416</b>	<b>-.1272796</b>	<b>.3076975</b>
3		<b>.059747</b>	<b>.1221046</b>	<b>0.49</b>	<b>0.625</b>	<b>-.1798327</b>	<b>.2993268</b>
timew1w3 w1WRATtotalcent42		<b>0</b>	(omitted)				
c.timew1w3#c.w1WRATtotalcent42		<b>.1533818</b>	<b>.0194073</b>	<b>7.90</b>	<b>0.000</b>	<b>.1153439</b>	<b>.1914196</b>
timew1w3 1.w1smoke		<b>0</b>	(omitted)				
- .4213913		<b>.3289905</b>		<b>-1.28</b>	<b>0.204</b>	<b>-1.077145</b>	<b>.234362</b>
w1smoke#c.timew1w3 1		<b>.0200106</b>	<b>.0627242</b>	<b>0.32</b>	<b>0.750</b>	<b>-.1031544</b>	<b>.1431756</b>
timew1w3 1.w1currdrugs		<b>0</b>	(omitted)				
.4120699		<b>.380973</b>		<b>1.08</b>	<b>0.281</b>	<b>-.3409815</b>	<b>1.165121</b>
w1currdrugs#c.timew1w3 1		<b>-.0254334</b>	<b>.0727002</b>	<b>-0.35</b>	<b>0.726</b>	<b>-.1680132</b>	<b>.1171464</b>
timew1w3 w1hei2010_total_scorecent43		<b>0</b>	(omitted)				
.0259736		<b>.0129374</b>		<b>2.01</b>	<b>0.049</b>	<b>.000127</b>	<b>.0518203</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0030182</b>	<b>.0025521</b>	<b>-1.18</b>	<b>0.237</b>	<b>-.0080219</b>	<b>.0019856</b>
timew1w3 w1BMIcon30		<b>0</b>	(omitted)				
.0180606		<b>.0203387</b>		<b>0.89</b>	<b>0.375</b>	<b>-.0218324</b>	<b>.0579536</b>
c.timew1w3#c.w1BMIcon30		<b>.0014402</b>	<b>.0038707</b>	<b>0.37</b>	<b>0.710</b>	<b>-.0061467</b>	<b>.0090271</b>
timew1w3		<b>0</b>	(omitted)				
w1SRH 2		<b>-.0343687</b>	<b>.3745863</b>	<b>-0.09</b>	<b>0.927</b>	<b>-.7685769</b>	<b>.6998395</b>
3		<b>.1772471</b>	<b>.4034432</b>	<b>0.44</b>	<b>0.660</b>	<b>-.6135406</b>	<b>.9680348</b>
w1SRH#c.timew1w3 2		<b>.033888</b>	<b>.0734284</b>	<b>0.46</b>	<b>0.644</b>	<b>-.1100325</b>	<b>.1778084</b>
3		<b>-.0349468</b>	<b>.0785215</b>	<b>-0.45</b>	<b>0.656</b>	<b>-.1888477</b>	<b>.1189541</b>
timew1w3 w1CEScent15		<b>0</b>	(omitted)				
-.0351653		<b>.0130325</b>		<b>-2.70</b>	<b>0.007</b>	<b>-.0607103</b>	<b>-.0096203</b>
c.timew1w3#c.w1CEScent15		<b>.0022137</b>	<b>.0025492</b>	<b>0.87</b>	<b>0.385</b>	<b>-.0027827</b>	<b>.00721</b>
timew1w3		<b>0</b>	(omitted)				
w1dxHTN Yes		<b>.4414339</b>	<b>.3158915</b>	<b>1.40</b>	<b>0.163</b>	<b>-.1786335</b>	<b>1.061501</b>

w1dxHTN#c.timew1w3						
Yes		<b>-.0681943</b>	<b>.0624857</b>	<b>-1.09</b>	<b>0.275</b>	<b>-.1907204</b>
timew1w3		<b>0</b>	(omitted)			
w1dxDiabetes						
preDiabetes		<b>-.1158548</b>	<b>.3603026</b>	<b>-0.32</b>	<b>0.748</b>	<b>-.8222688</b>
Diabetes		<b>-.0616456</b>	<b>.4146591</b>	<b>-0.15</b>	<b>0.882</b>	<b>-.8744206</b>
w1dxDiabetes#c.timew1w3						
preDiabetes		<b>.0186786</b>	<b>.0721491</b>	<b>0.26</b>	<b>0.796</b>	<b>-.1227777</b>
Diabetes		<b>.0750699</b>	<b>.0857879</b>	<b>0.88</b>	<b>0.382</b>	<b>-.0932242</b>
timew1w3		<b>0</b>	(omitted)			
w1CVhighChol						
Yes		<b>.0719506</b>	<b>.3652539</b>	<b>0.20</b>	<b>0.844</b>	<b>-.6571598</b>
w1CVhighChol#c.timew1w3						
Yes		<b>.0483163</b>	<b>.0740178</b>	<b>0.65</b>	<b>0.515</b>	<b>-.0979121</b>
timew1w3		<b>0</b>	(omitted)			
1.w1cvdbr		<b>.2223408</b>	<b>.3746685</b>	<b>0.59</b>	<b>0.553</b>	<b>-.5131633</b>
w1cvdbr#c.timew1w3						
1		<b>-.0287214</b>	<b>.0767944</b>	<b>-0.37</b>	<b>0.708</b>	<b>-.1793663</b>
timew1w3		<b>0</b>	(omitted)			
invmillsmms		<b>.0097694</b>	<b>.0088613</b>	<b>1.10</b>	<b>0.270</b>	<b>-.0075985</b>
c.timew1w3#c.invmillsmms						
		<b>-.0014912</b>	<b>.0015869</b>	<b>-0.94</b>	<b>0.347</b>	<b>-.0046015</b>
timew1w3		<b>0</b>	(omitted)			
w1HCYcenter2p15		<b>-.013949</b>	<b>.4292576</b>	<b>-0.03</b>	<b>0.974</b>	<b>-.8552798</b>
c.timew1w3#c.w1HCYcenter2p15						
		<b>-.0355948</b>	<b>.0834829</b>	<b>-0.43</b>	<b>0.670</b>	<b>-.1992185</b>
_cons		<b>19.11006</b>	<b>.6902672</b>	<b>27.69</b>	<b>0.000</b>	<b>17.75702</b>
						<b>20.46309</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.2718964</b>	<b>.1660978</b>	<b>.082111</b>	<b>.9003377</b>
sd(_cons)	<b>3.960617</b>	<b>.1669625</b>	<b>3.646529</b>	<b>4.301759</b>
corr(timew1w3,_cons)	<b>-.1621108</b>	<b>.139543</b>	<b>-.4173152</b>	<b>.1167938</b>
sd(Residual)	<b>2.903764</b>	<b>.1739769</b>	<b>2.582023</b>	<b>3.265596</b>

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106 .
107 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4gobs==1 || HNDID: timew1w3, cov(un)

```

Multiple-imputation estimates  
Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations	=	5
Number of obs	=	2,717
Number of groups	=	1,443
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.
DF: min	=	0.00
avg	=	.
max	=	.
F( 43, 34454.5)	=	11.66
Prob > F	=	0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0154418	.0523343	0.30	0.768	-.0871319 .1180155
w1Agecent48	-.0075037	.0063202	-1.19	0.235	-.0198927 .0048852
c.timew1w3##c.w1Agecent48	-.0033136	.0012679	-2.61	0.009	-.0057988 -.0008283
timew1w3	0 (omitted)				
Sex					
Men	.1938288	.1118894	1.73	0.083	-.0254767 .4131343
Sex##c.timew1w3					
Men	-.0397974	.0222658	-1.79	0.074	-.0834387 .0038438
timew1w3	0 (omitted)				
Race					
AfrAm	-.2987563	.1115008	-2.68	0.007	-.5173602 -.0801525
Race##c.timew1w3					
AfrAm	-.0126047	.0220714	-0.57	0.568	-.0558639 .0306545
timew1w3	0 (omitted)				
PovStat					
Below	-.0921027	.1131675	-0.81	0.416	-.3139142 .1297088
PovStat##c.timew1w3					
Below	-.0204099	.0221563	-0.92	0.357	-.0638359 .023016
timew1w3	0 (omitted)				
w1edubr					
2	-.1109189	.2211903	-0.50	0.616	-.5444513 .3226135
3	.1648642	.240646	0.69	0.493	-.3068139 .6365423
w1edubr##c.timew1w3					
2	-.0012885	.0425408	-0.03	0.976	-.0846673 .0820902

	3		<b>- .0208677</b>	<b>.0467051</b>	<b>-0.45</b>	<b>0.655</b>	<b>-.1124094</b>	<b>.070674</b>
		timew1w3	0	(omitted)				
	w1WRATtotalcent42		<b>.1121673</b>	<b>.0075617</b>	<b>14.83</b>	<b>0.000</b>	<b>.0973449</b>	<b>.1269896</b>
c.timew1w3#c.w1WRATtotalcent42			<b>.0001278</b>	<b>.0014995</b>	<b>0.09</b>	<b>0.932</b>	<b>-.0028112</b>	<b>.0030669</b>
		timew1w3	0	(omitted)				
	1.w1smoke		<b>.1816876</b>	<b>.1229984</b>	<b>1.48</b>	<b>0.142</b>	<b>-.0618937</b>	<b>.4252689</b>
	w1smoke#c.timew1w3							
	1		<b>-.0124563</b>	<b>.0247334</b>	<b>-0.50</b>	<b>0.615</b>	<b>-.061015</b>	<b>.0361024</b>
		timew1w3	0	(omitted)				
	1.w1currdrugs		<b>.4070231</b>	<b>.1768597</b>	<b>2.30</b>	<b>0.031</b>	<b>.0402391</b>	<b>.7738072</b>
	w1currdrugs#c.timew1w3							
	1		<b>-.0063776</b>	<b>.0300812</b>	<b>-0.21</b>	<b>0.832</b>	<b>-.0655847</b>	<b>.0528295</b>
		timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43		<b>.0017769</b>	<b>.004711</b>	<b>0.38</b>	<b>0.706</b>	<b>-.0075142</b>	<b>.0110679</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0000775</b>	<b>.0011051</b>	<b>0.07</b>	<b>0.944</b>	<b>-.0021144</b>	<b>.0022693</b>
		timew1w3	0	(omitted)				
	w1BMIcon30		<b>-.0090744</b>	<b>.0078803</b>	<b>-1.15</b>	<b>0.250</b>	<b>-.0245324</b>	<b>.0063835</b>
c.timew1w3#c.w1BMIcon30			<b>-.0015159</b>	<b>.0015407</b>	<b>-0.98</b>	<b>0.325</b>	<b>-.0045361</b>	<b>.0015043</b>
		timew1w3	0	(omitted)				
	w1SRH							
	2		<b>-.0018032</b>	<b>.1442398</b>	<b>-0.01</b>	<b>0.990</b>	<b>-.284509</b>	<b>.2809026</b>
	3		<b>.0693489</b>	<b>.1560665</b>	<b>0.44</b>	<b>0.657</b>	<b>-.2365748</b>	<b>.3752726</b>
	w1SRH#c.timew1w3							
	2		<b>.025</b>	<b>.0291716</b>	<b>0.86</b>	<b>0.391</b>	<b>-.0321755</b>	<b>.0821755</b>
	3		<b>.0170323</b>	<b>.0314738</b>	<b>0.54</b>	<b>0.588</b>	<b>-.0446594</b>	<b>.0787239</b>
		timew1w3	0	(omitted)				
	w1CEScent15							
	timew1w3		<b>-.0043997</b>	<b>.0050465</b>	<b>-0.87</b>	<b>0.383</b>	<b>-.0142919</b>	<b>.0054926</b>
c.timew1w3#c.w1CEScent15			<b>.0000721</b>	<b>.0010243</b>	<b>0.07</b>	<b>0.944</b>	<b>-.001936</b>	<b>.0020801</b>
		timew1w3	0	(omitted)				
	w1dxHTN							
	Yes		<b>.0699791</b>	<b>.1196415</b>	<b>0.58</b>	<b>0.559</b>	<b>-.164538</b>	<b>.3044963</b>
	w1dxHTN#c.timew1w3							
	Yes		<b>-.0023215</b>	<b>.0247922</b>	<b>-0.09</b>	<b>0.925</b>	<b>-.0509319</b>	<b>.046289</b>
		timew1w3	0	(omitted)				
	w1dxDiabetes							
	preDiabetes		<b>-.0947269</b>	<b>.1394757</b>	<b>-0.68</b>	<b>0.497</b>	<b>-.368189</b>	<b>.1787353</b>
	Diabetes		<b>-.06588</b>	<b>.1680619</b>	<b>-0.39</b>	<b>0.695</b>	<b>-.3960606</b>	<b>.2643007</b>
	w1dxDiabetes#c.timew1w3							
	preDiabetes		<b>.0308009</b>	<b>.0281535</b>	<b>1.09</b>	<b>0.274</b>	<b>-.0243813</b>	<b>.0859831</b>
	Diabetes		<b>.0030641</b>	<b>.034733</b>	<b>0.09</b>	<b>0.930</b>	<b>-.065111</b>	<b>.0712392</b>
		timew1w3	0	(omitted)				

w1CVhighChol Yes		<b>-.0937623</b>	<b>.1341949</b>	<b>-0.70</b>	<b>0.486</b>	<b>-.3589507</b>	<b>.1714262</b>
w1CVhighChol#c.timew1w3 Yes		<b>.0100167</b>	<b>.0282008</b>	<b>0.36</b>	<b>0.723</b>	<b>-.0454251</b>	<b>.0654586</b>
timew1w3 1.w1cvdbr		<b>0</b> (omitted)	<b>-.1215945</b>	<b>.1450766</b>	<b>-0.84</b>	<b>0.402</b>	<b>-.4063116</b>
w1cvdbr#c.timew1w3 1		<b>-.0023737</b>	<b>.0301121</b>	<b>-0.08</b>	<b>0.937</b>	<b>-.0614078</b>	<b>.0566604</b>
timew1w3 invmillsmms		<b>0</b> (omitted)	<b>.0060082</b>	<b>.0034014</b>	<b>1.77</b>	<b>0.077</b>	<b>-.0006584</b>
c.timew1w3#c.invmillsmms		<b>-.0005437</b>	<b>.0006172</b>	<b>-0.88</b>	<b>0.378</b>	<b>-.0017533</b>	<b>.000666</b>
timew1w3 w1HCYcenter2p15		<b>0</b> (omitted)	<b>-.0435441</b>	<b>.1673291</b>	<b>-0.26</b>	<b>0.795</b>	<b>-.3715058</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.024152</b>	<b>.033657</b>	<b>-0.72</b>	<b>0.473</b>	<b>-.0901187</b>	<b>.0418148</b>
_cons		<b>7.224006</b>	<b>.2674421</b>	<b>27.01</b>	<b>0.000</b>	<b>6.699771</b>	<b>7.74824</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0176778</b>	.	.
sd(_cons)	<b>1.474208</b>	.	.
corr(timew1w3,_cons)	<b>.9999995</b>	.	.
sd(Residual)	<b>1.190935</b>	.	.

```

108 .
109 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4hobs==1 || HNDID: timew1w3, cov(un)

```

```

Multiple-imputation estimates
Mixed-effects ML regression
Imputations      =          5
Number of obs    =     2,704
Group variable: HNDID
Number of groups = 1,444
Obs per group:
min =           1
avg =           1.9
max =           2
Average RVI     =
Largest FMI     =
DF: min =       0.00
               avg =       .
               max =       .
DF adjustment: Large sample
Model F test:   Equal FMI
F( 43,29656.8) =      16.25
Prob > F        = 0.0000

```

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0260105</b>	.05495	-0.47	0.636	-.1337418 .0817208
w1Agecent48	<b>-.015606</b>	.0061678	-2.53	0.011	-.0276978 -.0035142
c.timew1w3#c.w1Agecent48	<b>-.0016124</b>	.0013065	-1.23	0.217	-.0041732 .0009483
timew1w3	0	(omitted)			
Sex Men	<b>-.0616368</b>	.1084402	-0.57	0.570	-.2741774 .1509038
Sex#c.timew1w3 Men	<b>-.0278157</b>	.0229833	-1.21	0.226	-.0728623 .0172309
timew1w3	0	(omitted)			
Race AfrAm	<b>-.5336583</b>	.1064526	-5.01	0.000	-.742302 -.3250145
Race#c.timew1w3 AfrAm	<b>-.0266582</b>	.0228306	-1.17	0.243	-.0714057 .0180894
timew1w3	0	(omitted)			
PovStat Below	<b>-.0979718</b>	.109999	-0.89	0.373	-.3135788 .1176353
PovStat#c.timew1w3 Below	<b>-.00189</b>	.0229308	-0.08	0.934	-.046834 .0430541
timew1w3	0	(omitted)			
w1edubr 2	<b>-.2195366</b>	.2142017	-1.02	0.305	-.6393664 .2002932
3	<b>.1234665</b>	.2331619	0.53	0.596	-.3335267 .5804597
w1edubr#c.timew1w3 2	<b>.057894</b>	.0440029	1.32	0.188	-.0283503 .1441383
3	<b>.0288522</b>	.0482259	0.60	0.550	-.0656689 .1233732
timew1w3	0	(omitted)			
w1WRATtotalcent42	<b>.1224482</b>	.0073092	16.75	0.000	.1081224 .136774
c.timew1w3#c.w1WRATtotalcent42	<b>-.0018577</b>	.0015577	-1.19	0.233	-.004911 .0011955
timew1w3 1.w1smoke	0	(omitted)			
w1smoke#c.timew1w3 1	<b>-.0086619</b>	.1238011	-0.07	0.944	-.254732 .2374082
timew1w3	0	(omitted)			
1.w1currdrugs	<b>.0951824</b>	.145725	0.65	0.515	-.1930469 .3834117
w1currdrugs#c.timew1w3 1	<b>.027545</b>	.0302833	0.91	0.363	-.0318963 .0869862
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	<b>-.0006721</b>	.0050919	-0.13	0.895	-.0108849 .0095407
c.timew1w3#c.w1hei2010_total_scorecent43	<b>.001086</b>	.0011737	0.93	0.358	-.0012569 .003429

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0036804</b>	<b>.0076039</b>	<b>-0.48</b>	<b>0.628</b>	<b>-.0185904</b>	<b>.0112297</b>
c.timew1w3#c.w1BMIcon30		<b>- .0028311</b>	<b>.001601</b>	<b>-1.77</b>	<b>0.077</b>	<b>-.00597</b>	<b>.0003077</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>- .002146</b>	<b>.1408634</b>	<b>-0.02</b>	<b>0.988</b>	<b>-.2782541</b>	<b>.2739621</b>
3		<b>.1153789</b>	<b>.1548257</b>	<b>0.75</b>	<b>0.456</b>	<b>-.1883963</b>	<b>.4191541</b>
w1SRH#c.timew1w3							
2		<b>- .0217127</b>	<b>.0301238</b>	<b>-0.72</b>	<b>0.471</b>	<b>-.0807555</b>	<b>.0373301</b>
3		<b>-.0249064</b>	<b>.0325478</b>	<b>-0.77</b>	<b>0.444</b>	<b>-.0887055</b>	<b>.0388927</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>- .0031576</b>	<b>.0048631</b>	<b>-0.65</b>	<b>0.516</b>	<b>-.0126892</b>	<b>.0063739</b>
c.timew1w3#c.w1CEScent15		<b>- .0009197</b>	<b>.0010447</b>	<b>-0.88</b>	<b>0.379</b>	<b>-.0029672</b>	<b>.0011278</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>- .0426834</b>	<b>.1176519</b>	<b>-0.36</b>	<b>0.717</b>	<b>-.273372</b>	<b>.1880053</b>
w1dxHTN#c.timew1w3							
Yes		<b>.0068317</b>	<b>.0254783</b>	<b>0.27</b>	<b>0.789</b>	<b>-.0431132</b>	<b>.0567766</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>.235152</b>	<b>.1344595</b>	<b>1.75</b>	<b>0.080</b>	<b>-.0283982</b>	<b>.4987021</b>
Diabetes		<b>-.1159615</b>	<b>.1703716</b>	<b>-0.68</b>	<b>0.497</b>	<b>-.4523768</b>	<b>.2204538</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0040754</b>	<b>.0291455</b>	<b>0.14</b>	<b>0.889</b>	<b>-.0530509</b>	<b>.0612017</b>
Diabetes		<b>-.0149601</b>	<b>.0355425</b>	<b>-0.42</b>	<b>0.674</b>	<b>-.0846756</b>	<b>.0547554</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>-.0676326</b>	<b>.1280155</b>	<b>-0.53</b>	<b>0.598</b>	<b>-.3192687</b>	<b>.1840035</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0275823</b>	<b>.0306533</b>	<b>0.90</b>	<b>0.370</b>	<b>-.0330962</b>	<b>.0882609</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>-.020973</b>	<b>.1878677</b>	<b>-0.11</b>	<b>0.912</b>	<b>-.414261</b>	<b>.372315</b>
w1cvdbr#c.timew1w3							
1		<b>.0289672</b>	<b>.0347729</b>	<b>0.83</b>	<b>0.407</b>	<b>-.0402242</b>	<b>.0981585</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.0050621</b>	<b>.0032925</b>	<b>1.54</b>	<b>0.124</b>	<b>-.0013911</b>	<b>.0115154</b>
c.timew1w3#c.invmillsmms		<b>-.0004055</b>	<b>.0006382</b>	<b>-0.64</b>	<b>0.525</b>	<b>-.0016562</b>	<b>.0008453</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>-.0284251</b>	<b>.162331</b>	<b>-0.18</b>	<b>0.861</b>	<b>-.3465928</b>	<b>.2897427</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0107348</b>	<b>.0347275</b>	<b>0.31</b>	<b>0.757</b>	<b>-.0573302</b>	<b>.0787999</b>

	<u>_cons</u>	<b>5.948069</b>	<b>.2624178</b>	<b>22.67</b>	<b>0.000</b>	<b>5.43351</b>	<b>6.462629</b>
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0047849</b>	.	.
sd(_cons)	<b>1.352497</b>	.	.
corr(timew1w3,_cons)	<b>-.9998785</b>	.	.
sd(Residual)	<b>1.235053</b>	.	.

110 .

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111 . mi estimate: mixed clock_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbl c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4iobs==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,767

Group variable: HNDID

Number of groups = 1,445

Obs per group:

min = 1  
avg = 1.9  
max = 2

Average RVI = 0.0506

Largest FMI = 0.2878

DF adjustment: Large sample

DF: min = 57.61

avg = 1665400.14

max = 4.65e+07

Model F test: Equal FMI

F( 43,58201.6) = 5.64

Prob &gt; F = 0.0000

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0640254</b>	<b>.0423336</b>	<b>-1.51</b>	<b>0.131</b>	<b>-.1470297</b> <b>.0189788</b>
w1Agecent48	<b>-.0032783</b>	<b>.0037804</b>	<b>-0.87</b>	<b>0.386</b>	<b>-.0106878</b> <b>.0041312</b>
c.timew1w3##c.w1Agecent48	<b>-.0009767</b>	<b>.001004</b>	<b>-0.97</b>	<b>0.331</b>	<b>-.0029447</b> <b>.0009913</b>
timew1w3	0	(omitted)			
Sex					
Men	<b>.083069</b>	<b>.0669231</b>	<b>1.24</b>	<b>0.215</b>	<b>-.048098</b> <b>.2142361</b>
Sex##c.timew1w3					
Men	<b>.0156064</b>	<b>.0175913</b>	<b>0.89</b>	<b>0.375</b>	<b>-.0188725</b> <b>.0500853</b>
timew1w3	0	(omitted)			
Race					
AfrAm	<b>-.3246047</b>	<b>.0661471</b>	<b>-4.91</b>	<b>0.000</b>	<b>-.4542509</b> <b>-.1949585</b>
Race##c.timew1w3					
AfrAm	<b>.0195209</b>	<b>.0175045</b>	<b>1.12</b>	<b>0.265</b>	<b>-.0147875</b> <b>.0538292</b>
timew1w3	0	(omitted)			

PovStat Below	.0687084	.068185	1.01	0.314	-.0649322	.2023491
PovStat#c.timew1w3 Below	-.0024105	.0175714	-0.14	0.891	-.0368499	.0320289
timew1w3	0 (omitted)					
w1edubr 2	-.0443511	.1360304	-0.33	0.744	-.3110437	.2223416
3	.144093	.1478273	0.97	0.330	-.1457112	.4338973
w1edubr#c.timew1w3 2	.0470764	.0343759	1.37	0.171	-.0203081	.1144609
3	.0581826	.0376808	1.54	0.123	-.0156802	.1320454
timew1w3 w1WRATtotalcent42	0 (omitted)					
c.timew1w3#c.w1WRATtotalcent42	.0273741	.004583	5.97	0.000	.0183906	.0363575
timew1w3 1.w1smoke	0 (omitted)					
- .0422109	.0751036	-0.56	0.575	-.1901206	.1056987	
w1smoke#c.timew1w3 1	.011991	.0198077	0.61	0.545	-.0269575	.0509395
timew1w3 1.w1currdrugs	0 (omitted)					
.3276191	.0933683	3.51	0.001	.1427789	.5124594	
w1currdrugs#c.timew1w3 1	-.0599265	.0225454	-2.66	0.008	-.1041268	-.0157262
timew1w3 w1hei2010_total_scorecent43	0 (omitted)					
.0022534	.0029908	0.75	0.452	-.003627	.0081338	
c.timew1w3#c.w1hei2010_total_scorecent43	.0004999	.0008438	0.59	0.554	-.0011653	.0021652
timew1w3 w1BMIcon30	0 (omitted)					
-.0052097	.0046867	-1.11	0.266	-.0143964	.003977	
c.timew1w3#c.w1BMIcon30	.0013122	.0012091	1.09	0.278	-.0010576	.003682
timew1w3	0 (omitted)					
w1SRH 2	.1577928	.087272	1.81	0.071	-.0132587	.3288444
3	-.0221234	.0939684	-0.24	0.814	-.2063011	.1620543
w1SRH#c.timew1w3 2	.0053878	.0230447	0.23	0.815	-.0397792	.0505547
3	.0189502	.0247107	0.77	0.443	-.029483	.0673834
timew1w3 w1CEScent15	0 (omitted)					
-.0068367	.0030496	-2.24	0.025	-.0128142	-.0008592	
c.timew1w3#c.w1CEScent15	.0007271	.0008051	0.90	0.366	-.0008511	.0023054
timew1w3	0 (omitted)					
w1dxHTN Yes	.0678521	.0749115	0.91	0.365	-.0791669	.214871

w1dxHTN#c.timew1w3						
Yes		<b>-.0376079</b>	<b>.0195086</b>	<b>-1.93</b>	<b>0.054</b>	<b>-.0758545</b>
timew1w3		<b>0</b>	(omitted)			
w1dxDiabetes						
preDiabetes		<b>-.0614374</b>	<b>.0847708</b>	<b>-0.72</b>	<b>0.469</b>	<b>-.2276323</b>
Diabetes		<b>.0618319</b>	<b>.109367</b>	<b>0.57</b>	<b>0.573</b>	<b>-.155149</b>
w1dxDiabetes#c.timew1w3						
preDiabetes		<b>.0190253</b>	<b>.0223199</b>	<b>0.85</b>	<b>0.394</b>	<b>-.0247262</b>
Diabetes		<b>-.0479438</b>	<b>.0274248</b>	<b>-1.75</b>	<b>0.081</b>	<b>-.1017973</b>
timew1w3		<b>0</b>	(omitted)			
w1CVhighChol						
Yes		<b>-.0655729</b>	<b>.090093</b>	<b>-0.73</b>	<b>0.470</b>	<b>-.2459393</b>
w1CVhighChol#c.timew1w3						
Yes		<b>.0085489</b>	<b>.0224128</b>	<b>0.38</b>	<b>0.703</b>	<b>-.0355511</b>
timew1w3		<b>0</b>	(omitted)			
1.w1cvdbr		<b>-.0866034</b>	<b>.0920161</b>	<b>-0.94</b>	<b>0.347</b>	<b>-.2673287</b>
w1cvdbr#c.timew1w3						
1		<b>.0011695</b>	<b>.0258651</b>	<b>0.05</b>	<b>0.964</b>	<b>-.0500094</b>
timew1w3		<b>0</b>	(omitted)			
invmillsmms		<b>.0008671</b>	<b>.0020697</b>	<b>0.42</b>	<b>0.675</b>	<b>-.0031893</b>
c.timew1w3#c.invmillsmms						
		<b>-.0002885</b>	<b>.0004963</b>	<b>-0.58</b>	<b>0.561</b>	<b>-.0012613</b>
timew1w3		<b>0</b>	(omitted)			
w1HCYcenter2p15		<b>-.0592195</b>	<b>.1002064</b>	<b>-0.59</b>	<b>0.555</b>	<b>-.2556212</b>
c.timew1w3#c.w1HCYcenter2p15						
		<b>-.0399516</b>	<b>.0263513</b>	<b>-1.52</b>	<b>0.129</b>	<b>-.0915994</b>
_cons		<b>8.79003</b>	<b>.1634879</b>	<b>53.77</b>	<b>0.000</b>	<b>8.469524</b>
						<b>9.110535</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0408356</b>	<b>.0928246</b>	<b>.0004744</b>	<b>3.515078</b>
sd(_cons)	<b>.6262476</b>	<b>.0748052</b>	<b>.49553</b>	<b>.7914477</b>
corr(timew1w3,_cons)	<b>-.0739963</b>	<b>.6006735</b>	<b>-.8504882</b>	<b>.803939</b>
sd(Residual)	<b>.9599082</b>	<b>.0451729</b>	<b>.8753314</b>	<b>1.052657</b>

```

112 .
113 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4jobs==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Imputations      =      5
Number of obs    =  2,701

Group variable: HNDID
Number of groups  =  1,428
Obs per group:
min =      1
avg =     1.9
max =      2
Average RVI      =  0.0477
Largest FMI      =  0.3434
DF: min          =  41.04
      avg          = 1.09e+07
      max          = 3.69e+08
DF adjustment: Large sample
Model F test: Equal FMI
F( 43,67245.5) = 11.66
Prob > F          = 0.0000

```

	LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0074777	.01112	0.67	0.501	.0143179	.0292733
w1Agecent48	.01032	.0011625	8.88	0.000	.0080415	.0125985
c.timew1w3#c.w1Agecent48	.0005179	.0002629	1.97	0.049	2.64e-06	.0010331
timew1w3	0	(omitted)				
Sex						
Men	.0904034	.0206518	4.38	0.000	.0499265	.1308802
Sex#c.timew1w3						
Men	.003215	.0046317	0.69	0.488	-.005863	.012293
timew1w3	0	(omitted)				
Race						
AfrAm	.1621085	.0203517	7.97	0.000	.1222198	.2019972
Race#c.timew1w3						
AfrAm	-.0010483	.0045994	-0.23	0.820	-.0100629	.0079664
timew1w3	0	(omitted)				
PovStat						
Below	.0509901	.0209945	2.43	0.015	.0098416	.0921386
PovStat#c.timew1w3						
Below	.0000605	.0046228	0.01	0.990	-.009	.0091211
timew1w3	0	(omitted)				
w1edubr						
2	-.0606167	.0421745	-1.44	0.151	-.1433094	.022076
3	-.049683	.0459067	-1.08	0.279	-.1397078	.0403418
w1edubr#c.timew1w3						
2	-.0067211	.0090839	-0.74	0.459	-.0245273	.0110851

	3		<b>- .0093823</b>	<b>.0099576</b>	<b>-0.94</b>	<b>0.346</b>	<b>-.0289015</b>	<b>.010137</b>
		timew1w3	0	(omitted)				
	w1WRATTtotalcent42		<b>- .007191</b>	<b>.0014223</b>	<b>-5.06</b>	<b>0.000</b>	<b>-.0099786</b>	<b>-.0044033</b>
c.timew1w3#c.w1WRATTtotalcent42			<b>- .000471</b>	<b>.0003179</b>	<b>-1.48</b>	<b>0.138</b>	<b>-.0010942</b>	<b>.0001521</b>
		timew1w3	0	(omitted)				
	1.w1smoke		<b>- .0045088</b>	<b>.0232317</b>	<b>-0.19</b>	<b>0.846</b>	<b>-.0504352</b>	<b>.0414177</b>
	w1smoke#c.timew1w3							
	1		<b>.0023825</b>	<b>.0050666</b>	<b>0.47</b>	<b>0.638</b>	<b>-.007551</b>	<b>.0123161</b>
		timew1w3	0	(omitted)				
	1.w1currdrugs		<b>.042527</b>	<b>.0269226</b>	<b>1.58</b>	<b>0.115</b>	<b>-.0104188</b>	<b>.0954727</b>
	w1currdrugs#c.timew1w3							
	1		<b>- .0053532</b>	<b>.0061263</b>	<b>-0.87</b>	<b>0.383</b>	<b>-.0173812</b>	<b>.0066749</b>
		timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43		<b>.0002619</b>	<b>.0010137</b>	<b>0.26</b>	<b>0.797</b>	<b>-.0017853</b>	<b>.0023091</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0001318</b>	<b>.0002287</b>	<b>0.58</b>	<b>0.565</b>	<b>-.0003207</b>	<b>.0005843</b>
		timew1w3	0	(omitted)				
	w1BMIcon30		<b>.0015543</b>	<b>.0014532</b>	<b>1.07</b>	<b>0.285</b>	<b>-.0012951</b>	<b>.0044037</b>
c.timew1w3#c.w1BMIcon30			<b>- .0004234</b>	<b>.0003174</b>	<b>-1.33</b>	<b>0.182</b>	<b>-.0010455</b>	<b>.0001988</b>
		timew1w3	0	(omitted)				
	w1SRH							
	2		<b>-.0738416</b>	<b>.0269528</b>	<b>-2.74</b>	<b>0.006</b>	<b>-.1266682</b>	<b>-.0210151</b>
	3		<b>-.0584355</b>	<b>.0290027</b>	<b>-2.01</b>	<b>0.044</b>	<b>-.11528</b>	<b>-.0015909</b>
	w1SRH#c.timew1w3							
	2		<b>.0002605</b>	<b>.0061431</b>	<b>0.04</b>	<b>0.966</b>	<b>-.0117798</b>	<b>.0123008</b>
	3		<b>-.0026496</b>	<b>.0065788</b>	<b>-0.40</b>	<b>0.687</b>	<b>-.015544</b>	<b>.0102448</b>
		timew1w3	0	(omitted)				
	w1CEScent15							
	timew1w3		<b>.0016691</b>	<b>.0009379</b>	<b>1.78</b>	<b>0.075</b>	<b>-.0001692</b>	<b>.0035073</b>
c.timew1w3#c.w1CEScent15			<b>.0003401</b>	<b>.0002116</b>	<b>1.61</b>	<b>0.108</b>	<b>-.0000746</b>	<b>.0007548</b>
		timew1w3	0	(omitted)				
	w1dxHTN							
	Yes		<b>-.0172815</b>	<b>.0232649</b>	<b>-0.74</b>	<b>0.458</b>	<b>-.0630112</b>	<b>.0284482</b>
	w1dxHTN#c.timew1w3							
	Yes		<b>.006032</b>	<b>.0051704</b>	<b>1.17</b>	<b>0.243</b>	<b>-.0041053</b>	<b>.0161693</b>
		timew1w3	0	(omitted)				
	w1dxDiabetes							
	preDiabetes		<b>.0188086</b>	<b>.0264785</b>	<b>0.71</b>	<b>0.478</b>	<b>-.0331458</b>	<b>.070763</b>
	Diabetes		<b>.039532</b>	<b>.032845</b>	<b>1.20</b>	<b>0.231</b>	<b>-.0253764</b>	<b>.1044404</b>
	w1dxDiabetes#c.timew1w3							
	preDiabetes		<b>.0028624</b>	<b>.0058838</b>	<b>0.49</b>	<b>0.627</b>	<b>-.00867</b>	<b>.0143948</b>
	Diabetes		<b>-.0027876</b>	<b>.0070161</b>	<b>-0.40</b>	<b>0.691</b>	<b>-.0165389</b>	<b>.0109638</b>
		timew1w3	0	(omitted)				

w1CVhighChol Yes		<b>- .0202507</b>	<b>.0279145</b>	<b>-0.73</b>	<b>0.472</b>	<b>-.0764783</b>	<b>.0359769</b>
w1CVhighChol#c.timew1w3 Yes		<b>.0057243</b>	<b>.0058574</b>	<b>0.98</b>	<b>0.329</b>	<b>-.0057829</b>	<b>.0172314</b>
timew1w3 1.w1cvdbr		<b>0</b> <i>(omitted)</i>	<b>.0137183</b>	<b>.0279637</b>	<b>0.49</b>	<b>0.624</b>	<b>-.0412407</b>
w1cvdbr#c.timew1w3 1		<b>.0036413</b>	<b>.0066709</b>	<b>0.55</b>	<b>0.586</b>	<b>-.0095154</b>	<b>.0167979</b>
timew1w3 invmillsmms		<b>0</b> <i>(omitted)</i>	<b>.0003628</b>	<b>.0006246</b>	<b>0.58</b>	<b>0.561</b>	<b>-.0008614</b>
c.timew1w3#c.invmillsmms		<b>-.0001496</b>	<b>.0001281</b>	<b>-1.17</b>	<b>0.243</b>	<b>-.0004005</b>	<b>.0001014</b>
timew1w3 w1HCYcenter2p15		<b>0</b> <i>(omitted)</i>	<b>.0814171</b>	<b>.0309188</b>	<b>2.63</b>	<b>0.008</b>	<b>.0208172</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0105026</b>	<b>.0070451</b>	<b>-1.49</b>	<b>0.136</b>	<b>-.0243107</b>	<b>.0033056</b>
_cons		<b>3.413278</b>	<b>.0510237</b>	<b>66.90</b>	<b>0.000</b>	<b>3.313212</b>	<b>3.513345</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.0204902</b>	<b>.0064948</b>	<b>.0110089</b>	<b>.0381374</b>
sd(_cons)	<b>.2523287</b>	<b>.0077537</b>	<b>.2375803</b>	<b>.2679926</b>
sd(Residual)	<b>.2386058</b>	<b>.0076156</b>	<b>.2241367</b>	<b>.2540089</b>

114 .

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115 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4kobs==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,609
Group variable: HNDID	Number of groups	=	1,414
	Obs per group:		
	min	=	1
	avg	=	1.8
	max	=	2
DF adjustment: Large sample	Average RVI	=	0.0480
	Largest FMI	=	0.2990
	DF: min	=	53.55
	avg	=	1828584.94
	max	=	6.94e+07
Model F test: Equal FMI	F( 43, 64811.2)	=	19.62
	Prob > F	=	0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0097362	.0174703	0.56	0.577	-.0245298 .0440021
w1Agecent48	.0151695	.001912	7.93	0.000	.011422 .018917
c.timew1w3#c.w1Agecent48	.0005799	.0003977	1.46	0.145	-.0001997 .0013594
timew1w3	0	(omitted)			
Sex Men	.0653515	.0341095	1.92	0.055	-.0015031 .132206
Sex#c.timew1w3 Men	-.0028977	.0070286	-0.41	0.680	-.0166739 .0108785
timew1w3	0	(omitted)			
Race AfrAm	.3342215	.0335801	9.95	0.000	.2684056 .4000375
Race#c.timew1w3 AfrAm	-.0008035	.0070047	-0.11	0.909	-.0145325 .0129254
timew1w3	0	(omitted)			
PovStat Below	.098482	.034682	2.84	0.005	.0305058 .1664582
PovStat#c.timew1w3 Below	.0008845	.0070947	0.12	0.901	-.0130214 .0147904
timew1w3	0	(omitted)			
w1edubr 2	-.1125547	.0685708	-1.64	0.101	-.2469537 .0218443
3	-.193983	.07405	-2.62	0.009	-.3391186 -.0488475
w1edubr#c.timew1w3 2	-.0057327	.0141545	-0.41	0.685	-.0334794 .0220141
3	-.006685	.015327	-0.44	0.663	-.0367293 .0233592
timew1w3	0	(omitted)			
w1WRATtotalcent42	-.0249993	.0023668	-10.56	0.000	-.0296383 -.0203602
c.timew1w3#c.w1WRATtotalcent42	-.0000723	.0005024	-0.14	0.886	-.001057 .0009125
timew1w3	0	(omitted)			
1.w1smoke	-.0117345	.0386377	-0.30	0.762	-.0883468 .0648779
w1smoke#c.timew1w3 1	.0080946	.0082936	0.98	0.331	-.0082894 .0244786
timew1w3	0	(omitted)			
1.w1currdrugs	-.0267103	.0462984	-0.58	0.565	-.1184519 .0650314
w1currdrugs#c.timew1w3 1	-.0045412	.0097507	-0.47	0.642	-.0237842 .0147017
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	.0009341	.0014402	0.65	0.517	-.0018992 .0037674
c.timew1w3#c.w1hei2010_total_scorecent43	-.0001152	.0003711	-0.31	0.757	-.0008593 .0006289

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0010039</b>	<b>.0023519</b>	<b>-0.43</b>	<b>0.669</b>	<b>- .0056135</b>	<b>.0036057</b>
c.timew1w3#c.w1BMIcon30		<b>- .0006141</b>	<b>.0004841</b>	<b>-1.27</b>	<b>0.205</b>	<b>- .001563</b>	<b>.0003349</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>-.1416507</b>	<b>.0448151</b>	<b>-3.16</b>	<b>0.002</b>	<b>- .2294969</b>	<b>- .0538045</b>
3		<b>-.0877324</b>	<b>.048342</b>	<b>-1.81</b>	<b>0.070</b>	<b>- .1825021</b>	<b>.0070372</b>
w1SRH#c.timew1w3							
2		<b>.0022444</b>	<b>.0094678</b>	<b>0.24</b>	<b>0.813</b>	<b>- .0163136</b>	<b>.0208024</b>
3		<b>-.002294</b>	<b>.0102905</b>	<b>-0.22</b>	<b>0.824</b>	<b>- .0224707</b>	<b>.0178827</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>.0067882</b>	<b>.0015853</b>	<b>4.28</b>	<b>0.000</b>	<b>.0036775</b>	<b>.0098989</b>
c.timew1w3#c.w1CEScent15		<b>- .0000635</b>	<b>.0003262</b>	<b>-0.19</b>	<b>0.846</b>	<b>- .0007029</b>	<b>.0005758</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.0248732</b>	<b>.0371799</b>	<b>0.67</b>	<b>0.504</b>	<b>- .0480585</b>	<b>.0978048</b>
w1dxHTN#c.timew1w3							
Yes		<b>-.0016894</b>	<b>.0077178</b>	<b>-0.22</b>	<b>0.827</b>	<b>- .016816</b>	<b>.0134372</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>.0679263</b>	<b>.0425771</b>	<b>1.60</b>	<b>0.111</b>	<b>- .0155425</b>	<b>.151395</b>
Diabetes		<b>.103417</b>	<b>.0520061</b>	<b>1.99</b>	<b>0.048</b>	<b>.0011232</b>	<b>.2057108</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>-.0112444</b>	<b>.0088895</b>	<b>-1.26</b>	<b>0.206</b>	<b>- .0286676</b>	<b>.0061789</b>
Diabetes		<b>.0018573</b>	<b>.0109515</b>	<b>0.17</b>	<b>0.865</b>	<b>- .0196207</b>	<b>.0233354</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>-.0008261</b>	<b>.0404381</b>	<b>-0.02</b>	<b>0.984</b>	<b>- .0803513</b>	<b>.0786992</b>
w1CVhighChol#c.timew1w3							
Yes		<b>-.0024396</b>	<b>.0085011</b>	<b>-0.29</b>	<b>0.774</b>	<b>- .0191015</b>	<b>.0142222</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>-.0652358</b>	<b>.044644</b>	<b>-1.46</b>	<b>0.144</b>	<b>- .1527983</b>	<b>.0223267</b>
w1cvdbr#c.timew1w3							
1		<b>.0161116</b>	<b>.0094278</b>	<b>1.71</b>	<b>0.087</b>	<b>- .0023692</b>	<b>.0345925</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>-.0024417</b>	<b>.0010287</b>	<b>-2.37</b>	<b>0.018</b>	<b>- .004458</b>	<b>- .0004254</b>
c.timew1w3#c.invmillsmms		<b>-.0002603</b>	<b>.0004681</b>	<b>-0.56</b>	<b>0.578</b>	<b>- .0011778</b>	<b>.0006571</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>.0374862</b>	<b>.0510613</b>	<b>0.73</b>	<b>0.463</b>	<b>- .0625929</b>	<b>.1375654</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0107464</b>	<b>.0105014</b>	<b>1.02</b>	<b>0.306</b>	<b>- .0098364</b>	<b>.0313291</b>

_cons	4.560934	.0834385	54.66	0.000	4.397351	4.724517
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.0641559	.0122728	.0440949	.0933436
sd(_cons)	.4894892	.0212158	.4496209	.5328927
corr(timew1w3,_cons)	-.4804518	.0447838	-.5633235	-.3880097
sd(Residual)	.2938573	.0281152	.2436053	.3544755

```

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

119 .
120 . *****
121 .
122 .
123 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
124 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,546
Number of groups = 824
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI = 0.0000
Largest FMI = 0.0000
DF: min = 1.31e+54
        avg = 2.74e+61
        max = .
F( 11, 2.5e+64) = 12.79
Prob > F = 0.0000

```

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0214435	.0218152	-0.98	0.326	-.0642006 .0213136
w1Agecent48	-.0194668	.0068792	-2.83	0.005	-.0329498 -.0059839
c.timew1w3#c.w1Agecent48	-.0033658	.0013902	-2.42	0.015	-.0060906 -.000641
timew1w3	0	(omitted)			
Sex					
Women	0	(omitted)			
Sex#c.timew1w3					
Women	0	(omitted)			
timew1w3	0	(omitted)			
Race					

AfrAm	<b>- .9068624</b>	.12789	<b>-7.09</b>	<b>0.000</b>	<b>-1.157522</b>	<b>-.6562026</b>
Race#c.timew1w3						
AfrAm	<b>.0362518</b>	.0258068	<b>1.40</b>	<b>0.160</b>	<b>-.0143286</b>	<b>.0868323</b>
timew1w3		<b>0</b> (omitted)				
PovStat						
Below	<b>-.4349457</b>	.1307928	<b>-3.33</b>	<b>0.001</b>	<b>-.6912948</b>	<b>-.1785967</b>
PovStat#c.timew1w3						
Below	<b>-.0327725</b>	.0258233	<b>-1.27</b>	<b>0.204</b>	<b>-.0833852</b>	<b>.0178403</b>
timew1w3		<b>0</b> (omitted)				
invmillsmms	<b>.0114887</b>	.0034001	<b>3.38</b>	<b>0.001</b>	<b>.0048247</b>	<b>.0181527</b>
c.timew1w3#c.invmillsmms	<b>-.0019353</b>	.0006149	<b>-3.15</b>	<b>0.002</b>	<b>-.0031404</b>	<b>-.0007301</b>
timew1w3		<b>0</b> (omitted)				
w1HCYcenter2p15	<b>-.1808008</b>	.2139404	<b>-0.85</b>	<b>0.398</b>	<b>-.6001164</b>	<b>.2385147</b>
c.timew1w3#c.w1HCYcenter2p15	<b>.0293531</b>	.043456	<b>0.68</b>	<b>0.499</b>	<b>-.0558192</b>	<b>.1145253</b>
_cons	<b>28.66372</b>	.1041679	<b>275.17</b>	<b>0.000</b>	<b>28.45955</b>	<b>28.86788</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0739185</b>	.0158761	<b>.0485214</b>	<b>.112609</b>
sd(_cons)	<b>1.404907</b>	.05933	<b>1.293305</b>	<b>1.52614</b>
corr(timew1w3,_cons)	<b>-.9999999</b>	.0003086	<b>-1</b>	<b>1</b>
sd(Residual)	<b>1.113069</b>	.0310534	<b>1.053839</b>	<b>1.175627</b>

```

125 .
126 .
127 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,546
Number of groups = 824
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI = .
    Largest FMI = .
DF: min = 0.00
    avg = .
    max = .
F( 11, 1.6e+64) = 14.39
Prob > F = 0.0000

```

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.304452</b>	.1868653	-1.63	0.103	-.6707013	.0617974
w1Agecent48	<b>-.1501203</b>	.0539346	-2.78	0.005	-.2558302	-.0444104
c.timew1w3#c.w1Agecent48	<b>-.0285588</b>	.0118937	-2.40	0.016	-.0518699	-.0052476
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	<b>-8.169433</b>	1.002755	-8.15	0.000	-10.1348	-6.204069
Race#c.timew1w3						
AfrAm	<b>.3280968</b>	.2207716	1.49	0.137	-.1046076	.7608012
timew1w3	0	(omitted)				
PovStat						
Below	<b>-3.376239</b>	1.025846	-3.29	0.001	-5.38686	-1.365619
PovStat#c.timew1w3						
Below	<b>-.2950649</b>	.2207833	-1.34	0.181	-.7277923	.1376624
timew1w3	0	(omitted)				
invmillsmms	<b>.065968</b>	.02667	2.47	0.013	.0136957	.1182403
c.timew1w3#c.invmillsmms	<b>-.0092667</b>	.0052489	-1.77	0.077	-.0195542	.0010209
timew1w3	0	(omitted)				
w1HCYcenter2p15	<b>-1.862613</b>	1.677772	-1.11	0.267	-5.150986	1.425761
c.timew1w3#c.w1HCYcenter2p15	<b>.2159128</b>	.3718032	0.58	0.561	-.512808	.9446336
_cons	<b>84.00545</b>	.8160878	102.94	0.000	82.40594	85.60495

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	<b>.4269827</b>	.	.	.	.
sd(_cons)	<b>10.23134</b>	.	.	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.	.	.
sd(Residual)	<b>9.641998</b>	.	.	.	.

```

128 .
129 .
130 .
131 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4bobs==1 & Sex==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Imputations      =      5
Number of obs    = 1,440

Group variable: HNDID
Number of groups  =     824
Obs per group:
min =           1
avg =          1.7
max =          2
Average RVI      =  0.0000
Largest FMI      =  0.0000
DF: min          = 2.90e+56
      avg          = 2.11e+63
      max          =
Model F test: Equal FMI
F( 11, 5.3e+65) =   60.59
Prob > F          = 0.0000

```

	cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-1.190574	.084791	-14.04	0.000	-1.356761	-1.024386
w1Agecent48	-.1625138	.0259111	-6.27	0.000	-.2132986	-.111729
c.timew1w3#c.w1Agecent48	-.002822	.0051695	-0.55	0.585	-.012954	.0073101
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	-3.34132	.483109	-6.92	0.000	-4.288196	-2.394444
Race#c.timew1w3						
AfrAm	.1147801	.0968458	1.19	0.236	-.0750342	.3045944
timew1w3	0	(omitted)				
PovStat						
Below	-1.935004	.4867214	-3.98	0.000	-2.88896	-.9810472
PovStat#c.timew1w3						
Below	.08309	.0948694	0.88	0.381	-.1028506	.2690306
timew1w3	0	(omitted)				
invmillsmms	.0269419	.0120836	2.23	0.026	.0032586	.0506253
c.timew1w3#c.invmillsmms	.0006587	.0021237	0.31	0.756	-.0035036	.004821
timew1w3	0	(omitted)				
w1HCYcenter2p15	.8566253	.7959865	1.08	0.282	-.7034796	2.41673

c.timew1w3#c.w1HCYcenter2p15	<b>-.0738621</b>	<b>.1623828</b>	<b>-0.45</b>	<b>0.649</b>	<b>-.3921266</b>	<b>.2444024</b>
_cons	<b>28.53753</b>	<b>.4013832</b>	<b>71.10</b>	<b>0.000</b>	<b>27.75083</b>	<b>29.32423</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.2926041</b>	<b>.1747534</b>	<b>.0907639</b>	<b>.9432952</b>
sd(_cons)	<b>5.103083</b>	<b>.180067</b>	<b>4.762085</b>	<b>5.468498</b>
sd(Residual)	<b>3.808253</b>	<b>.1807146</b>	<b>3.470031</b>	<b>4.179441</b>

132 .

133 .

134 .

135 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4cobs==1 & Sex==1 || HNDID: timew1w3

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,370
Group variable: HNDID	Number of groups	=	813
	Obs per group:		
	min	=	1
	avg	=	1.7
	max	=	2
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF: min	=	3.07e+64
	avg	=	2.76e+69
	max	=	.
Model F test: Equal FMI	F( 11, 1.5e+67)	=	38.91
	Prob > F	=	0.0000

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.3716206</b>	<b>.0407434</b>	<b>-9.12</b>	<b>0.000</b>	<b>-.4514761</b>	<b>-.2917651</b>
w1Agecent48	<b>-.0800301</b>	<b>.0122283</b>	<b>-6.54</b>	<b>0.000</b>	<b>-.1039972</b>	<b>-.0560631</b>
c.timew1w3#c.w1Agecent48	<b>-.0017912</b>	<b>.0024857</b>	<b>-0.72</b>	<b>0.471</b>	<b>-.006663</b>	<b>.0030806</b>
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	<b>-1.798443</b>	<b>.2267047</b>	<b>-7.93</b>	<b>0.000</b>	<b>-2.242776</b>	<b>-1.35411</b>
Race#c.timew1w3						
AfrAm	<b>.0210924</b>	<b>.0460893</b>	<b>0.46</b>	<b>0.647</b>	<b>-.069241</b>	<b>.1114258</b>
timew1w3	0	(omitted)				

PovStat Below	<b>-.7434953</b>	<b>.2283379</b>	<b>-3.26</b>	<b>0.001</b>	<b>-1.191029</b>	<b>-.2959612</b>
PovStat#c.timew1w3 Below	<b>-.0068637</b>	<b>.0450266</b>	<b>-0.15</b>	<b>0.879</b>	<b>-.0951144</b>	<b>.0813869</b>
timew1w3 invmillsmms	<b>0</b> <b>.0115489</b>	<b>(omitted)</b> <b>.005606</b>	<b>2.06</b>	<b>0.039</b>	<b>.0005612</b>	<b>.0225365</b>
c.timew1w3#c.invmillsmms	<b>-.0000107</b>	<b>.0009711</b>	<b>-0.01</b>	<b>0.991</b>	<b>-.001914</b>	<b>.0018926</b>
timew1w3 w1HCYcenter2p15	<b>0</b> <b>.4441062</b>	<b>(omitted)</b> <b>.3742492</b>	<b>1.19</b>	<b>0.235</b>	<b>-.2894088</b>	<b>1.177621</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0487993</b>	<b>.0775278</b>	<b>-0.63</b>	<b>0.529</b>	<b>-.200751</b>	<b>.1031523</b>
_cons	<b>9.19264</b>	<b>.1889462</b>	<b>48.65</b>	<b>0.000</b>	<b>8.822312</b>	<b>9.562967</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>5.99e-07</b>	<b>.0002778</b>	<b>0</b>	<b>.</b>
sd(_cons)	<b>2.339217</b>	<b>.084782</b>	<b>2.178812</b>	<b>2.511431</b>
sd(Residual)	<b>1.803765</b>	<b>.0543976</b>	<b>1.700238</b>	<b>1.913597</b>

```

136 .
137 .
138 .
139 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,603
Number of groups = 835
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI = 0.0000
Largest FMI = 0.0000
DF: min = 2.73e+60
        avg = 2.73e+60
        max = .
F( 11, ____.) = 27.21
Prob > F = 0.0000

```

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.2435672	.0566707	4.30	0.000	.1324947 .3546397
w1Agecent48	.1192455	.0179002	6.66	0.000	.0841618 .1543293
c.timew1w3#c.w1Agecent48	.0058061	.0036494	1.59	0.112	-.0013466 .0129589
timew1w3	0	(omitted)			
Sex					
Women	0	(omitted)			
Sex#c.timew1w3					
Women	0	(omitted)			
timew1w3	0	(omitted)			
Race					
AfrAm	1.475719	.331292	4.45	0.000	.8263986 2.125039
Race#c.timew1w3					
AfrAm	.1629884	.0675789	2.41	0.016	.0305363 .2954406
timew1w3	0	(omitted)			
PovStat					
Below	1.444949	.3389244	4.26	0.000	.7806696 2.109229
PovStat#c.timew1w3					
Below	.0561373	.0681392	0.82	0.410	-.077413 .1896876
timew1w3	0	(omitted)			
invmillsmms	-.0217938	.0088316	-2.47	0.014	-.0391034 -.0044843
c.timew1w3#c.invmillsmms	-.0003329	.0016656	-0.20	0.842	-.0035974 .0029316
timew1w3	0	(omitted)			
w1HCYcenter2p15	.6764834	.5537542	1.22	0.222	-.4088548 1.761822
c.timew1w3#c.w1HCYcenter2p15	-.004743	.1138006	-0.04	0.967	-.227788 .218302
_cons	5.496286	.2706469	20.31	0.000	4.965828 6.026744

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.6452906	.0902759	.4905379 .8488638
sd(_cons)	4.156504	.1891218	3.801879 4.544206
corr(timew1w3,_cons)	-.4316498	.0502646	-.5248414 -.328233
sd(Residual)	2.097984	.2779925	1.618132 2.720134

```

140 .
141 .
142 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4eobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Imputations      =      5
Number of obs    = 1,448

Group variable: HNDID
Number of groups =     821
Obs per group:
min =           1
avg =          1.8
max =          2
Average RVI      = 0.0000
Largest FMI      = 0.0000
DF: min = 1.02e+61
        avg = 1.02e+61
        max =
Model F test: Equal FMI
F( 11,      .) = 11.02
Prob > F = 0.0000

```

	Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-.0733571</b>	.0286824	-2.56	0.011	-.1295735 -.0171407
	w1Agecent48	<b>-.0270591</b>	.0084773	-3.19	0.001	-.0436742 -.0104439
c.timew1w3#c.w1Agecent48		<b>-.0015515</b>	.0018133	-0.86	0.392	-.0051055 .0020026
	timew1w3	0	(omitted)			
	Sex					
	Women	0	(omitted)			
	Sex#c.timew1w3					
	Women	0	(omitted)			
	timew1w3	0	(omitted)			
	Race					
	AfrAm	<b>-1.068064</b>	.1567038	-6.82	0.000	-1.375197 -.76093
Race#c.timew1w3						
	AfrAm	<b>.0386753</b>	.0333936	1.16	0.247	-.0267749 .1041255
	timew1w3	0	(omitted)			
	PovStat					
	Below	<b>-.7044484</b>	.1594755	-4.42	0.000	-1.017015 -.3918823
PovStat#c.timew1w3						
	Below	<b>-.0160387</b>	.0331605	-0.48	0.629	-.0810321 .0489547
	timew1w3	0	(omitted)			
	invmillsmms	<b>.0017617</b>	.0039696	0.44	0.657	-.0060186 .009542
c.timew1w3#c.invmillsmms		<b>-.0008407</b>	.0007565	-1.11	0.266	-.0023233 .0006419
	timew1w3	0	(omitted)			
	w1HCYcenter2p15	<b>.1581426</b>	.277463	0.57	0.569	-.3856748 .70196
c.timew1w3#c.w1HCYcenter2p15		<b>-.0246282</b>	.0591018	-0.42	0.677	-.1404656 .0912092

_cons	<b>7.749885</b>	<b>.1290857</b>	<b>60.04</b>	<b>0.000</b>	<b>7.496882</b>	<b>8.002888</b>
-------	-----------------	-----------------	--------------	--------------	-----------------	-----------------

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.0860019</b>	<b>.1764524</b>	<b>.001542</b>	<b>4.796672</b>
sd(_cons)	<b>1.575869</b>	<b>.135389</b>	<b>1.33165</b>	<b>1.864877</b>
corr(timew1w3,_cons)	<b>.006194</b>	<b>.6000335</b>	<b>-.8242385</b>	<b>.8281702</b>
sd(Residual)	<b>1.370372</b>	<b>.1301347</b>	<b>1.137642</b>	<b>1.650711</b>

143 .

```
144 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4fobs==1 & Sex==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,606
Group variable: HNDID		
Number of groups	=	833
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0000
Largest FMI	=	0.0000
DF adjustment: Large sample	DF:	min = 1.31e+61 avg = 1.31e+61 max = .
Model F test: Equal FMI	F( 11, 9.3e+63 )	= 10.59
	Prob > F	= 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>.0843945</b>	<b>.0563658</b>	<b>1.50</b>	<b>0.134</b>	<b>-.0260805</b>	<b>.1948694</b>
w1Agecent48	<b>-.0668848</b>	<b>.0192305</b>	<b>-3.48</b>	<b>0.001</b>	<b>-.1045758</b>	<b>-.0291938</b>
c.timew1w3#c.w1Agecent48	<b>-.001885</b>	<b>.0035833</b>	<b>-0.53</b>	<b>0.599</b>	<b>-.0089081</b>	<b>.0051381</b>
timew1w3		0 (omitted)				
Sex						
Women		0 (omitted)				
Sex#c.timew1w3						
Women		0 (omitted)				
timew1w3		0 (omitted)				
Race						
AfrAm	<b>-2.310819</b>	<b>.3572731</b>	<b>-6.47</b>	<b>0.000</b>	<b>-3.011061</b>	<b>-1.610576</b>
Race#c.timew1w3						
AfrAm	<b>-.0425277</b>	<b>.0666057</b>	<b>-0.64</b>	<b>0.523</b>	<b>-.1730724</b>	<b>.0880171</b>
timew1w3		0 (omitted)				
PovStat						

	Below	<b>-1.683174</b>	.3655544	-4.60	0.000	-2.399648	-.9667009	
PovStat#c.timew1w3	Below	<b>.0111463</b>	.0666041	0.17	0.867	-.1193954	.141688	
timew1w3	invmillsmms	0 (omitted)	.01361	.0095355	1.43	0.153	-.0050792	.0322993
c.timew1w3#c.invmillsmms		<b>-.0021783</b>	.0016106	-1.35	0.176	-.005335	.0009784	
timew1w3	w1HCYcenter2p15	0 (omitted)	<b>-1.142577</b>	.5966269	-1.92	0.055	-2.311944	.02679
c.timew1w3#c.w1HCYcenter2p15		<b>.0828017</b>	.1127255	0.73	0.463	-.1381361	.3037396	
	_cons	<b>20.44285</b>	.2910212	70.25	0.000	19.87246	21.01324	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.347372</b>	.145988	.1524283	.7916336
sd(_cons)	<b>4.219884</b>	.1961382	3.852451	4.622362
corr(timew1w3,_cons)	<b>-.1827878</b>	.1257943	-.4135947	.0700942
sd(Residual)	<b>2.731525</b>	.2102546	2.349012	3.176325

145 .

146 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4gobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,573
Group variable: HNDID	Number of groups	= 830
	Obs per group:	
	min	= 1
	avg	= 1.9
	max	= 2
	Average RVI	= .
	Largest FMI	= .
DF adjustment: Large sample	DF:	min = 0.00
	avg	= .
	max	= .
Model F test: Equal FMI	F( 11, .)	= 5.41
	Prob > F	= 0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>.0024558</b>	.0227061	0.11	0.914	-.0420474	.046959
w1Agecent48	<b>-.00746</b>	.007873	-0.95	0.343	-.0228909	.0079709
c.timew1w3#c.w1Agecent48	<b>-.0033378</b>	.0014389	-2.32	0.020	-.0061581	-.0005175
timew1w3	0 (omitted)					
Sex						
Women	0 (omitted)					

Sex#c.timew1w3						
Women		0	(omitted)			
timew1w3		0	(omitted)			
Race						
AfrAm	-.7172441	.1458534	-4.92	0.000	-1.003112	-.4313768
Race#c.timew1w3						
AfrAm	.0035342	.0267489	0.13	0.895	-.0488927	.0559612
timew1w3		0	(omitted)			
PovStat						
Below	-.4443765	.1488202	-2.99	0.003	-.7360588	-.1526942
PovStat#c.timew1w3						
Below	-.0027745	.0266651	-0.10	0.917	-.0550372	.0494882
timew1w3		0	(omitted)			
invmillsmms	.0076797	.0038912	1.97	0.048	.000053	.0153063
c.timew1w3#c.invmillsmms						
	-.0006859	.0006367	-1.08	0.281	-.0019338	.0005621
timew1w3		0	(omitted)			
w1HCYcenter2p15	-.1010999	.2451249	-0.41	0.680	-.5815358	.379336
c.timew1w3#c.w1HCYcenter2p15						
	-.0492477	.0462009	-1.07	0.286	-.1397999	.0413045
_cons	7.815013	.1191055	65.61	0.000	7.581571	8.048455

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.0235842	.	.
sd(_cons)	1.677756	.	.
corr(timew1w3,_cons)	.8008506	.	.
sd(Residual)	1.180857	.	.

147 .

148 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4hobs==1 & Sex==1 || HNDID: timew1w3

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,569

Group variable: HNDID

Number of groups	=	831
Obs per group:		

min =	1
avg =	1.9
max =	2

Average RVI	=	0.0000
Largest FMI	=	0.0000

DF adjustment: Large sample

DF:	min	=	2.36e+59
	avg	=	8.59e+68
	max	=	.

Model F test: Equal FMI

F(	11, 5.0e+65)	=	9.30
Prob > F	=	0.0000	

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.0097557</b>	.0236629	<b>-0.41</b>	<b>0.680</b>	<b>-.0561342</b>	<b>.0366229</b>
w1Agecent48	<b>-.0178984</b>	.0078061	<b>-2.29</b>	<b>0.022</b>	<b>-.0331982</b>	<b>-.0025987</b>
c.timew1w3#c.w1Agecent48	<b>-.000569</b>	.0015027	<b>-0.38</b>	<b>0.705</b>	<b>-.0035143</b>	<b>.0023764</b>
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	<b>-1.046829</b>	.1443923	<b>-7.25</b>	<b>0.000</b>	<b>-1.329833</b>	<b>-.7638254</b>
Race#c.timew1w3						
AfrAm	<b>.0011984</b>	.0278504	<b>0.04</b>	<b>0.966</b>	<b>-.0533874</b>	<b>.0557841</b>
timew1w3	0	(omitted)				
PovStat						
Below	<b>-.6003143</b>	.1473526	<b>-4.07</b>	<b>0.000</b>	<b>-.8891202</b>	<b>-.3115084</b>
PovStat#c.timew1w3						
Below	<b>.0183437</b>	.0277375	<b>0.66</b>	<b>0.508</b>	<b>-.0360207</b>	<b>.0727081</b>
timew1w3	0	(omitted)				
invmillsmms	<b>.0069642</b>	.003847	<b>1.81</b>	<b>0.070</b>	<b>-.0005758</b>	<b>.0145041</b>
c.timew1w3#c.invmillsmms	<b>-.000092</b>	.0006642	<b>-0.14</b>	<b>0.890</b>	<b>-.0013937</b>	<b>.0012098</b>
timew1w3	0	(omitted)				
w1HCYcenter2p15	<b>-.1825279</b>	.243341	<b>-0.75</b>	<b>0.453</b>	<b>-.6594675</b>	<b>.2944116</b>
c.timew1w3#c.w1HCYcenter2p15	<b>.0199415</b>	.047995	<b>0.42</b>	<b>0.678</b>	<b>-.074127</b>	<b>.11401</b>
_cons	<b>6.493041</b>	.1177323	<b>55.15</b>	<b>0.000</b>	<b>6.26229</b>	<b>6.723792</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>1.18e-06</b>	.0004099	<b>1.1e-301</b>	<b>1.3e+289</b>
sd(_cons)	<b>1.608865</b>	.0539219	<b>1.506577</b>	<b>1.718098</b>
sd(Residual)	<b>1.2348</b>	.0321594	<b>1.173351</b>	<b>1.299468</b>

149 .

```
150 . mi estimate: mixed clock_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4iobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample

Model F test: Equal FMI
```

Imputations = 5  
Number of obs = 1,608

Number of groups = 835  
Obs per group:

min =	1
avg =	1.9
max =	2

Average RVI = 0.0000  
Largest FMI = 0.0000  
DF: min = 8.18e+67  
avg = 8.18e+67  
max = .

F( 11, 4.1e+70) = 6.40  
Prob > F = 0.0000

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0159945	.0180043	-0.89	0.374	-.0512824 .0192934
w1Agecent48	-.0015403	.0044911	-0.34	0.732	-.0103427 .0072622
c.timew1w3#c.w1Agecent48	-.001818	.0011484	-1.58	0.113	-.0040688 .0004327
timew1w3	0 (omitted)				
Sex					
Women	0 (omitted)				
Sex#c.timew1w3	0 (omitted)				
Women	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	-.4293164	.0834035	-5.15	0.000	-.5927843 -.2658486
Race#c.timew1w3	.0118871	.0212908	0.56	0.577	-.0298422 .0536164
AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	-.2512046	.0855626	-2.94	0.003	-.4189042 -.083505
PovStat#c.timew1w3	-.0120248	.0213428	-0.56	0.573	-.0538558 .0298062
Below	0 (omitted)				
timew1w3	0 (omitted)				
invmillsmms	-.0002393	.0022327	-0.11	0.915	-.0046153 .0041367
c.timew1w3#c.invmillsmms	-.0000209	.0005213	-0.04	0.968	-.0010427 .0010009
timew1w3	0 (omitted)				
w1HCYcenter2p15	-.2086699	.1395308	-1.50	0.135	-.4821451 .0648054
c.timew1w3#c.w1HCYcenter2p15	-.0271055	.0361524	-0.75	0.453	-.0979628 .0437518

<u>_cons</u>	<b>9.097337</b>	.067869	134.04	0.000	8.964317	9.230358
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	.1151482	.0387957	.0594936	.222866	
sd(_cons)	.7813094	.072748	.6509796	.9377319	
corr(timew1w3,_cons)	-.2979915	.1498718	-.5578342	.0150543	
sd(Residual)	<b>.8801137</b>	<b>.057387</b>	<b>.7745278</b>	<b>1.000093</b>	

```

151 .
152 . mi estimate: mixed LnTrailsAttestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4jobs==1 & Sex==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,585
Number of groups = 830
Obs per group:
min = 1
avg = 1.9
max = 2
Average RVI = 0.0000
Largest FMI = 0.0000
DF: min = .
avg = .
max = .
F( 11, .) = 18.79
Prob > F = 0.0000

```

LnTrailsAttestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.003254</b>	<b>.0046989</b>	<b>-0.69</b>	<b>0.489</b>	<b>-.0124637</b>	<b>.0059556</b>
w1Agecent48	<b>.0102183</b>	<b>.0013024</b>	<b>7.85</b>	<b>0.000</b>	<b>.0076656</b>	<b>.012771</b>
c.timew1w3#c.w1Agecent48	<b>.0006532</b>	<b>.0003</b>	<b>2.18</b>	<b>0.029</b>	<b>.0000651</b>	<b>.0012412</b>
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	<b>.1600326</b>	<b>.0241404</b>	<b>6.63</b>	<b>0.000</b>	<b>.1127182</b>	<b>.207347</b>
Race#c.timew1w3						
AfrAm	<b>.0049077</b>	<b>.0055702</b>	<b>0.88</b>	<b>0.378</b>	<b>-.0060097</b>	<b>.015825</b>
timew1w3	0	(omitted)				
PovStat						
Below	<b>.0889035</b>	<b>.0247977</b>	<b>3.59</b>	<b>0.000</b>	<b>.0403009</b>	<b>.1375061</b>

PovStat#c.timew1w3 Below	.0060594	.0055939	1.08	0.279	-.0049045	.0170232
timew1w3 invmillsmmms	0 (omitted) -.0005153	.0006403	-0.80	0.421	-.0017703	.0007397
c.timew1w3#c.invmillsmmms	-.0001175	.0001343	-0.87	0.382	-.0003807	.0001457
timew1w3 w1HCYcenter2p15	0 (omitted) .1098292	.0402544	2.73	0.006	.030932	.1887263
c.timew1w3#c.w1HCYcenter2p15	-.0194837	.009433	-2.07	0.039	-.037972	-.0009954
_cons	3.294056	.0195891	168.16	0.000	3.255662	3.33245

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0293531	.0060554	.019591	.0439797
sd(_cons)	.2496127	.0097698	.2311803	.2695147
sd(Residual)	.2271921	.0099147	.2085675	.2474797

```

153 .
154 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4kobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,529

Number of groups = 824
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI = 0.0000
Largest FMI = 0.0000
DF: min = 1.04e+62
        avg = 3.91e+62
        max = .
F( 11, 4.6e+64) = 22.20
Prob > F = 0.0000

```

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0017769	.0074216	0.24	0.811	-.0127692	.016323
w1Agecent48	.0157435	.0024411	6.45	0.000	.010959	.0205281
c.timew1w3#c.w1Agecent48	.0009038	.000479	1.89	0.059	-.0000351	.0018427
timew1w3	0 (omitted)					
Sex						
Women	0 (omitted)					
Sex#c.timew1w3						
Women	0 (omitted)					

	timew1w3	0 (omitted)					
Race							
AfrAm	.4346477	.0452599	9.60	0.000	.34594	.5233555	
Race#c.timew1w3							
AfrAm	-.0022288	.008866	-0.25	0.802	-.0196058	.0151481	
timew1w3		0 (omitted)					
PovStat							
Below	.1926604	.0465014	4.14	0.000	.1015194	.2838015	
PovStat#c.timew1w3							
Below	.0102959	.0091129	1.13	0.259	-.007565	.0281568	
timew1w3		0 (omitted)					
invmillsmms	-.0036699	.0011982	-3.06	0.002	-.0060184	-.0013214	
c.timew1w3#c.invmillsmms	-.0010033	.0016413	-0.61	0.541	-.0042202	.0022137	
timew1w3		0 (omitted)					
w1HCYcenter2p15	.0068832	.0754074	0.09	0.927	-.1409126	.154679	
c.timew1w3#c.w1HCYcenter2p15	-.000864	.0149139	-0.06	0.954	-.0300947	.0283666	
_cons	4.226112	.0367629	114.96	0.000	4.154058	4.298166	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.0629903	.0201289	.0336719	.1178363
sd(_cons)	.5447061	.0306324	.4878581	.6081784
corr(timew1w3,_cons)	-.4541493	.0647447	-.571526	-.3185608
sd(Residual)	.3197996	.0419963	.247228	.413674

```

155 .
156 .
157 . save, replace
      file finaldata_imputed_FINAL.dta saved

158 .
159 .
160 .
161 . //MODEL 2: MODEL 1 + BODY MASS INDEX///
162 .

```

```
163 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Sex==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
Number of obs = 1,546

Number of groups = 824  
Obs per group:

Average RVI = .  
Largest FMI = .  
DF: min = 0.00  
avg = .  
max = .

F( 25, 57835.2) = 22.76  
Prob > F = 0.0000

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.052415	.0553218	0.95	0.343	-.0560144 .1608444
w1Agecent48	-.0132714	.0060345	-2.20	0.028	-.0250999 -.001443
c.timew1w3#c.w1Agecent48	-.0036744	.0014173	-2.59	0.010	-.0064525 -.0008963
timew1w3	0 (omitted)				
Sex					
Women	0 (omitted)				
Sex#c.timew1w3					
Women	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	-.396961	.1137853	-3.49	0.000	-.6199766 -.1739454
Race#c.timew1w3					
AfrAm	.0129932	.0269124	0.48	0.629	-.0397553 .0657416
timew1w3	0 (omitted)				
PovStat					
Below	-.0557964	.1146849	-0.49	0.627	-.2805751 .1689823
PovStat#c.timew1w3					
Below	-.0382141	.0263718	-1.45	0.147	-.089902 .0134738
timew1w3	0 (omitted)				
w1edubr					
2	.5921513	.2278832	2.60	0.009	.1455028 1.0388
3	.6499208	.2467303	2.63	0.008	.1663062 1.133535
w1edubr#c.timew1w3					
2	-.0665456	.0533137	-1.25	0.212	-.1710407 .0379495
3	-.0286879	.0575882	-0.50	0.618	-.1415726 .0841968

	timew1w3	0	(omitted)				
w1WRATtotalcent42		.1315848	.008318	15.82	0.000	.1152818	.1478879
c.timew1w3#c.w1WRATtotalcent42		-.0064994	.0021261	-3.06	0.002	-.0106676	-.0023312
	timew1w3	0	(omitted)				
1.w1smoke		-.0378966	.1265027	-0.30	0.765	-.286759	.2109658
w1smoke#c.timew1w3							
1		-.0301076	.0296197	-1.02	0.310	-.0882255	.0280103
	timew1w3	0	(omitted)				
1.w1currdrugs		-.067684	.1627831	-0.42	0.678	-.3869439	.2515759
w1currdrugs#c.timew1w3							
1		.0176131	.0393344	0.45	0.655	-.0597389	.094965
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		-.0021896	.0055624	-0.39	0.695	-.0133438	.0089646
c.timew1w3#c.w1hei2010_total_scorecent43		-.0001765	.0013988	-0.13	0.900	-.0029935	.0026405
	timew1w3	0	(omitted)				
w1BMIcon30		-.0100004	.0067905	-1.47	0.141	-.0233131	.0033123
c.timew1w3#c.w1BMIcon30							
	timew1w3	0	(omitted)				
invmillsmms		.0102285	.0028749	3.56	0.000	.0045938	.0158632
c.timew1w3#c.invmillsmms							
	timew1w3	0	(omitted)				
w1HCYcenter2p15		-.0671889	.1831786	-0.37	0.714	-.4262176	.2918398
c.timew1w3#c.w1HCYcenter2p15							
	_cons	27.57058	.2329906	118.33	0.000	27.11392	28.02723

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.0490808	.	.
sd(_cons)	1.030047	.	.
corr(timew1w3,_cons)	-1	.	.
sd(Residual)	<b>1.101714</b>	.	.

```

164 .
165 .
166 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,546
Number of groups = 824
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI =
    Largest FMI =
    DF: min = 0.00
    avg =
    max =
F( 25, 71179.1) = 21.17
Prob > F = 0.0000

```

	MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.114759	.4748275	0.24	0.809	.8158915	1.045409
w1Agecent48	-.1152685	.0487899	-2.36	0.018	-.2109027	-.0196343
c.timew1w3#c.w1Agecent48	-.0306148	.0121777	-2.51	0.012	-.0544856	-.0067439
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	-4.59997	.9202342	-5.00	0.000	-6.403598	-2.796341
Race#c.timew1w3						
AfrAm	.1899864	.230612	0.82	0.410	-.2620094	.6419822
timew1w3	0	(omitted)				
PovStat						
Below	-.3897393	.9296317	-0.42	0.675	-2.2118	1.432322
PovStat#c.timew1w3						
Below	-.3083802	.2264412	-1.36	0.173	-.7521979	.1354376
timew1w3	0	(omitted)				
w1edubr						
2	4.104476	1.844797	2.22	0.026	.4886906	7.720261
3	5.323475	1.997522	2.67	0.008	1.408141	9.238809
w1edubr#c.timew1w3						
2	-.5197525	.4568632	-1.14	0.255	-1.415197	.3756915

	3	<b>- .0902097</b>	<b>.494087</b>	<b>-0.18</b>	<b>0.855</b>	<b>-1.058718</b>	<b>.8782982</b>
	timew1w3	<b>0</b>	(omitted)				
	w1WRATTtotalcent42	<b>.9215067</b>	<b>.0673016</b>	<b>13.69</b>	<b>0.000</b>	<b>.789597</b>	<b>1.053416</b>
c.timew1w3#c.w1WRATTtotalcent42		<b>- .0418799</b>	<b>.0182232</b>	<b>-2.30</b>	<b>0.022</b>	<b>-.0776039</b>	<b>-.0061559</b>
	timew1w3	<b>0</b>	(omitted)				
	1.w1smoke	<b>-1.087296</b>	<b>.996412</b>	<b>-1.09</b>	<b>0.275</b>	<b>-3.041871</b>	<b>.867279</b>
	w1smoke#c.timew1w3						
	1	<b>- .092217</b>	<b>.2526285</b>	<b>-0.37</b>	<b>0.715</b>	<b>-.5877665</b>	<b>.4033325</b>
	timew1w3	<b>0</b>	(omitted)				
	1.w1currdrugs	<b>-.5193996</b>	<b>1.305946</b>	<b>-0.40</b>	<b>0.691</b>	<b>-3.079395</b>	<b>2.040595</b>
	w1currdrugs#c.timew1w3						
	1	<b>.1291841</b>	<b>.3389619</b>	<b>0.38</b>	<b>0.703</b>	<b>-.5378865</b>	<b>.7962547</b>
	timew1w3	<b>0</b>	(omitted)				
	w1hei2010_total_scorecent43	<b>-.0074162</b>	<b>.0426215</b>	<b>-0.17</b>	<b>0.862</b>	<b>-.0917533</b>	<b>.076921</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0011559</b>	<b>.0122435</b>	<b>0.09</b>	<b>0.925</b>	<b>-.0236432</b>	<b>.0259549</b>
	timew1w3	<b>0</b>	(omitted)				
	w1BMIcon30	<b>-.06572</b>	<b>.0544007</b>	<b>-1.21</b>	<b>0.227</b>	<b>-.1723469</b>	<b>.0409068</b>
c.timew1w3#c.w1BMIcon30		<b>.0035206</b>	<b>.0133718</b>	<b>0.26</b>	<b>0.792</b>	<b>-.0226902</b>	<b>.0297314</b>
	timew1w3	<b>0</b>	(omitted)				
	invmillsmms	<b>.0559794</b>	<b>.0232715</b>	<b>2.41</b>	<b>0.016</b>	<b>.0103682</b>	<b>.1015906</b>
c.timew1w3#c.invmillsmms		<b>-.009174</b>	<b>.0051757</b>	<b>-1.77</b>	<b>0.076</b>	<b>-.0193181</b>	<b>.0009701</b>
	timew1w3	<b>0</b>	(omitted)				
	w1HCYcenter2p15	<b>-.8726396</b>	<b>1.481437</b>	<b>-0.59</b>	<b>0.556</b>	<b>-3.776234</b>	<b>2.030954</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.1460157</b>	<b>.3711057</b>	<b>0.39</b>	<b>0.694</b>	<b>-.5813576</b>	<b>.873389</b>
	_cons	<b>76.28792</b>	<b>1.891257</b>	<b>40.34</b>	<b>0.000</b>	<b>72.58107</b>	<b>79.99476</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	<b>.2765698</b>	.	.
sd(_cons)	<b>7.649596</b>	.	.
corr(timew1w3,_cons)	<b>-.9999995</b>	.	.
<b>sd(Residual)</b>	<b>9.51587</b>	.	.

```

167 .
168 .
169 .
170 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4bobs==1 & Sex==1 || HNDID: timew1w3

Multiple-imputation estimates           Imputations      =       5
Mixed-effects ML regression            Number of obs   =  1,440

Group variable: HNDID                Number of groups =     824
                                         Obs per group:
                                         min =        1
                                         avg =      1.7
                                         max =        2
                                         Average RVI =    0.0610
                                         Largest FMI =  0.2577
DF adjustment: Large sample          DF:   min =    71.16
                                         avg = 167,391.73
                                         max = 1444381.12
Model F test: Equal FMI             F( 25, 21988.0) =    32.16
                                         Prob > F = 0.0000

```

	cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		-1.255023	.1963457	-6.39	0.000	-1.639872 -.8701746
w1Agecent48		-.1713346	.0248068	-6.91	0.000	-.2199577 -.1227115
c.timew1w3#c.w1Agecent48		.0000546	.0054193	0.01	0.992	-.0105708 .01068
timew1w3		0	(omitted)			
Sex						
Women		0	(omitted)			
Sex#c.timew1w3						
Women		0	(omitted)			
timew1w3		0	(omitted)			
Race						
AfrAm		-2.429269	.4728502	-5.14	0.000	-3.356085 -1.502453
Race#c.timew1w3						
AfrAm		.1153442	.1021559	1.13	0.259	-.0848912 .3155797
timew1w3		0	(omitted)			
PovStat						
Below		-.5418588	.4731742	-1.15	0.252	-1.469297 .3855797
PovStat#c.timew1w3						
Below		.0538742	.0997298	0.54	0.589	-.1415933 .2493417
timew1w3		0	(omitted)			
w1edubr						
2		-.8026568	.9351147	-0.86	0.391	-2.637788 1.032474
3		1.257261	1.008513	1.25	0.213	-.7214848 3.236006
w1edubr#c.timew1w3						

	2	.1223933	.1841018	0.66	0.506	-.2384426	.4832292
	3	.0536628	.2027144	0.26	0.791	-.3436561	.4509817
timew1w3		0 (omitted)					
w1WRATtotalcent42		.2714127	.0342532	7.92	0.000	.2042765	.338549
c.timew1w3#c.w1WRATtotalcent42		-.0067625	.0073438	-0.92	0.357	-.0211565	.0076315
timew1w3		0 (omitted)					
1.w1smoke		-.2700664	.5353361	-0.50	0.615	-1.332973	.7928406
w1smoke#c.timew1w3							
1		-.091124	.1199199	-0.76	0.449	-.3288523	.1466043
timew1w3		0 (omitted)					
1.w1currdrugs		-.5109266	.7041092	-0.73	0.469	-1.903448	.881595
w1currdrugs#c.timew1w3							
1		.2005739	.1549701	1.29	0.198	-.1055995	.5067473
timew1w3		0 (omitted)					
w1hei2010_total_scorecent43		.0475821	.0224664	2.12	0.038	.0027871	.0923771
c.timew1w3#c.w1hei2010_total_scorecent43		-.0059783	.0048428	-1.23	0.218	-.0155104	.0035539
timew1w3		0 (omitted)					
w1BMIcon30		-.0075006	.0276411	-0.27	0.786	-.0616787	.0466775
c.timew1w3#c.w1BMIcon30		-.0043177	.0058377	-0.74	0.460	-.0157594	.007124
timew1w3		0 (omitted)					
invmillsmms		.0226527	.0111588	2.03	0.042	.0007817	.0445236
c.timew1w3#c.invmillsmms		.0009957	.002138	0.47	0.641	-.0031947	.0051862
timew1w3		0 (omitted)					
w1HCYcenter2p15		1.257074	.7439763	1.69	0.091	-.2010944	2.715242
c.timew1w3#c.w1HCYcenter2p15		-.0716992	.1634889	-0.44	0.661	-.392135	.2487366
_cons		27.40593	.9706395	28.23	0.000	25.50071	29.31116

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Independent					
sd(timew1w3)	.3581206	.1363804	.1697571	.7554934	
sd(_cons)	4.495365	.1736073	4.167655	4.848843	
sd(Residual)	3.736027	.1753643	3.407638	4.096063	

```

171 .
172 .
173 .
174 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4cobs==1 & Sex==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,370
Number of groups = 813
Obs per group:
    min = 1
    avg = 1.7
    max = 2
    Average RVI = 0.0535
    Largest FMI = 0.2530
DF: min = 73.66
    avg = 665,702.04
    max = 9873269.07
F( 25, 27562.8) = 21.55
Prob > F = 0.0000

```

	CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		-.3643751	.0914902	-3.98	0.000	-.5437052 -.1850449
w1Agecent48		-.0823262	.0120072	-6.86	0.000	-.1058603 -.058792
c.timew1w3#c.w1Agecent48		-.0013823	.0026027	-0.53	0.595	-.0064855 .0037209
timew1w3		0	(omitted)			
Sex						
Women		0	(omitted)			
Sex#c.timew1w3						
Women		0	(omitted)			
timew1w3		0	(omitted)			
Race						
AfrAm		-1.484427	.2276137	-6.52	0.000	-1.930572 -1.038281
Race#c.timew1w3						
AfrAm		.023284	.048591	0.48	0.632	-.0719683 .1185363
timew1w3		0	(omitted)			
PovStat						
Below		-.198895	.2276784	-0.87	0.382	-.6451434 .2473534
PovStat#c.timew1w3						
Below		-.0120711	.0470314	-0.26	0.797	-.104251 .0801087
timew1w3		0	(omitted)			
w1edubr						
2		-.1704353	.4387339	-0.39	0.698	-1.030374 .6895033
3		.6248604	.4740609	1.32	0.187	-.3043176 1.554038
w1edubr#c.timew1w3						

		.03949	.085596	0.46	0.645	-.1282798	.2072597
	2	.0264959	.0940291	0.28	0.778	-.1577996	.2107913
	3	0 (omitted)					
	timew1w3						
w1WRATtotalcent42		.1108348	.0165365	6.70	0.000	.0784208	.1432487
c.timew1w3#c.w1WRATtotalcent42		-.005069	.0034673	-1.46	0.144	-.0118648	.0017268
	timew1w3						
1.w1smoke		0 (omitted)					
w1smoke#c.timew1w3							
1		-.1370751	.2472054	-0.55	0.580	-.6238364	.3496861
	timew1w3						
1.w1currdrugs		-.0422045	.0560071	-0.75	0.452	-.1528836	.0684746
w1currdrugs#c.timew1w3							
1		0 (omitted)					
	.2074355	.3247759	0.64	0.523	-.4300651	.8449362	
	timew1w3						
w1hei2010_total_scorecent43		0 (omitted)					
c.timew1w3#c.w1hei2010_total_scorecent43		.0189035	.010297	1.84	0.068	-.0013965	.0392036
	timew1w3						
w1BMIcon30		-.0025724	.0023564	-1.09	0.277	-.0072282	.0020833
c.timew1w3#c.w1BMIcon30		0 (omitted)					
	.0255742	.0133199	1.92	0.055	-.0005326	.051681	
	timew1w3						
invmillsmms		-.0039343	.0027889	-1.41	0.158	-.0094005	.0015318
c.timew1w3#c.invmillsmms		0 (omitted)					
	.0102031	.005318	1.92	0.055	-.00022	.0206261	
	timew1w3						
w1HCYcenter2p15		-.0001103	.0009721	-0.11	0.910	-.0020156	.0017949
c.timew1w3#c.w1HCYcenter2p15		0 (omitted)					
	.5905714	.359331	1.64	0.100	-.1137079	1.294851	
	_cons	8.559911	.4549421	18.82	0.000	7.668179	9.451643

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0542925	.3057539	8.73e-07	3376.092
sd(_cons)	2.144906	.0828085	1.988589	2.313511
sd(Residual)	1.779871	.0813222	1.62741	1.946614

```

175 .
176 .
177 .
178 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,603
Number of groups = 835
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI = 0.0439
    Largest FMI = 0.2506
    DF: min = 75.04
        avg = 529,099.47
        max = 7081942.30
    F( 25, 37813.6) = 19.52
    Prob > F = 0.0000

```

	BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.5022837	.1456414	3.45	0.001	.2168276	.7877398
w1Agecent48	.1125959	.017486	6.44	0.000	.0783233	.1468684
c.timew1w3#c.w1Agecent48	.0065262	.0038037	1.72	0.086	-.0009295	.0139819
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	.7959932	.3289151	2.42	0.016	.1513265	1.44066
Race#c.timew1w3						
AfrAm	.148557	.0711716	2.09	0.037	.0090618	.2880523
timew1w3	0	(omitted)				
PovStat						
Below	.6854356	.3345667	2.05	0.040	.0296894	1.341182
PovStat#c.timew1w3						
Below	.0094024	.0712137	0.13	0.895	-.1301741	.1489788
timew1w3	0	(omitted)				
w1edubr						
2	-.7422658	.678942	-1.09	0.275	-2.074386	.5898543
3	-1.375369	.7436573	-1.85	0.065	-2.836071	.0853329
w1edubr#c.timew1w3						

		2	-.2378772	.1396222	-1.70	0.088	-.5115317	.0357772
		3	-.2929705	.1524717	-1.92	0.055	-.5918242	.0058832
	timew1w3		0	(omitted)				
	w1WRATtotalcent42		-.1909177	.0244607	-7.81	0.000	-.2388807	-.1429546
c.timew1w3#c.w1WRATtotalcent42			-.0003545	.0051697	-0.07	0.945	-.0104872	.0097783
	timew1w3		0	(omitted)				
	1.w1smoke		.2217032	.3509377	0.63	0.528	-.4664685	.9098749
	w1smoke#c.timew1w3							
	1		-.0029837	.0786738	-0.04	0.970	-.1572355	.1512682
	timew1w3		0	(omitted)				
	1.w1currdrugs		.0787127	.4909439	0.16	0.873	-.8882935	1.045719
	w1currdrugs#c.timew1w3							
	1		.090381	.1079958	0.84	0.403	-.1222103	.3029723
	timew1w3		0	(omitted)				
	w1hei2010_total_scorecent43		-.0070741	.0153316	-0.46	0.646	-.0376159	.0234676
c.timew1w3#c.w1hei2010_total_scorecent43			-.003228	.0034131	-0.95	0.346	-.0099621	.0035062
	timew1w3		0	(omitted)				
	w1BMIcon30		-.0040165	.0194683	-0.21	0.837	-.0421741	.0341412
c.timew1w3#c.w1BMIcon30			-.0002645	.0042315	-0.06	0.950	-.0085584	.0080294
	timew1w3		0	(omitted)				
	invmillsmms		-.0194831	.0083577	-2.33	0.020	-.0358638	-.0031024
c.timew1w3#c.invmillsmms			-.0002264	.0016699	-0.14	0.892	-.0034993	.0030466
	timew1w3		0	(omitted)				
	w1HCYcenter2p15		.4607375	.5297061	0.87	0.384	-.5774732	1.498948
c.timew1w3#c.w1HCYcenter2p15			-.0316539	.1152357	-0.27	0.784	-.2575137	.1942059
	_cons		7.194327	.6987833	10.30	0.000	5.822937	8.565717

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	.6366242	.0868511	.4872543	.8317841	
sd(_cons)	3.838264	.1895101	3.484236	4.228265	
corr(timew1w3,_cons)	-.4992316	.0455174	-.5830763	-.4048643	
sd(Residual)	2.116561	.2624643	1.659881	2.698886	

```

179 .
180 .
181 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4eobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,448
Number of groups = 821
Obs per group:
    min = 1
    avg = 1.8
    max = 2
Average RVI = 0.0334
Largest FMI = 0.3526
DF: min = 39.01
      avg = 672,575.33
      max = 7340982.71
F( 25,62564.2) = 10.59
Prob > F = 0.0000

```

	Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		<b>- .1272108</b>	<b>.07046</b>	<b>-1.81</b>	<b>0.071</b>	<b>-.2653123</b> <b>.0108908</b>
w1Agecent48		<b>- .0212417</b>	<b>.008401</b>	<b>-2.53</b>	<b>0.011</b>	<b>-.0377078</b> <b>-.0047756</b>
c.timew1w3#c.w1Agecent48		<b>- .0017595</b>	<b>.0018616</b>	<b>-0.95</b>	<b>0.345</b>	<b>-.0054083</b> <b>.0018893</b>
timew1w3		0	(omitted)			
Sex						
Women		0	(omitted)			
Sex#c.timew1w3						
Women		0	(omitted)			
timew1w3		0	(omitted)			
Race						
AfrAm		<b>-.7774749</b>	<b>.1595292</b>	<b>-4.87</b>	<b>0.000</b>	<b>-1.090148</b> <b>-.4648015</b>
Race#c.timew1w3						
AfrAm		<b>.0677035</b>	<b>.0353248</b>	<b>1.92</b>	<b>0.055</b>	<b>-.0015323</b> <b>.1369393</b>
timew1w3		0	(omitted)			
PovStat						
Below		<b>-.4752329</b>	<b>.1615931</b>	<b>-2.94</b>	<b>0.003</b>	<b>-.7919683</b> <b>-.1584975</b>
PovStat#c.timew1w3						
Below		<b>.0088405</b>	<b>.0348979</b>	<b>0.25</b>	<b>0.800</b>	<b>-.0595585</b> <b>.0772396</b>
timew1w3		0	(omitted)			
w1edubr						
2		<b>.3240879</b>	<b>.3177968</b>	<b>1.02</b>	<b>0.308</b>	<b>-.2987829</b> <b>.9469587</b>
3		<b>.2973815</b>	<b>.343291</b>	<b>0.87</b>	<b>0.386</b>	<b>-.3754772</b> <b>.9702403</b>
w1edubr#c.timew1w3						
2		<b>.0611771</b>	<b>.0673168</b>	<b>0.91</b>	<b>0.363</b>	<b>-.0707633</b> <b>.1931176</b>

	3	.0315405	.0733164	0.43	0.667	-.1121595	.1752406
	timew1w3	0	(omitted)				
w1WRATtotalcent42		.0775701	.0118935	6.52	0.000	.0542549	.1008854
c.timew1w3#c.w1WRATtotalcent42		.0055316	.0026127	2.12	0.034	.0004107	.0106525
	timew1w3	0	(omitted)				
1.w1smoke		-.0629353	.20107	-0.31	0.756	-.4696358	.3437651
	w1smoke#c.timew1w3						
1		-.0170564	.0394736	-0.43	0.666	-.0945707	.0604579
	timew1w3	0	(omitted)				
1.w1currdrugs		.4023495	.2234179	1.80	0.072	-.0356602	.8403592
	w1currdrugs#c.timew1w3						
1		-.1131574	.0509844	-2.22	0.027	-.2131959	-.0131189
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		-.0007035	.0072632	-0.10	0.923	-.0150919	.013685
c.timew1w3#c.w1hei2010_total_scorecent43		.000465	.0016341	0.28	0.776	-.0027533	.0036833
	timew1w3	0	(omitted)				
w1BMIcon30		-.0278456	.0094683	-2.94	0.003	-.0464052	-.0092861
c.timew1w3#c.w1BMIcon30		-.0002569	.0020579	-0.12	0.901	-.0042905	.0037767
	timew1w3	0	(omitted)				
invmillsmms		.0019353	.0038067	0.51	0.611	-.0055257	.0093962
c.timew1w3#c.invmillsmms		-.0010507	.0007531	-1.40	0.163	-.0025268	.0004254
	timew1w3	0	(omitted)				
w1HCYcenter2p15		.190081	.270749	0.70	0.483	-.3405802	.7207423
c.timew1w3#c.w1HCYcenter2p15		-.0072424	.0595274	-0.12	0.903	-.1239143	.1094294
	_cons	7.132102	.3297486	21.63	0.000	6.485748	7.778455

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.1015125	.1482747	.005797	1.777598
sd(_cons)	1.472873	.1376177	1.226403	1.768876
corr(timew1w3,_cons)	-.1793237	.2769186	-.6303928	.3622733
<b>sd(Residual)</b>	1.340812	.128846	1.110634	1.618693

182 .  
 183 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4fobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
 Number of obs = 1,606

Number of groups = 833  
 Obs per group:  
 min = 1  
 avg = 1.9  
 max = 2  
 Average RVI = 0.0507  
 Largest FMI = 0.3547  
 DF: min = 38.57  
 avg = 2773273.50  
 max = 6.80e+07  
 F( 25, 28711.1) = 9.53  
 Prob > F = 0.0000

	FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		<b>- .0957514</b>	.1405644	<b>-0.68</b>	<b>0.496</b>	<b>-.3712643</b> <b>.1797614</b>
w1Agecent48		<b>- .0682319</b>	.018874	<b>-3.62</b>	<b>0.000</b>	<b>-.105226</b> <b>-.0312378</b>
c.timew1w3#c.w1Agecent48		<b>- .000573</b>	.0037305	<b>-0.15</b>	<b>0.878</b>	<b>-.0078851</b> <b>.0067391</b>
timew1w3			0 (omitted)			
Sex			0 (omitted)			
Women			0 (omitted)			
Sex#c.timew1w3			0 (omitted)			
Women			0 (omitted)			
timew1w3			0 (omitted)			
Race			0 (omitted)			
AfrAm		<b>-1.728823</b>	.3568747	<b>-4.84</b>	<b>0.000</b>	<b>-2.428288</b> <b>-1.029358</b>
Race#c.timew1w3			0 (omitted)			
AfrAm		<b>- .0269459</b>	.070097	<b>-0.38</b>	<b>0.701</b>	<b>-.1643339</b> <b>.1104421</b>
timew1w3			0 (omitted)			
PovStat			0 (omitted)			
Below		<b>-.7956978</b>	.3628565	<b>-2.19</b>	<b>0.028</b>	<b>-1.506915</b> <b>-.0844806</b>
PovStat#c.timew1w3			0 (omitted)			
Below		<b>.0085737</b>	.0698315	<b>0.12</b>	<b>0.902</b>	<b>-.1282943</b> <b>.1454416</b>
timew1w3			0 (omitted)			
w1edubr			0 (omitted)			
2		<b>- .9591727</b>	.7129133	<b>-1.35</b>	<b>0.178</b>	<b>-2.356458</b> <b>.4381129</b>
3		<b>.3872498</b>	.7696414	<b>0.50</b>	<b>0.615</b>	<b>-1.121237</b> <b>1.895736</b>
w1edubr#c.timew1w3			0 (omitted)			
2		<b>.1732721</b>	.1341903	<b>1.29</b>	<b>0.197</b>	<b>-.0897376</b> <b>.4362819</b>
3		<b>.1518686</b>	.1469037	<b>1.03</b>	<b>0.301</b>	<b>-.136065</b> <b>.4398021</b>

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.1584006	.0260676	6.08	0.000	.1073071	.209494
c.timew1w3#c.w1WRATtotalcent42		.0036313	.0050787	0.72	0.475	-.0063227	.0135853
	timew1w3	0	(omitted)				
	1.w1smoke	-.7370541	.4383596	-1.68	0.101	-1.624036	.1499274
	w1smoke#c.timew1w3						
	1	.0907896	.0794008	1.14	0.253	-.0651865	.2467657
	timew1w3	0	(omitted)				
	1.w1currdrugs	.7341717	.5105605	1.44	0.151	-.2700265	1.73837
	w1currdrugs#c.timew1w3						
	1	-.1511496	.1003761	-1.51	0.132	-.3479587	.0456594
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	.0250538	.0158668	1.58	0.118	-.0064785	.0565862
c.timew1w3#c.w1hei2010_total_scorecent43		-.0043013	.0031477	-1.37	0.172	-.010473	.0018704
	timew1w3	0	(omitted)				
	w1BMIcon30	.0180366	.0211684	0.85	0.394	-.0234584	.0595316
c.timew1w3#c.w1BMIcon30		.0029944	.0040961	0.73	0.465	-.0050339	.0110227
	timew1w3	0	(omitted)				
	invmillsmms	.011647	.0090531	1.29	0.198	-.0060967	.0293906
c.timew1w3#c.invmillsmms		-.002365	.0016074	-1.47	0.141	-.0055155	.0007855
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.836954	.5717733	-1.46	0.143	-1.95761	.2837025
c.timew1w3#c.w1HCYcenter2p15		.0482292	.1140872	0.42	0.672	-.1753795	.2718378
	_cons	20.16598	.7369382	27.36	0.000	18.72141	21.61055

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	.3054536	.170833	.1020651	.9141408	
sd(_cons)	3.859567	.2050196	3.477946	4.283062	
corr(timew1w3,_cons)	-.1538391	.1626859	-.447573	.1698584	
sd(Residual)	2.769125	.2129481	2.381681	3.219598	

184 .  
 185 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIconcen  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4gobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5  
 Number of obs = 1,573

Group variable: HNDID

Number of groups = 830  
 Obs per group:  
 min = 1  
 avg = 1.9  
 max = 2  
 Average RVI = .  
 Largest FMI = .  
 DF: min = 0.00  
 avg = .  
 max = .

DF adjustment: Large sample

Model F test: Equal FMI

F( 25, 31463.3) = 10.79  
 Prob > F = 0.0000

	DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.015639	.0562361	0.28	0.781	.094582	.12586
w1Agecent48	-.0007589	.0073498	-0.10	0.918	-.0151645	.0136466
c.timew1w3#c.w1Agecent48	-.0033005	.0015017	-2.20	0.028	-.0062439	-.0003571
timew1w3	0 (omitted)					
Sex Women	0 (omitted)					
Sex#c.timew1w3 Women	0 (omitted)					
timew1w3	0 (omitted)					
Race AfrAm	-.275667	.1394505	-1.98	0.048	-.548995	-.0023389
Race#c.timew1w3 AfrAm	.0050402	.028392	0.18	0.859	-.0506072	.0606876
timew1w3	0 (omitted)					
PovStat Below	-.1222908	.1407203	-0.87	0.385	-.3981039	.1535223
PovStat#c.timew1w3 Below	-.0097588	.028272	-0.35	0.730	-.0651733	.0456557
timew1w3	0 (omitted)					
w1edubr 2	.0582462	.2807255	0.21	0.836	-.4919903	.6084826
3	.2824642	.3038972	0.93	0.353	-.3132732	.8782016
w1edubr#c.timew1w3 2	.0148557	.0535643	0.28	0.782	-.0901285	.1198398
3	-.0277562	.0586469	-0.47	0.636	-.1427046	.0871921

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.1172252	.0103019	11.38	0.000	.0970266	.1374239
c.timew1w3#c.w1WRATtotalcent42		-.0013742	.0020786	-0.66	0.509	-.0054482	.0026999
	timew1w3	0	(omitted)				
	1.w1smoke	.2902564	.1610979	1.80	0.076	-.0306892	.6112019
w1smoke#c.timew1w3		-.0096992	.0314646	-0.31	0.758	-.0714165	.052018
	timew1w3	0	(omitted)				
	1.w1currdrugs	.2533167	.2064635	1.23	0.222	-.1551722	.6618056
w1currdrugs#c.timew1w3		-.0045637	.0420636	-0.11	0.914	-.0872148	.0780873
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	.0006395	.0060995	0.10	0.917	-.0114283	.0127074
c.timew1w3#c.w1hei2010_total_scorecent43		.0004453	.0013046	0.34	0.733	-.0021167	.0030074
	timew1w3	0	(omitted)				
	w1BMICent30	-.0125693	.008289	-1.52	0.129	-.0288187	.00368
c.timew1w3#c.w1BMICent30		-.0029381	.0016698	-1.76	0.079	-.0062113	.0003351
	timew1w3	0	(omitted)				
	invmillsmms	.0071932	.0035319	2.04	0.042	.0002707	.0141156
c.timew1w3#c.invmillsmms		-.0006331	.0006396	-0.99	0.322	-.0018867	.0006206
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.0831024	.2256386	-0.37	0.713	-.5253491	.3591442
c.timew1w3#c.w1HCYcenter2p15		-.0387954	.0469579	-0.83	0.409	-.1308325	.0532418
	_cons	7.046505	.2899977	24.30	0.000	6.478011	7.614999

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.0264891	.	.
sd(_cons)	1.428234	.	.
corr(timew1w3,_cons)	.9999229	.	.
sd(Residual)	1.178696	.	.

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.1089506	.0585006	-1.86	0.063	-.2236178 .0057166
w1Agecent48	-.0137141	.0072494	-1.89	0.059	-.0279229 .0004947
c.timew1w3#c.w1Agecent48	-.0003742	.001558	-0.24	0.810	-.0034282 .0026799
timew1w3	0	(omitted)			
Sex					
Women	0	(omitted)			
Sex#c.timew1w3	0	(omitted)			
Women	0	(omitted)			
timew1w3	0	(omitted)			
Race					
AfrAm	-.5327449	.1365427	-3.90	0.000	-.8003647 -.265125
Race#c.timew1w3					
AfrAm	.0005419	.0293348	0.02	0.985	-.0569559 .0580396
timew1w3	0	(omitted)			
PovStat					
Below	-.1926673	.1382525	-1.39	0.163	-.4636426 .078308
PovStat#c.timew1w3					
Below	.0154926	.0288758	0.54	0.592	-.0411029 .0720882
timew1w3	0	(omitted)			
w1edubr					
2	-.2608716	.2754323	-0.95	0.344	-.8007203 .278977
3	-.0260624	.2978727	-0.09	0.930	-.6099219 .5577972
w1edubr#c.timew1w3					
2	.117625	.0554462	2.12	0.034	.0089516 .2262985
3	.0602046	.0606345	0.99	0.321	-.0586399 .1790491

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.1329018	.0100244	13.26	0.000	.1132538	.1525497
c.timew1w3#c.w1WRATtotalcent42		-.0017607	.0021622	-0.81	0.415	-.0059989	.0024775
	timew1w3	0	(omitted)				
	1.w1smoke	-.056893	.1614851	-0.35	0.726	-.3785775	.2647915
w1smoke#c.timew1w3							
1		.0395568	.0344096	1.15	0.252	-.0284109	.1075246
	timew1w3	0	(omitted)				
	1.w1currdrugs	.144948	.206107	0.70	0.483	-.2624571	.5523531
w1currdrugs#c.timew1w3							
1		-.0070084	.0444599	-0.16	0.875	-.0946566	.0806398
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	-.0000233	.0057324	-0.00	0.997	-.0112679	.0112213
c.timew1w3#c.w1hei2010_total_scorecent43		.0026978	.0014988	1.80	0.077	-.0003041	.0056997
	timew1w3	0	(omitted)				
	w1BMIcon30	-.007168	.0081203	-0.88	0.377	-.0230845	.0087485
c.timew1w3#c.w1BMIcon30							
	timew1w3	0	(omitted)				
	invmillsmms	.0057238	.0034623	1.65	0.098	-.0010621	.0125098
c.timew1w3#c.invmillsmms							
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.108905	.2224208	-0.49	0.624	-.5448447	.3270346
c.timew1w3#c.w1HCYcenter2p15							
	_cons	6.08498	.2852537	21.33	0.000	5.5258	6.644161

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.0150693	.	.
sd(_cons)	1.343704	.	.
corr(timew1w3,_cons)	-.9999998	.	.
sd(Residual)	1.22179	.	.

188 .

```
189 . mi estimate: mixed clock_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4iobs==1 & Sex==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

	Imputations	=	5
	Number of obs	=	1,608
Group variable: HNDID	Number of groups	=	835
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	0.0399
	Largest FMI	=	0.2094
DF adjustment: Large sample	DF: min	=	105.62
	avg	=	1423617.65
	max	=	2.25e+07
Model F test: Equal FMI	F( 25,45954.0)	=	7.35
	Prob > F	=	0.0000

		Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-.076357</b>	<b>.0455374</b>	<b>-1.68</b>	<b>0.094</b>	<b>-.1656267</b> <b>.0129127</b>
	w1Agecent48	<b>.0015227</b>	<b>.0044964</b>	<b>0.34</b>	<b>0.735</b>	<b>-.007291</b> <b>.0103365</b>
	c.timew1w3##c.w1Agecent48	<b>-.002201</b>	<b>.0011836</b>	<b>-1.86</b>	<b>0.063</b>	<b>-.0045209</b> <b>.0001188</b>
	timew1w3	0	(omitted)			
	Sex					
	Women	0	(omitted)			
	Sex##c.timew1w3					
	Women	0	(omitted)			
	timew1w3	0	(omitted)			
	Race					
	AfrAm	<b>-.3220622</b>	<b>.0843131</b>	<b>-3.82</b>	<b>0.000</b>	<b>-.4873129</b> <b>-.1568115</b>
	Race##c.timew1w3					
	AfrAm	<b>.0150521</b>	<b>.022347</b>	<b>0.67</b>	<b>0.501</b>	<b>-.0287477</b> <b>.0588519</b>
	timew1w3	0	(omitted)			
	PovStat					
	Below	<b>-.0981356</b>	<b>.0859512</b>	<b>-1.14</b>	<b>0.254</b>	<b>-.2665996</b> <b>.0703284</b>
	PovStat##c.timew1w3					
	Below	<b>-.009486</b>	<b>.0222948</b>	<b>-0.43</b>	<b>0.670</b>	<b>-.0531833</b> <b>.0342112</b>
	timew1w3	0	(omitted)			
	w1edubr					
	2	<b>.0106922</b>	<b>.1776559</b>	<b>0.06</b>	<b>0.952</b>	<b>-.3380243</b> <b>.3594087</b>
	3	<b>.2700656</b>	<b>.1905446</b>	<b>1.42</b>	<b>0.157</b>	<b>-.1038004</b> <b>.6439317</b>
	w1edubr##c.timew1w3					
	2	<b>.0500436</b>	<b>.0437984</b>	<b>1.14</b>	<b>0.253</b>	<b>-.0358163</b> <b>.1359036</b>
	3	<b>.0524338</b>	<b>.0477815</b>	<b>1.10</b>	<b>0.273</b>	<b>-.0412336</b> <b>.1461013</b>

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.0325177	.0061946	5.25	0.000	.0203764	.0446591
c.timew1w3#c.w1WRATtotalcent42		-.00037	.0016294	-0.23	0.820	-.0035639	.0028238
	timew1w3	0	(omitted)				
	1.w1smoke	-.1113196	.1004943	-1.11	0.270	-.3105675	.0879283
	w1smoke#c.timew1w3						
	1	.0521384	.0257514	2.02	0.044	.0014115	.1028652
	timew1w3	0	(omitted)				
	1.w1currdrugs	.4020182	.1310631	3.07	0.003	.1429873	.661049
	w1currdrugs#c.timew1w3						
	1	-.0752647	.0316972	-2.37	0.018	-.1373984	-.013131
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	-.0004779	.0039894	-0.12	0.905	-.0083818	.0074261
c.timew1w3#c.w1hei2010_total_scorecent43		.0018828	.0010432	1.80	0.072	-.0001715	.0039372
	timew1w3	0	(omitted)				
	w1BMIcon30	-.0017105	.0050271	-0.34	0.734	-.0115637	.0081428
c.timew1w3#c.w1BMIcon30		-.0007882	.001314	-0.60	0.549	-.0033637	.0017872
	timew1w3	0	(omitted)				
	invmillsmms	-.0001478	.0021531	-0.07	0.945	-.0043678	.0040721
c.timew1w3#c.invmillsmms		-.0000626	.0005198	-0.12	0.904	-.0010814	.0009562
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.1981106	.1363691	-1.45	0.146	-.4653964	.0691751
c.timew1w3#c.w1HCYcenter2p15		-.0159731	.0364612	-0.44	0.661	-.0874362	.05549
	_cons	8.825217	.1809704	48.77	0.000	8.470088	9.180346

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	.1030852	.0431454	.0453869	.2341328	
sd(_cons)	.6953402	.0804244	.5542991	.8722691	
corr(timew1w3,_cons)	-.3016953	.1817381	-.6064309	.080316	
sd(Residual)	.889948	.0570964	.7847907	1.009196	

190 .

```
191 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4jobs==1 & Sex==1 || HNDID: timew1w3
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,585

Group variable: HNDID

Number of groups = 830  
Obs per group:

min = 1  
avg = 1.9  
max = 2

Average RVI = 0.0375

Largest FMI = 0.2972

DF adjustment: Large sample

DF: min = 54.17

avg = 2156259.23

max = 3.93e+07

Model F test: Equal FMI

F( 25, 53641.5) = 10.55

Prob &gt; F = 0.0000

	LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0133658	.0119301	1.12	0.263	.0100181	.0367498
w1Agecent48	.0100702	.0013257	7.60	0.000	.0074719	.0126685
c.timew1w3#c.w1Agecent48	.0005418	.0003108	1.74	0.081	-.0000673	.0011509
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	.1270528	.0250203	5.08	0.000	.0780136	.1760921
Race#c.timew1w3						
AfrAm	.002738	.0058418	0.47	0.639	-.0087119	.0141878
timew1w3	0	(omitted)				
PovStat						
Below	.0721647	.0253833	2.84	0.004	.0224142	.1219152
PovStat#c.timew1w3						
Below	.0011174	.005826	0.19	0.848	-.0103014	.0125362
timew1w3	0	(omitted)				
w1edubr						
2	-.068002	.0516374	-1.32	0.188	-.1692426	.0332387
3	-.0194715	.0553403	-0.35	0.725	-.1279494	.0890064
w1edubr#c.timew1w3						
2	-.0112245	.0114122	-0.98	0.325	-.0335933	.0111444
3	-.0188234	.0124235	-1.52	0.130	-.0431735	.0055266

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	<b>- .0081595</b>	<b>.001853</b>	<b>-4.40</b>	<b>0.000</b>	<b>-.0117914</b>	<b>-.0045277</b>
c.timew1w3#c.w1WRATtotalcent42		<b>- .0005992</b>	<b>.0004279</b>	<b>-1.40</b>	<b>0.161</b>	<b>-.0014379</b>	<b>.0002395</b>
	timew1w3	0	(omitted)				
	1.w1smoke	<b>.0209415</b>	<b>.0274113</b>	<b>0.76</b>	<b>0.445</b>	<b>-.0328895</b>	<b>.0747724</b>
	w1smoke#c.timew1w3						
	1	<b>.0033653</b>	<b>.0064967</b>	<b>0.52</b>	<b>0.604</b>	<b>-.0093733</b>	<b>.0161039</b>
	timew1w3	0	(omitted)				
	1.w1currdrugs	<b>.0432566</b>	<b>.0371787</b>	<b>1.16</b>	<b>0.246</b>	<b>-.0299804</b>	<b>.1164935</b>
	w1currdrugs#c.timew1w3						
	1	<b>-.0045022</b>	<b>.0084221</b>	<b>-0.53</b>	<b>0.593</b>	<b>-.0210189</b>	<b>.0120144</b>
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	<b>.0004201</b>	<b>.0012096</b>	<b>0.35</b>	<b>0.730</b>	<b>-.0020048</b>	<b>.0028451</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0001067</b>	<b>.0002883</b>	<b>0.37</b>	<b>0.712</b>	<b>-.0004654</b>	<b>.0006788</b>
	timew1w3	0	(omitted)				
	w1BMIcon30	<b>.0027875</b>	<b>.0014819</b>	<b>1.88</b>	<b>0.060</b>	<b>-.0001169</b>	<b>.005692</b>
c.timew1w3#c.w1BMIcon30		<b>-.0002947</b>	<b>.000342</b>	<b>-0.86</b>	<b>0.389</b>	<b>-.000965</b>	<b>.0003756</b>
	timew1w3	0	(omitted)				
	invmillsmms	<b>-.0004139</b>	<b>.0006319</b>	<b>-0.66</b>	<b>0.512</b>	<b>-.0016523</b>	<b>.0008246</b>
c.timew1w3#c.invmillsmms		<b>-.0001117</b>	<b>.0001338</b>	<b>-0.84</b>	<b>0.404</b>	<b>-.0003739</b>	<b>.0001504</b>
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	<b>.0980168</b>	<b>.0401665</b>	<b>2.44</b>	<b>0.015</b>	<b>.0192913</b>	<b>.1767422</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0182286</b>	<b>.0095358</b>	<b>-1.91</b>	<b>0.056</b>	<b>-.0369189</b>	<b>.0004617</b>
	_cons	<b>3.353731</b>	<b>.0529937</b>	<b>63.29</b>	<b>0.000</b>	<b>3.249831</b>	<b>3.457632</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Independent</b>				
sd(timew1w3)	<b>.0269611</b>	<b>.0063575</b>	<b>.0169833</b>	<b>.0428009</b>
sd(_cons)	<b>.2401858</b>	<b>.0096682</b>	<b>.2219647</b>	<b>.2599027</b>
sd(Residual)	<b>.2283182</b>	<b>.0097072</b>	<b>.2100636</b>	<b>.2481591</b>

192 .

```
193 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4kobs==1 & Sex==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,529

Group variable: HNDID

Number of groups = 824  
Obs per group:

min = 1  
avg = 1.9  
max = 2

Average RVI = 0.0556

Largest FMI = 0.3186

DF adjustment: Large sample

DF: min = 47.41

avg = 307,711.37

max = 3004209.90

Model F test: Equal FMI

F( 25, 23944.3) = 16.52

Prob > F = 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0155667	.0192994	0.81	0.420	-.0222747 .0534081
w1Agecent48	.0149037	.0024066	6.19	0.000	.0101866 .0196209
c.timew1w3#c.w1Agecent48	.0007032	.0004999	1.41	0.160	-.0002767 .0016832
timew1w3	0 (omitted)				
Sex					
Women	0 (omitted)				
Sex#c.timew1w3					
Women	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	.3296998	.0452154	7.29	0.000	.241079 .4183206
Race#c.timew1w3					
AfrAm	-.003403	.0093269	-0.36	0.715	-.0216835 .0148774
timew1w3	0 (omitted)				
PovStat					
Below	.1075082	.0460791	2.33	0.020	.017192 .1978244
PovStat#c.timew1w3					
Below	.0033433	.0094204	0.35	0.723	-.0151204 .0218071
timew1w3	0 (omitted)				
w1edubr					
2	-.0037989	.0925645	-0.04	0.967	-.185238 .1776401
3	-.0902563	.0999214	-0.90	0.366	-.2861198 .1056073
w1edubr#c.timew1w3					
2	-.0098514	.0183714	-0.54	0.592	-.04586 .0261571
3	-.014283	.0200414	-0.71	0.476	-.0535689 .0250028

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	<b>- .0265715</b>	<b>.0033807</b>	<b>-7.86</b>	<b>0.000</b>	<b>-.0331977</b>	<b>-.0199454</b>
c.timew1w3#c.w1WRATtotalcent42		<b>- .0004672</b>	<b>.0007206</b>	<b>-0.65</b>	<b>0.517</b>	<b>-.0018797</b>	<b>.0009452</b>
	timew1w3	0	(omitted)				
	1.w1smoke	<b>- .0109849</b>	<b>.0558532</b>	<b>-0.20</b>	<b>0.845</b>	<b>-.1233212</b>	<b>.1013513</b>
	w1smoke#c.timew1w3						
	1	<b>.0141629</b>	<b>.0110233</b>	<b>1.28</b>	<b>0.201</b>	<b>-.0075883</b>	<b>.0359141</b>
	timew1w3	0	(omitted)				
	1.w1currdrugs	<b>.0423027</b>	<b>.0682154</b>	<b>0.62</b>	<b>0.536</b>	<b>-.0925733</b>	<b>.1771787</b>
	w1currdrugs#c.timew1w3						
	1	<b>- .0229007</b>	<b>.0139085</b>	<b>-1.65</b>	<b>0.100</b>	<b>-.0502314</b>	<b>.0044301</b>
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	<b>.000166</b>	<b>.0018644</b>	<b>0.09</b>	<b>0.929</b>	<b>-.0034896</b>	<b>.0038217</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>- .0001202</b>	<b>.000462</b>	<b>-0.26</b>	<b>0.795</b>	<b>-.001036</b>	<b>.0007956</b>
	timew1w3	0	(omitted)				
	w1BMIcon30	<b>.0022986</b>	<b>.0026865</b>	<b>0.86</b>	<b>0.392</b>	<b>-.0029673</b>	<b>.0075645</b>
c.timew1w3#c.w1BMIcon30		<b>- .0009649</b>	<b>.0005468</b>	<b>-1.76</b>	<b>0.078</b>	<b>-.0020367</b>	<b>.0001068</b>
	timew1w3	0	(omitted)				
	invmillsmms	<b>- .0033292</b>	<b>.00114</b>	<b>-2.92</b>	<b>0.003</b>	<b>-.0055636</b>	<b>-.0010948</b>
c.timew1w3#c.invmillsmms		<b>- .0006249</b>	<b>.0015862</b>	<b>-0.39</b>	<b>0.694</b>	<b>-.0037339</b>	<b>.002484</b>
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	<b>- .0199508</b>	<b>.0726061</b>	<b>-0.27</b>	<b>0.783</b>	<b>-.1622582</b>	<b>.1223566</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0030507</b>	<b>.0150616</b>	<b>0.20</b>	<b>0.839</b>	<b>-.0264711</b>	<b>.0325726</b>
	_cons	<b>4.376939</b>	<b>.0958455</b>	<b>45.67</b>	<b>0.000</b>	<b>4.189011</b>	<b>4.564868</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.055808</b>	<b>.0217754</b>	<b>.0259758</b>	<b>.1199015</b>
sd(_cons)	<b>.4983283</b>	<b>.0318189</b>	<b>.4397088</b>	<b>.5647627</b>
corr(timew1w3,_cons)	<b>-.5286994</b>	<b>.074147</b>	<b>-.6584362</b>	<b>-.3684501</b>
sd(Residual)	<b>.330367</b>	<b>.0395041</b>	<b>.261344</b>	<b>.4176196</b>

```

194 .
195 .
196 . save, replace
      file finaldata_imputed_FINAL.dta saved

197 .
198 .
199 . //MODEL 3: FULLY ADJUSTED MODEL: MODEL 2 + HEALTH-RELATED FACTORS///
200 .
201 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvnbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

```

	Imputations	=	5
	Number of obs	=	1,546

  

Group variable: HNDID	Number of groups	=	824
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	.
	Largest FMI	=	.

  

DF adjustment: Large sample	DF:	min	=	0.00
		avg	=	.
		max	=	.

  

Model F test: Equal FMI	F(	41,64512.4)	=	14.30
	Prob > F	=	0.0000	

	MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0635119	.0640951	0.99	0.322	.0621139	.1891377
w1Agecent48	-.0143783	.0066285	-2.17	0.030	-.0273713	-.0013852
c.timew1w3#c.w1Agecent48	-.0033926	.0015557	-2.18	0.029	-.006442	-.0003432
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	-.4049163	.1172777	-3.45	0.001	-.6347809	-.1750517
Race#c.timew1w3						
AfrAm	.0123717	.0277211	0.45	0.655	-.0419626	.066706
timew1w3	0	(omitted)				
PovStat						
Below	-.0213025	.1159452	-0.18	0.854	-.2485515	.2059466
PovStat#c.timew1w3						
Below	-.0418273	.0266613	-1.57	0.117	-.0940826	.010428

	timew1w3	0	(omitted)			
w1edubr						
2	.6003991	.227502	2.64	0.008	.1544988	1.046299
3	.6715092	.2471757	2.72	0.007	.1870377	1.155981
w1edubr#c.timew1w3						
2	-.068096	.0532911	-1.28	0.201	-.1725458	.0363537
3	-.037607	.0578834	-0.65	0.516	-.1510684	.0758545
timew1w3	0	(omitted)				
w1WRATtotalcent42	.1306925	.0083767	15.60	0.000	.1142742	.1471107
c.timew1w3#c.w1WRATtotalcent42	-.0066462	.0021478	-3.09	0.002	-.0108574	-.0024349
timew1w3	0	(omitted)				
1.w1smoke	-.038195	.1282271	-0.30	0.766	-.2904977	.2141077
w1smoke#c.timew1w3						
1	-.0234488	.02996	-0.78	0.434	-.0822195	.0353218
timew1w3	0	(omitted)				
1.w1currdrugs	-.0570132	.1641548	-0.35	0.728	-.3789981	.2649718
w1currdrugs#c.timew1w3						
1	.0234487	.0394749	0.59	0.553	-.0541268	.1010243
timew1w3	0	(omitted)				
w1hei2010_total_scorecent43	-.0026462	.0055719	-0.47	0.637	-.0138159	.0085235
c.timew1w3#c.w1hei2010_total_scorecent43	-.0000577	.0014419	-0.04	0.968	-.0029819	.0028665
timew1w3	0	(omitted)				
w1BMIcon30	-.0108972	.0075008	-1.45	0.147	-.0256122	.0038178
c.timew1w3#c.w1BMIcon30	.0019653	.0016843	1.17	0.243	-.0013362	.0052669
timew1w3	0	(omitted)				
w1SRH						
2	.2408609	.1482186	1.63	0.104	-.0496424	.5313642
3	.1107322	.1629661	0.68	0.497	-.2086837	.4301481
w1SRH#c.timew1w3						
2	-.0117835	.0350292	-0.34	0.737	-.0804397	.0568727
3	.0028006	.0381831	0.07	0.942	-.0720384	.0776397
timew1w3	0	(omitted)				
w1CEScent15	.0023289	.0049445	0.47	0.638	-.007364	.0120218
c.timew1w3#c.w1CEScent15	-.0007918	.0011724	-0.68	0.499	-.0030903	.0015067
timew1w3	0	(omitted)				
w1dxHTN						
Yes	.0512407	.1310196	0.39	0.696	-.2060954	.3085768
w1dxHTN#c.timew1w3						
Yes	-.0265191	.03017	-0.88	0.380	-.0856863	.0326481
timew1w3	0	(omitted)				
w1dxDiabetes						

	preDiabetes	.0031572	.1581295	0.02	0.984	-.3070206	.3133349
	Diabetes	-.0890904	.1712862	-0.52	0.603	-.4253995	.2472186
w1dxDiabetes#c.timew1w3							
	preDiabetes	.030701	.0361309	0.85	0.396	-.0401234	.1015253
	Diabetes	-.0529657	.0411655	-1.29	0.198	-.1337241	.0277928
	timew1w3	0	(omitted)				
w1CVhighChol							
	Yes	.1759214	.1417057	1.24	0.216	-.1031488	.4549916
w1CVhighChol#c.timew1w3							
	Yes	.0017524	.0330133	0.05	0.958	-.0629817	.0664865
	timew1w3	0	(omitted)				
1.w1cvdbr		-.2073575	.1605225	-1.29	0.199	-.525602	.110887
w1cvdbr#c.timew1w3							
	1	.0454389	.0379562	1.20	0.233	-.0296429	.1205207
	timew1w3	0	(omitted)				
invmillsmms		.0105335	.0028785	3.66	0.000	.0048917	.0161754
c.timew1w3#c.invmillsmms		-.0019592	.0006054	-3.24	0.001	-.0031457	-.0007726
	timew1w3	0	(omitted)				
w1HCYcenter2p15		-.1072652	.1855444	-0.58	0.563	-.4709602	.2564298
c.timew1w3#c.w1HCYcenter2p15		.0256996	.0436365	0.59	0.556	-.0598307	.1112298
	_cons	27.38851	.2684787	102.01	0.000	26.86229	27.91473

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.050672	.	.
sd(_cons)	1.025216	.	.
corr(timew1w3,_cons)	-1	.	.
sd(Residual)	1.096874	.	.

202 .

203 .

```
204 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Sex==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,546

Group variable: HNDID Number of groups = 824  
 Obs per group:  
 min = 1  
 avg = 1.9  
 max = 2  
 Average RVI = .  
 Largest FMI = .  
 DF adjustment: Large sample DF: min = 0.00  
 avg = .  
 max = .  
 Model F test: Equal FMI F( 41,83321.9) = 13.38  
 Prob > F = 0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.2453187	.5513206	0.44	0.656	-.8352835 1.325921
w1Agecent48	-.1224252	.0533699	-2.29	0.022	-.227031 -.0178193
c.timew1w3#c.w1Agecent48	-.0295041	.0133081	-2.22	0.027	-.0555885 -.0034197
timew1w3	0 (omitted)				
Sex					
Women	0 (omitted)				
Sex#c.timew1w3					
Women	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	-4.770768	.9471942	-5.04	0.000	-6.627249 -2.914288
Race#c.timew1w3					
AfrAm	.1986463	.2372681	0.84	0.402	-.2663944 .663687
timew1w3	0 (omitted)				
PovStat					
Below	-.0324333	.9380834	-0.03	0.972	-1.871049 1.806182
PovStat#c.timew1w3					
Below	-.3477929	.2289673	-1.52	0.129	-.796561 .1009752
timew1w3	0 (omitted)				
w1edubr					
2	4.038575	1.839949	2.19	0.028	.4323167 7.644833
3	5.245961	1.999278	2.62	0.009	1.327348 9.164575
w1edubr#c.timew1w3					
2	-.5259814	.4570041	-1.15	0.250	-1.421698 .3697349
3	-.1403962	.4969375	-0.28	0.778	-1.114483 .8336904
timew1w3	0 (omitted)				
w1WRATtotalcent42	.9124622	.0677756	13.46	0.000	.779623 1.045301
c.timew1w3#c.w1WRATtotalcent42	-.043193	.0183817	-2.35	0.019	-.0792285 -.0071574
timew1w3	0 (omitted)				
1.w1smoke	-.9512596	1.013472	-0.94	0.348	-2.939987 1.037467

w1smoke#c.timew1w3							
1	<b>-.0471149</b>	<b>.2558374</b>	<b>-0.18</b>	<b>0.854</b>	<b>-.5488691</b>	<b>.4546392</b>	
timew1w3	0	(omitted)					
1.w1currdrugs	<b>-.3973908</b>	<b>1.321233</b>	<b>-0.30</b>	<b>0.764</b>	<b>-2.987814</b>	<b>2.193032</b>	
w1currdrugs#c.timew1w3							
1	<b>.1806552</b>	<b>.339394</b>	<b>0.53</b>	<b>0.595</b>	<b>-.4865666</b>	<b>.847877</b>	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	<b>-.0138245</b>	<b>.0430411</b>	<b>-0.32</b>	<b>0.749</b>	<b>-.0991</b>	<b>.071451</b>	
c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0024348</b>	<b>.0126297</b>	<b>0.19</b>	<b>0.848</b>	<b>-.0233376</b>	<b>.0282071</b>	
timew1w3	0	(omitted)					
w1BMIcon30	<b>-.0702626</b>	<b>.0596216</b>	<b>-1.18</b>	<b>0.239</b>	<b>-.1871352</b>	<b>.0466101</b>	
c.timew1w3#c.w1BMIcon30	<b>.0109463</b>	<b>.0143912</b>	<b>0.76</b>	<b>0.447</b>	<b>-.0172605</b>	<b>.0391532</b>	
timew1w3	0	(omitted)					
w1SRH							
2	<b>2.124821</b>	<b>1.199031</b>	<b>1.77</b>	<b>0.076</b>	<b>-.2252409</b>	<b>4.474883</b>	
3	<b>2.091098</b>	<b>1.318896</b>	<b>1.59</b>	<b>0.113</b>	<b>-.4939755</b>	<b>4.676172</b>	
w1SRH#c.timew1w3							
2	<b>-.145313</b>	<b>.3006049</b>	<b>-0.48</b>	<b>0.629</b>	<b>-.7344888</b>	<b>.4438628</b>	
3	<b>-.1027847</b>	<b>.3278113</b>	<b>-0.31</b>	<b>0.754</b>	<b>-.7452945</b>	<b>.539725</b>	
timew1w3	0	(omitted)					
w1CEScent15							
0	(omitted)						
.0162083	<b>.0399958</b>	<b>0.41</b>	<b>0.685</b>	<b>-.0621965</b>	<b>.0946131</b>		
c.timew1w3#c.w1CEScent15	<b>-.0066979</b>	<b>.0099899</b>	<b>-0.67</b>	<b>0.503</b>	<b>-.0262789</b>	<b>.0128831</b>	
timew1w3	0	(omitted)					
w1dxHTN							
Yes	<b>.9205805</b>	<b>1.046743</b>	<b>0.88</b>	<b>0.379</b>	<b>-1.132963</b>	<b>2.974124</b>	
w1dxHTN#c.timew1w3							
Yes	<b>-.276714</b>	<b>.2600361</b>	<b>-1.06</b>	<b>0.287</b>	<b>-.7867929</b>	<b>.2333649</b>	
timew1w3	0	(omitted)					
w1dxDiabetes							
preDiabetes							
Diabetes							
.0577994	<b>1.267187</b>	<b>0.05</b>	<b>0.964</b>	<b>-2.426539</b>	<b>2.542138</b>		
-.4167982	<b>1.366334</b>	<b>-0.31</b>	<b>0.760</b>	<b>-3.096455</b>	<b>2.262859</b>		
w1dxDiabetes#c.timew1w3							
preDiabetes							
Diabetes							
.3605308	<b>.3086229</b>	<b>1.17</b>	<b>0.243</b>	<b>-.2443767</b>	<b>.9654382</b>		
-.4230742	<b>.3500382</b>	<b>-1.21</b>	<b>0.227</b>	<b>-1.109421</b>	<b>.2632725</b>		
timew1w3	0	(omitted)					
w1CVhighChol							
Yes							
.9692015	<b>1.108502</b>	<b>0.87</b>	<b>0.382</b>	<b>-1.205661</b>	<b>3.144064</b>		
w1CVhighChol#c.timew1w3							
Yes							
.1260171	<b>.2839547</b>	<b>0.44</b>	<b>0.657</b>	<b>-.4308648</b>	<b>.6828991</b>		
timew1w3	0	(omitted)					
1.w1cvdbr							
-1.858463	<b>1.333868</b>	<b>-1.39</b>	<b>0.168</b>	<b>-4.515434</b>	<b>.7985091</b>		

w1cvdbr#c.timew1w3							
1	.3366589	.3271137	1.03	0.305	-.3110163	.9843341	
timew1w3	0	(omitted)					
invmillsmms	.0590125	.0232858	2.53	0.011	.0133731	.1046519	
c.timew1w3#c.invmillsmms	-.0095982	.0051955	-1.85	0.065	-.0197812	.0005849	
timew1w3	0	(omitted)					
w1HCYcenter2p15	-1.192405	1.498603	-0.80	0.426	-4.129802	1.744991	
c.timew1w3#c.w1HCYcenter2p15	.1995675	.3751298	0.53	0.595	-.5357275	.9348626	
_cons	74.32366	2.181313	34.07	0.000	70.04808	78.59924	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.2903197	.	.
sd(_cons)	7.598844	.	.
corr(timew1w3,_cons)	-.9999999	.	.
sd(Residual)	9.481455	.	.

205 .  
 206 .  
 207 .  
 208 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4bobs==1 & Sex==1 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,440

Group variable: HNDID

Number of groups	=	824
Obs per group:		
min	=	1
avg	=	1.7
max	=	2

Average RVI = 0.0508  
 Largest FMI = 0.2189

DF adjustment: Large sample

DF:	min	=	97.11
	avg	=	83,092.38
	max	=	1237113.72

Model F test: Equal FMI

F( 41, 57986.8)	=	21.89
Prob > F	=	0.0000

	cvtca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	-1.007225	.2259337	-4.46	0.000	-1.450063 -.5643866
w1Agecent48		-.1778747	.0269925	-6.59	0.000	-.2307832 -.1249662
c.timew1w3#c.w1Agecent48		-.0030394	.00588	-0.52	0.605	-.0145663 .0084875
	timew1w3	0	(omitted)			
	Sex Women	0	(omitted)			
	Sex#c.timew1w3 Women	0	(omitted)			
	timew1w3	0	(omitted)			
	Race AfrAm	-2.755861	.4844232	-5.69	0.000	-3.705481 -1.80624
	Race#c.timew1w3 AfrAm	.1062283	.1040624	1.02	0.307	-.0977438 .3102004
	timew1w3	0	(omitted)			
	PovStat Below	-.258144	.4734185	-0.55	0.586	-1.186048 .6697603
	PovStat#c.timew1w3 Below	.0552006	.0996245	0.55	0.580	-.1400652 .2504664
	timew1w3	0	(omitted)			
	w1edubr 2	-.9199194	.9326199	-0.99	0.324	-2.751257 .9114183
	3	1.037858	1.002029	1.04	0.301	-.9280448 3.003761
	w1edubr#c.timew1w3 2	.1112904	.1822443	0.61	0.541	-.245915 .4684957
	3	.0344555	.2024092	0.17	0.865	-.3623012 .4312123
	timew1w3 w1WRATtotalcent42	0	(omitted)			
		.2570281	.0342605	7.50	0.000	.1898752 .3241811
c.timew1w3#c.w1WRATtotalcent42		-.0089038	.0073096	-1.22	0.223	-.0232309 .0054233
	timew1w3 1.w1smoke	0	(omitted)			
		.0026601	.5326801	0.00	0.996	-1.053467 1.058787
	w1smoke#c.timew1w3 1	-.0618062	.1173967	-0.53	0.599	-.2935959 .1699836
	timew1w3 1.w1currdrugs	0	(omitted)			
		-.2024222	.6991735	-0.29	0.773	-1.583844 1.179
	w1currdrugs#c.timew1w3 1	.2447197	.1562223	1.57	0.120	-.0644478 .5538871
	timew1w3 w1hei2010_total_scorecent43	0	(omitted)			
		.0472709	.0218875	2.16	0.033	.0038308 .090711
c.timew1w3#c.w1hei2010_total_scorecent43		-.0071292	.0048839	-1.46	0.146	-.0167632 .0025048

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0003514</b>	<b>.0299621</b>	<b>-0.01</b>	<b>0.991</b>	<b>- .0590797</b>	<b>.0583769</b>
c.timew1w3#c.w1BMIcon30		<b>- .0014383</b>	<b>.0062535</b>	<b>-0.23</b>	<b>0.818</b>	<b>- .0136949</b>	<b>.0108183</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>.9147485</b>	<b>.6055159</b>	<b>1.51</b>	<b>0.131</b>	<b>- .2721198</b>	<b>2.101617</b>
3		<b>.8380208</b>	<b>.6672104</b>	<b>1.26</b>	<b>0.209</b>	<b>- .4699005</b>	<b>2.145942</b>
w1SRH#c.timew1w3							
2		<b>- .3663536</b>	<b>.1290332</b>	<b>-2.84</b>	<b>0.005</b>	<b>- .6192589</b>	<b>- .1134484</b>
3		<b>- .2265433</b>	<b>.1404443</b>	<b>-1.61</b>	<b>0.107</b>	<b>- .5018101</b>	<b>.0487234</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>- .0647585</b>	<b>.0198035</b>	<b>-3.27</b>	<b>0.001</b>	<b>- .103573</b>	<b>- .0259439</b>
c.timew1w3#c.w1CEScent15		<b>- .0116428</b>	<b>.004265</b>	<b>-2.73</b>	<b>0.006</b>	<b>- .0200022</b>	<b>- .0032834</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.3959582</b>	<b>.5158971</b>	<b>0.77</b>	<b>0.443</b>	<b>- .6156553</b>	<b>1.407572</b>
w1dxHTN#c.timew1w3							
Yes		<b>- .0306845</b>	<b>.1120283</b>	<b>-0.27</b>	<b>0.784</b>	<b>- .250331</b>	<b>.1889621</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>-.5188369</b>	<b>.64636</b>	<b>-0.80</b>	<b>0.422</b>	<b>-1.78717</b>	<b>.7494959</b>
Diabetes		<b>.0420869</b>	<b>.6913992</b>	<b>0.06</b>	<b>0.951</b>	<b>-1.313903</b>	<b>1.398077</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0633787</b>	<b>.1392578</b>	<b>0.46</b>	<b>0.649</b>	<b>- .2096435</b>	<b>.3364009</b>
Diabetes		<b>-.3569606</b>	<b>.1573819</b>	<b>-2.27</b>	<b>0.024</b>	<b>- .6664462</b>	<b>- .0474751</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>-.4007181</b>	<b>.5423013</b>	<b>-0.74</b>	<b>0.460</b>	<b>-1.463652</b>	<b>.662216</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.2587499</b>	<b>.1258572</b>	<b>2.06</b>	<b>0.040</b>	<b>.0118965</b>	<b>.5056033</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>.5777033</b>	<b>.576896</b>	<b>1.00</b>	<b>0.317</b>	<b>- .5530113</b>	<b>1.708418</b>
w1cvdbr#c.timew1w3							
1		<b>-.1012904</b>	<b>.1284877</b>	<b>-0.79</b>	<b>0.431</b>	<b>- .3532095</b>	<b>.1506286</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.025845</b>	<b>.0110676</b>	<b>2.34</b>	<b>0.020</b>	<b>.0041527</b>	<b>.0475373</b>
c.timew1w3#c.invmillsmms		<b>.0009777</b>	<b>.0021226</b>	<b>0.46</b>	<b>0.645</b>	<b>- .0031825</b>	<b>.0051378</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>1.37243</b>	<b>.7444164</b>	<b>1.84</b>	<b>0.065</b>	<b>- .0866027</b>	<b>2.831462</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0314733</b>	<b>.1629246</b>	<b>-0.19</b>	<b>0.847</b>	<b>- .3507999</b>	<b>.2878533</b>

_cons	<b>26.72936</b>	<b>1.115787</b>	<b>23.96</b>	<b>0.000</b>	<b>24.53806</b>	<b>28.92066</b>
-------	-----------------	-----------------	--------------	--------------	-----------------	-----------------

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.2736897	.1751175	.078086	.959276
sd(_cons)	4.365176	.172228	4.040321	4.716151
sd(Residual)	<b>3.760348</b>	<b>.1734284</b>	<b>3.435313</b>	<b>4.116137</b>

209 .  
 210 .  
 211 .  
 212 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4cobs==1 & Sex==1 || HNDID:

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,370
Group variable: HNDID		
Number of groups	=	813
Obs per group:		
min	=	1
avg	=	1.7
max	=	2
Average RVI	=	0.0506
Largest FMI	=	0.2520
DF adjustment: Large sample	DF:	min = 74.22 avg = 138,708.24 max = 1881174.26
Model F test: Equal FMI	F(	41,59708.5) = 14.31 Prob > F = 0.0000

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.375221</b>	<b>.1062082</b>	<b>-3.53</b>	<b>0.000</b>	<b>-.5833884</b>	<b>-.1670537</b>
w1Agecent48	<b>-.0875131</b>	<b>.0131312</b>	<b>-6.66</b>	<b>0.000</b>	<b>-.1132512</b>	<b>-.061775</b>
c.timew1w3#c.w1Agecent48	<b>-.0021303</b>	<b>.0028391</b>	<b>-0.75</b>	<b>0.453</b>	<b>-.0076952</b>	<b>.0034347</b>
timew1w3	<b>0</b>	(omitted)				
Sex						
Women	<b>0</b>	(omitted)				
Sex#c.timew1w3						
Women	<b>0</b>	(omitted)				
timew1w3	<b>0</b>	(omitted)				
Race						
AfrAm	<b>-1.620353</b>	<b>.2341242</b>	<b>-6.92</b>	<b>0.000</b>	<b>-2.079359</b>	<b>-1.161348</b>
Race#c.timew1w3						
AfrAm	<b>.0248918</b>	<b>.0502609</b>	<b>0.50</b>	<b>0.620</b>	<b>-.0736553</b>	<b>.123439</b>
timew1w3	<b>0</b>	(omitted)				

PovStat Below		<b>- .105133</b>	<b>.2285823</b>	<b>-0.46</b>	<b>0.646</b>	<b>-.5531476</b>	<b>.3428817</b>
PovStat#c.timew1w3 Below		<b>-.0070315</b>	<b>.0473402</b>	<b>-0.15</b>	<b>0.882</b>	<b>-.0998183</b>	<b>.0857553</b>
timew1w3		<b>0</b>	<b>(omitted)</b>				
w1edubr 2		<b>-.157231</b>	<b>.4366773</b>	<b>-0.36</b>	<b>0.719</b>	<b>-1.013163</b>	<b>.6987006</b>
3		<b>.6135194</b>	<b>.4728542</b>	<b>1.30</b>	<b>0.194</b>	<b>-.3132879</b>	<b>1.540327</b>
w1edubr#c.timew1w3 2		<b>.0281512</b>	<b>.0852919</b>	<b>0.33</b>	<b>0.741</b>	<b>-.1390274</b>	<b>.1953297</b>
3		<b>.0129376</b>	<b>.0944562</b>	<b>0.14</b>	<b>0.891</b>	<b>-.1722072</b>	<b>.1980825</b>
timew1w3 w1WRATtotalcent42		<b>0</b>	<b>(omitted)</b>				
		<b>.1053735</b>	<b>.016601</b>	<b>6.35</b>	<b>0.000</b>	<b>.0728311</b>	<b>.1379159</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0054979</b>	<b>.0034946</b>	<b>-1.57</b>	<b>0.116</b>	<b>-.0123479</b>	<b>.001352</b>
timew1w3 1.w1smoke		<b>0</b>	<b>(omitted)</b>				
		<b>-.0438576</b>	<b>.2450386</b>	<b>-0.18</b>	<b>0.858</b>	<b>-.5254761</b>	<b>.4377608</b>
w1smoke#c.timew1w3 1		<b>-.029451</b>	<b>.0556228</b>	<b>-0.53</b>	<b>0.597</b>	<b>-.1391447</b>	<b>.0802427</b>
timew1w3 1.w1currdrugs		<b>0</b>	<b>(omitted)</b>				
		<b>.3240867</b>	<b>.322947</b>	<b>1.00</b>	<b>0.316</b>	<b>-.3095502</b>	<b>.9577235</b>
w1currdrugs#c.timew1w3 1		<b>-.078231</b>	<b>.0767785</b>	<b>-1.02</b>	<b>0.312</b>	<b>-.2312081</b>	<b>.074746</b>
timew1w3 w1hei2010_total_scorecent43		<b>0</b>	<b>(omitted)</b>				
		<b>.0185512</b>	<b>.0101707</b>	<b>1.82</b>	<b>0.069</b>	<b>-.0014713</b>	<b>.0385737</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0031017</b>	<b>.0023085</b>	<b>-1.34</b>	<b>0.180</b>	<b>-.0076493</b>	<b>.0014459</b>
timew1w3 w1BMIcon30		<b>0</b>	<b>(omitted)</b>				
		<b>.031709</b>	<b>.0144646</b>	<b>2.19</b>	<b>0.028</b>	<b>.0033589</b>	<b>.0600592</b>
c.timew1w3#c.w1BMIcon30		<b>-.0036817</b>	<b>.0029826</b>	<b>-1.23</b>	<b>0.217</b>	<b>-.0095276</b>	<b>.0021643</b>
timew1w3		<b>0</b>	<b>(omitted)</b>				
w1SRH 2		<b>.2680392</b>	<b>.2930314</b>	<b>0.91</b>	<b>0.360</b>	<b>-.3063052</b>	<b>.8423835</b>
3		<b>.021065</b>	<b>.3223393</b>	<b>0.07</b>	<b>0.948</b>	<b>-.6107339</b>	<b>.6528639</b>
w1SRH#c.timew1w3 2		<b>-.0419887</b>	<b>.061586</b>	<b>-0.68</b>	<b>0.495</b>	<b>-.1626965</b>	<b>.0787191</b>
3		<b>.0459419</b>	<b>.067308</b>	<b>0.68</b>	<b>0.495</b>	<b>-.0859807</b>	<b>.1778646</b>
timew1w3 w1CEScent15		<b>0</b>	<b>(omitted)</b>				
		<b>-.0292927</b>	<b>.0096226</b>	<b>-3.04</b>	<b>0.002</b>	<b>-.0481528</b>	<b>-.0104325</b>
c.timew1w3#c.w1CEScent15		<b>-.0006006</b>	<b>.0020554</b>	<b>-0.29</b>	<b>0.770</b>	<b>-.0046303</b>	<b>.003429</b>
timew1w3		<b>0</b>	<b>(omitted)</b>				
w1dxHTN Yes		<b>.1363745</b>	<b>.2490135</b>	<b>0.55</b>	<b>0.584</b>	<b>-.3519062</b>	<b>.6246553</b>

w1dxHTN#c.timew1w3 Yes		<b>- .0031164</b>	<b>.0530996</b>	<b>-0.06</b>	<b>0.953</b>	<b>-.1072038</b>	<b>.100971</b>
	timew1w3		<b>0</b> (omitted)				
w1dxDiabetes preDiabetes Diabetes		<b>-.3278123</b>	<b>.3034018</b>	<b>-1.08</b>	<b>0.280</b>	<b>-.922561</b>	<b>.2669365</b>
		<b>-.512228</b>	<b>.3350361</b>	<b>-1.53</b>	<b>0.126</b>	<b>-1.169114</b>	<b>.1446583</b>
w1dxDiabetes#c.timew1w3 preDiabetes Diabetes		<b>.0457419</b>	<b>.0650753</b>	<b>0.70</b>	<b>0.482</b>	<b>-.0818117</b>	<b>.1732955</b>
	timew1w3		<b>-.0427766</b>	<b>.0742466</b>	<b>-0.58</b>	<b>0.565</b>	<b>-.1886508</b>
w1CVhighChol Yes			<b>0</b> (omitted)				
w1CVhighChol#c.timew1w3 Yes		<b>.0708661</b>	<b>.2643073</b>	<b>0.27</b>	<b>0.789</b>	<b>-.4472074</b>	<b>.5889396</b>
	timew1w3		<b>.1110546</b>	<b>.0637917</b>	<b>1.74</b>	<b>0.084</b>	<b>-.0149023</b>
1.w1cvdbr		<b>.4757031</b>	<b>.3010952</b>	<b>1.58</b>	<b>0.116</b>	<b>-.1179126</b>	<b>1.069319</b>
w1cvdbr#c.timew1w3 1		<b>-.0904373</b>	<b>.0613825</b>	<b>-1.47</b>	<b>0.141</b>	<b>-.2107638</b>	<b>.0298893</b>
	timew1w3		<b>0</b> (omitted)				
invmillsmms		<b>.0115174</b>	<b>.0052916</b>	<b>2.18</b>	<b>0.030</b>	<b>.0011461</b>	<b>.0218887</b>
c.timew1w3#c.invmillsmms		<b>-.0001544</b>	<b>.000971</b>	<b>-0.16</b>	<b>0.874</b>	<b>-.0020576</b>	<b>.0017487</b>
	timew1w3		<b>0</b> (omitted)				
w1HCYcenter2p15		<b>.6851886</b>	<b>.36036</b>	<b>1.90</b>	<b>0.057</b>	<b>-.0211083</b>	<b>1.391485</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0478682</b>	<b>.0777741</b>	<b>-0.62</b>	<b>0.538</b>	<b>-.2003029</b>	<b>.1045665</b>
	_cons	<b>8.409192</b>	<b>.5199245</b>	<b>16.17</b>	<b>0.000</b>	<b>7.390136</b>	<b>9.428247</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity sd(_cons)	<b>2.109791</b>	<b>.0820008</b>	<b>1.955039</b>	<b>2.276793</b>
sd(Residual)	<b>1.774913</b>	<b>.053696</b>	<b>1.672729</b>	<b>1.883338</b>

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214 .
215 .
216 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dob==1 & Sex==1 || HNDID: timew1w3, cov(un)

```

Multiple-imputation estimates Imputations = 5  
 Mixed-effects ML regression Number of obs = 1,603

Group variable: HNDID Number of groups = 835  
 Obs per group:  
     min = 1  
     avg = 1.9  
     max = 2  
     Average RVI = 0.0452  
     Largest FMI = 0.2108

DF adjustment: Large sample DF: min = 104.32  
     avg = 317,298.45  
     max = 4023472.44

Model F test: Equal FMI F( 41, 69039.1) = 12.98  
 Prob > F = 0.0000

	BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.5510442	.1697367	3.25	0.001	.2183081	.8837802
w1Agecent48	.0929591	.0190623	4.88	0.000	.0555942	.1303239
c.timew1w3##c.w1Agecent48	.0085601	.0041484	2.06	0.039	.0004292	.016691
timew1w3	0 (omitted)					
Sex						
Women	0 (omitted)					
Sex#c.timew1w3						
Women	0 (omitted)					
timew1w3	0 (omitted)					
Race						
AfrAm	.7706024	.3355712	2.30	0.022	.1128886	1.428316
Race#c.timew1w3						
AfrAm	.1675971	.0731208	2.29	0.022	.0242822	.3109119
timew1w3	0 (omitted)					
PovStat						
Below	.5338604	.3352062	1.59	0.111	-.1231356	1.190856
PovStat#c.timew1w3						
Below	.0026431	.0717789	0.04	0.971	-.1380412	.1433274
timew1w3	0 (omitted)					
w1edubr						
2	-.6345882	.6693836	-0.95	0.343	-1.947542	.6783656
3	-1.040403	.7325293	-1.42	0.156	-2.477863	.3970567
w1edubr#c.timew1w3						

		2	-.253364	.139106	-1.82	0.069	-.5260068	.0192789
		3	-.3188214	.152813	-2.09	0.037	-.6183418	-.019301
	timew1w3		0 (omitted)					
w1WRATtotalcent42			-.1853172	.024501	-7.56	0.000	-.2333648	-.1372696
c.timew1w3#c.w1WRATtotalcent42			-.0000619	.0051958	-0.01	0.990	-.0102456	.0101219
	timew1w3		0 (omitted)					
1.w1smoke			.0768557	.3534301	0.22	0.828	-.6162515	.7699629
w1smoke#c.timew1w3								
1			-.0090475	.0798343	-0.11	0.910	-.1655921	.147497
	timew1w3		0 (omitted)					
1.w1currdrugs			-.051011	.4927864	-0.10	0.918	-1.022259	.9202369
w1currdrugs#c.timew1w3								
1			.0807852	.1102703	0.73	0.465	-.1368033	.2983738
	timew1w3		0 (omitted)					
w1hei2010_total_scorecent43			-.0072471	.014954	-0.48	0.629	-.0369004	.0224062
c.timew1w3#c.w1hei2010_total_scorecent43			-.0027848	.0034708	-0.80	0.424	-.0096512	.0040817
	timew1w3		0 (omitted)					
w1BMIcon30			-.029417	.0209889	-1.40	0.161	-.0705551	.0117211
c.timew1w3#c.w1BMIcon30			-.0005963	.0045661	-0.13	0.896	-.0095461	.0083534
	timew1w3		0 (omitted)					
w1SRH								
2			-.5305448	.4321439	-1.23	0.220	-1.377533	.316443
3			-.9908818	.473348	-2.09	0.036	-1.918627	-.0631363
w1SRH#c.timew1w3								
2			-.0143741	.0939526	-0.15	0.878	-.1985222	.169774
3			.0185572	.1034542	0.18	0.858	-.1842667	.2213812
	timew1w3		0 (omitted)					
w1CEScent15								
2								
3								
	timew1w3		0 (omitted)					
w1CEScent15								
.0230381	.0146433	1.57	0.116	-.0056876	.0517639			
c.timew1w3#c.w1CEScent15			.0010997	.0031072	0.35	0.723	-.0049904	.0071897
	timew1w3		0 (omitted)					
w1dxHTN								
Yes			.6991671	.3622694	1.93	0.054	-.0110862	1.40942
w1dxHTN#c.timew1w3								
Yes			-.0565941	.0797523	-0.71	0.478	-.212911	.0997228
	timew1w3		0 (omitted)					
w1dxDiabetes								
preDiabetes								
Diabetes			.4626735	.4690214	0.99	0.325	-.4600766	1.385424
w1dxDiabetes#preDiabetes								
Diabetes			-.1733878	.4938917	-0.35	0.726	-1.144501	.7977251
	timew1w3		0 (omitted)					
w1dxDiabetes#preDiabetes								
Diabetes			.021875	.0988401	0.22	0.825	-.1718817	.2156317
w1dxDiabetes#Diabetes								
Diabetes			.1983744	.1071108	1.85	0.064	-.0116447	.4083936

	timew1w3	0 (omitted)					
w1CVhighChol							
Yes	.5053093	.4076847	1.24	0.217	-.2983414	1.30896	
w1CVhighChol#c.timew1w3							
Yes	-.1289069	.0885794	-1.46	0.146	-.3026261	.0448123	
timew1w3		0 (omitted)					
1.w1cvdbr	.1136464	.4248155	0.27	0.789	-.7196867	.9469795	
w1cvdbr#c.timew1w3							
1	-.0698139	.0929673	-0.75	0.453	-.2520386	.1124108	
timew1w3		0 (omitted)					
invmillsmms	-.0194274	.0082961	-2.34	0.019	-.0356875	-.0031674	
c.timew1w3#c.invmillsmms							
	-.0003663	.0016684	-0.22	0.826	-.0036363	.0029038	
timew1w3		0 (omitted)					
w1HCYcenter2p15	.211662	.5288579	0.40	0.689	-.8248842	1.248208	
c.timew1w3#c.w1HCYcenter2p15							
	-.0287053	.1161299	-0.25	0.805	-.2563217	.198911	
_cons	7.268598	.7953089	9.14	0.000	5.708532	8.828663	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.6121237	.0935648	.4536421 .8259713
sd(_cons)	3.746528	.197624	3.378516 4.154626
corr(timew1w3,_cons)	-.4998803	.0473689	-.5868958 -.4014494
sd(Residual)	2.170452	.2685113	1.703093 2.766062

217 .  
 218 .  
 219 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4eobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,448
Group variable: <b>HNDID</b>	
	Number of groups = 821
	Obs per group:
	min = 1
	avg = 1.8
	max = 2
	Average RVI = 0.0471
	Largest FMI = 0.3369
DF adjustment: Large sample	DF: min = 42.58
	avg = 227,922.34
	max = 2330877.92
Model F test: Equal FMI	F( 41,62334.1) = 7.11
	Prob > F = 0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0630849</b>	<b>.0814092</b>	<b>-0.77</b>	<b>0.438</b>	<b>-.2226459</b> <b>.0964762</b>
w1Agecent48	<b>-.0186021</b>	<b>.0091533</b>	<b>-2.03</b>	<b>0.042</b>	<b>-.0365428</b> <b>-.0006613</b>
c.timew1w3#c.w1Agecent48	<b>-.0022954</b>	<b>.0020439</b>	<b>-1.12</b>	<b>0.261</b>	<b>-.0063015</b> <b>.0017107</b>
timew1w3	0	(omitted)			
Sex Women	0	(omitted)			
Sex#c.timew1w3 Women	0	(omitted)			
timew1w3	0	(omitted)			
Race AfrAm	<b>-.8254133</b>	<b>.1626709</b>	<b>-5.07</b>	<b>0.000</b>	<b>-1.144255</b> <b>-.506572</b>
Race#c.timew1w3 AfrAm	<b>.0694071</b>	<b>.0361659</b>	<b>1.92</b>	<b>0.055</b>	<b>-.0014779</b> <b>.1402921</b>
timew1w3	0	(omitted)			
PovStat Below	<b>-.3489025</b>	<b>.1628265</b>	<b>-2.14</b>	<b>0.032</b>	<b>-.6680423</b> <b>-.0297626</b>
PovStat#c.timew1w3 Below	<b>-.0060688</b>	<b>.0353406</b>	<b>-0.17</b>	<b>0.864</b>	<b>-.0753353</b> <b>.0631976</b>
timew1w3	0	(omitted)			
w1edubr 2	<b>.3096421</b>	<b>.3153796</b>	<b>0.98</b>	<b>0.326</b>	<b>-.3084914</b> <b>.9277756</b>
3	<b>.2276487</b>	<b>.3424172</b>	<b>0.66</b>	<b>0.506</b>	<b>-.4434998</b> <b>.8987971</b>
w1edubr#c.timew1w3 2	<b>.0601081</b>	<b>.0672322</b>	<b>0.89</b>	<b>0.371</b>	<b>-.0716674</b> <b>.1918837</b>
3	<b>.0274287</b>	<b>.0736711</b>	<b>0.37</b>	<b>0.710</b>	<b>-.1169683</b> <b>.1718256</b>
timew1w3 w1WRATtotalcent42	0	(omitted)			
w1WRATtotalcent42	<b>.0758934</b>	<b>.0118637</b>	<b>6.40</b>	<b>0.000</b>	<b>.0526372</b> <b>.0991495</b>
c.timew1w3#c.w1WRATtotalcent42	<b>.0055069</b>	<b>.0026275</b>	<b>2.10</b>	<b>0.036</b>	<b>.000357</b> <b>.0106567</b>
timew1w3 1.w1smoke	0	(omitted)			
1.w1smoke	<b>.0102312</b>	<b>.1996859</b>	<b>0.05</b>	<b>0.959</b>	<b>-.3925878</b> <b>.4130502</b>
w1smoke#c.timew1w3 1	<b>-.0165549</b>	<b>.0396046</b>	<b>-0.42</b>	<b>0.676</b>	<b>-.0942899</b> <b>.06118</b>
timew1w3 1.w1currdrugs	0	(omitted)			
1.w1currdrugs	<b>.4856716</b>	<b>.2237208</b>	<b>2.17</b>	<b>0.030</b>	<b>.0470754</b> <b>.9242677</b>
w1currdrugs#c.timew1w3 1	<b>-.1179412</b>	<b>.0511709</b>	<b>-2.30</b>	<b>0.021</b>	<b>-.2183085</b> <b>-.0175738</b>
timew1w3 w1hei2010_total_scorecent43	0	(omitted)			
w1hei2010_total_scorecent43	<b>-.0017239</b>	<b>.0071822</b>	<b>-0.24</b>	<b>0.811</b>	<b>-.0159368</b> <b>.012489</b>
c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0004975</b>	<b>.001634</b>	<b>0.30</b>	<b>0.761</b>	<b>-.00272</b> <b>.003715</b>

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0202948</b>	<b>.0102346</b>	<b>-1.98</b>	<b>0.047</b>	<b>-.0403566</b>	<b>-.000233</b>
c.timew1w3#c.w1BMIcon30		<b>- .0004586</b>	<b>.0022115</b>	<b>-0.21</b>	<b>0.836</b>	<b>-.0047932</b>	<b>.003876</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>.7130167</b>	<b>.2097818</b>	<b>3.40</b>	<b>0.001</b>	<b>.3018438</b>	<b>1.12419</b>
3		<b>.7175179</b>	<b>.2295616</b>	<b>3.13</b>	<b>0.002</b>	<b>.2675743</b>	<b>1.167462</b>
w1SRH#c.timew1w3							
2		<b>-.1111871</b>	<b>.0458934</b>	<b>-2.42</b>	<b>0.015</b>	<b>-.2011365</b>	<b>-.0212376</b>
3		<b>-.0632346</b>	<b>.0499483</b>	<b>-1.27</b>	<b>0.206</b>	<b>-.1611345</b>	<b>.0346652</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>-.0024645</b>	<b>.006826</b>	<b>-0.36</b>	<b>0.718</b>	<b>-.0158439</b>	<b>.0109149</b>
c.timew1w3#c.w1CEScent15		<b>- .0011529</b>	<b>.0014986</b>	<b>-0.77</b>	<b>0.442</b>	<b>-.0040902</b>	<b>.0017844</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.0498659</b>	<b>.1800154</b>	<b>0.28</b>	<b>0.782</b>	<b>-.3034515</b>	<b>.4031833</b>
w1dxHTN#c.timew1w3							
Yes		<b>-.0135252</b>	<b>.0395775</b>	<b>-0.34</b>	<b>0.733</b>	<b>-.0911287</b>	<b>.0640782</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>-.2715078</b>	<b>.2152764</b>	<b>-1.26</b>	<b>0.207</b>	<b>-.6934845</b>	<b>.150469</b>
Diabetes		<b>-.3147736</b>	<b>.2540505</b>	<b>-1.24</b>	<b>0.218</b>	<b>-.8172498</b>	<b>.1877026</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.055478</b>	<b>.0475757</b>	<b>1.17</b>	<b>0.244</b>	<b>-.0377689</b>	<b>.1487248</b>
Diabetes		<b>.0052368</b>	<b>.0542924</b>	<b>0.10</b>	<b>0.923</b>	<b>-.1014774</b>	<b>.1119511</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>.0853956</b>	<b>.2156116</b>	<b>0.40</b>	<b>0.694</b>	<b>-.346833</b>	<b>.5176243</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0097253</b>	<b>.0455482</b>	<b>0.21</b>	<b>0.831</b>	<b>-.0799738</b>	<b>.0994244</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>-.0353924</b>	<b>.216822</b>	<b>-0.16</b>	<b>0.871</b>	<b>-.4637358</b>	<b>.3929509</b>
w1cvdbr#c.timew1w3							
1		<b>.0458541</b>	<b>.0475943</b>	<b>0.96</b>	<b>0.336</b>	<b>-.0478388</b>	<b>.139547</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.0028072</b>	<b>.0037852</b>	<b>0.74</b>	<b>0.458</b>	<b>-.0046117</b>	<b>.0102261</b>
c.timew1w3#c.invmillsmms		<b>-.0011909</b>	<b>.0007539</b>	<b>-1.58</b>	<b>0.114</b>	<b>-.0026684</b>	<b>.0002867</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>.2101869</b>	<b>.2711011</b>	<b>0.78</b>	<b>0.438</b>	<b>-.3211655</b>	<b>.7415393</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0002451</b>	<b>.0597521</b>	<b>0.00</b>	<b>0.997</b>	<b>-.1168669</b>	<b>.117357</b>

	<u>_cons</u>	<b>6.587617</b>	<b>.3762397</b>	<b>17.51</b>	<b>0.000</b>	<b>5.850194</b>	<b>7.325041</b>
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0977119</b>	<b>.1579023</b>	<b>.0041153</b>	<b>2.320047</b>
sd(_cons)	<b>1.445947</b>	<b>.1391805</b>	<b>1.197345</b>	<b>1.746166</b>
corr(timew1w3,_cons)	<b>-.1490577</b>	<b>.3295854</b>	<b>-.6700489</b>	<b>.4703181</b>
sd(Residual)	<b>1.333659</b>	<b>.1299136</b>	<b>1.101863</b>	<b>1.614217</b>

220 .  
221 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbl c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4fobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,606
Group variable: HNDID		
Number of groups	=	833
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0514
Largest FMI	=	0.3186
DF adjustment: Large sample	DF:	min = 47.42 avg = 3615840.77 max = 1.56e+08
Model F test: Equal FMI	F( 41, 53405.1)	= 6.37 Prob > F = 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.1239963</b>	<b>.1623319</b>	<b>-0.76</b>	<b>0.445</b>	<b>-.4421668</b>	<b>.1941741</b>
w1Agecent48	<b>-.0759067</b>	<b>.0204493</b>	<b>-3.71</b>	<b>0.000</b>	<b>-.1159867</b>	<b>-.0358267</b>
c.timew1w3#c.w1Agecent48	<b>-.0021746</b>	<b>.0041391</b>	<b>-0.53</b>	<b>0.599</b>	<b>-.0102893</b>	<b>.0059402</b>
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	<b>-1.989515</b>	<b>.366386</b>	<b>-5.43</b>	<b>0.000</b>	<b>-2.707666</b>	<b>-1.271364</b>
Race#c.timew1w3						
AfrAm	<b>-.0095892</b>	<b>.0721452</b>	<b>-0.13</b>	<b>0.894</b>	<b>-.1509925</b>	<b>.131814</b>
timew1w3	0	(omitted)				

PovStat Below		<b>- .6663936</b>	<b>.3642292</b>	<b>-1.83</b>	<b>0.067</b>	<b>-1.380283</b>	<b>.0474961</b>
PovStat#c.timew1w3 Below		<b>.0095393</b>	<b>.0704545</b>	<b>0.14</b>	<b>0.892</b>	<b>-.1285503</b>	<b>.1476288</b>
timew1w3		<b>0</b>	(omitted)				
w1edubr 2		<b>-1.052591</b>	<b>.7089519</b>	<b>-1.48</b>	<b>0.138</b>	<b>-2.442117</b>	<b>.3369346</b>
3		<b>.2205648</b>	<b>.7680976</b>	<b>0.29</b>	<b>0.774</b>	<b>-1.284891</b>	<b>1.726021</b>
w1edubr#c.timew1w3 2		<b>.1778345</b>	<b>.1343297</b>	<b>1.32</b>	<b>0.186</b>	<b>-.0854519</b>	<b>.4411209</b>
3		<b>.1714117</b>	<b>.1476717</b>	<b>1.16</b>	<b>0.246</b>	<b>-.118029</b>	<b>.4608523</b>
timew1w3 w1WRATtotalcent42		<b>0</b>	(omitted)				
c.timew1w3#c.w1WRATtotalcent42		<b>.1518281</b>	<b>.0261391</b>	<b>5.81</b>	<b>0.000</b>	<b>.1005936</b>	<b>.2030625</b>
timew1w3 1.w1smoke		<b>0</b>	(omitted)				
w1smoke#c.timew1w3 1		<b>-.5689466</b>	<b>.4315955</b>	<b>-1.32</b>	<b>0.194</b>	<b>-1.437002</b>	<b>.2991091</b>
timew1w3 1.w1currdrugs		<b>0</b>	(omitted)				
w1currdrugs#c.timew1w3 1		<b>.8553482</b>	<b>.5099917</b>	<b>1.68</b>	<b>0.094</b>	<b>-.1474877</b>	<b>1.858184</b>
timew1w3 w1hei2010_total_scorecent43		<b>0</b>	(omitted)				
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0220886</b>	<b>.0156946</b>	<b>1.41</b>	<b>0.162</b>	<b>-.0090492</b>	<b>.0532264</b>
timew1w3 w1BMIcon30		<b>0</b>	(omitted)				
c.timew1w3#c.w1BMIcon30		<b>.0042405</b>	<b>.0031644</b>	<b>-1.34</b>	<b>0.180</b>	<b>-.0104452</b>	<b>.0019643</b>
timew1w3 w1SRH 2		<b>0</b>	(omitted)				
3		<b>.1423507</b>	<b>.4678355</b>	<b>0.30</b>	<b>0.761</b>	<b>-.7746461</b>	<b>1.059347</b>
w1SRH#c.timew1w3 2		<b>.7601081</b>	<b>.513786</b>	<b>1.48</b>	<b>0.139</b>	<b>-.2470295</b>	<b>1.767246</b>
3		<b>-.0515734</b>	<b>.091686</b>	<b>0.35</b>	<b>0.728</b>	<b>-.1477728</b>	<b>.21163</b>
timew1w3 w1CEScent15		<b>0</b>	(omitted)				
c.timew1w3#c.w1CEScent15		<b>-.0515734</b>	<b>.099333</b>	<b>-0.52</b>	<b>0.604</b>	<b>-.2462631</b>	<b>.1431163</b>
timew1w3 w1CEScent15		<b>0</b>	(omitted)				
c.timew1w3#c.w1CEScent15		<b>-.0297823</b>	<b>.0153482</b>	<b>-1.94</b>	<b>0.052</b>	<b>-.0598671</b>	<b>.0003026</b>
timew1w3		<b>0</b>	(omitted)				
w1dxHTN Yes		<b>.0011271</b>	<b>.0030092</b>	<b>0.37</b>	<b>0.708</b>	<b>-.0047709</b>	<b>.0070251</b>
w1dxHTN Yes		<b>.8119542</b>	<b>.4006575</b>	<b>2.03</b>	<b>0.043</b>	<b>.0252782</b>	<b>1.59863</b>

w1dxHTN#c.timew1w3 Yes		<b>-.0621203</b>	<b>.0794986</b>	<b>-0.78</b>	<b>0.435</b>	<b>-.2180174</b>	<b>.0937768</b>
	timew1w3	<b>0</b>	(omitted)				
w1dxDiabetes preDiabetes Diabetes		<b>-.6210655</b>	<b>.4886699</b>	<b>-1.27</b>	<b>0.204</b>	<b>-1.579692</b>	<b>.3375611</b>
		<b>-.4399213</b>	<b>.5291516</b>	<b>-0.83</b>	<b>0.406</b>	<b>-1.479197</b>	<b>.5993541</b>
w1dxDiabetes#c.timew1w3 preDiabetes Diabetes		<b>.0333166</b>	<b>.0959911</b>	<b>0.35</b>	<b>0.729</b>	<b>-.1548397</b>	<b>.221473</b>
	timew1w3	<b>.0837971</b>	<b>.1051118</b>	<b>0.80</b>	<b>0.425</b>	<b>-.1222331</b>	<b>.2898272</b>
w1CVhighChol Yes		<b>-.2065376</b>	<b>.461176</b>	<b>-0.45</b>	<b>0.656</b>	<b>-1.126528</b>	<b>.7134528</b>
w1CVhighChol#c.timew1w3 Yes		<b>.1325203</b>	<b>.0927992</b>	<b>1.43</b>	<b>0.155</b>	<b>-.0504406</b>	<b>.3154813</b>
	timew1w3 1.w1cvdbr	<b>0</b>	(omitted)	<b>.2062559</b>	<b>.4548656</b>	<b>0.45</b>	<b>0.650</b>
w1cvdbr#c.timew1w3 1		<b>-.0236828</b>	<b>.0920101</b>	<b>-0.26</b>	<b>0.797</b>	<b>-.2041022</b>	<b>.1567367</b>
	timew1w3 invmillsmms	<b>0</b>	(omitted)	<b>.0136283</b>	<b>.0090171</b>	<b>1.51</b>	<b>0.131</b>
c.timew1w3#c.invmillsmms		<b>-.00246</b>	<b>.0016106</b>	<b>-1.53</b>	<b>0.127</b>	<b>-.0056167</b>	<b>.0006966</b>
	timew1w3 w1HCYcenter2p15	<b>0</b>	(omitted)	<b>-.7603525</b>	<b>.5728264</b>	<b>-1.33</b>	<b>0.184</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0423601</b>	<b>.1147395</b>	<b>0.37</b>	<b>0.712</b>	<b>-.1825265</b>	<b>.2672467</b>
	_cons	<b>19.80217</b>	<b>.8489835</b>	<b>23.32</b>	<b>0.000</b>	<b>18.13758</b>	<b>21.46676</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	<b>.3100069</b>	<b>.1692282</b>	<b>.1063381</b>	<b>.9037617</b>	
sd(_cons)	<b>3.819827</b>	<b>.2052757</b>	<b>3.437955</b>	<b>4.244117</b>	
corr(timew1w3,_cons)	<b>-.1367739</b>	<b>.1691063</b>	<b>-.4425532</b>	<b>.1974988</b>	
sd(Residual)	<b>2.747147</b>	<b>.2149479</b>	<b>2.356552</b>	<b>3.202481</b>	

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222 .
223 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4gobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

```

Multiple-imputation estimates Imputations = 5  
Mixed-effects ML regression Number of obs = 1,573

Group variable: HNDID Number of groups = 830  
Obs per group:  
min = 1  
avg = 1.9  
max = 2  
Average RVI = .  
Largest FMI = .  
DF adjustment: Large sample DF: min = 0.00  
avg = .  
max = .

Model F test: Equal FMI F( 41,55447.3) = 6.93  
Prob > F = 0.0000

	DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0020197	.0658069	0.03	0.976	.1269649	.1310043
w1Agecent48	.0023464	.0081267	0.29	0.773	-.0135845	.0182772
c.timew1w3##c.w1Agecent48	-.0041505	.0016588	-2.50	0.012	-.0074018	-.0008991
timew1w3	0 (omitted)					
Sex						
Women	0 (omitted)					
Sex#c.timew1w3						
Women	0 (omitted)					
timew1w3	0 (omitted)					
Race						
AfrAm	-.3119595	.143302	-2.18	0.029	-.592844	-.031075
Race#c.timew1w3						
AfrAm	.0021226	.0292691	0.07	0.942	-.055244	.0594891
timew1w3	0 (omitted)					
PovStat						
Below	-.1014481	.1419537	-0.71	0.475	-.3796751	.176779
PovStat#c.timew1w3						
Below	-.0139754	.0284701	-0.49	0.624	-.0697762	.0418254
timew1w3	0 (omitted)					
w1edubr						
2	.035806	.2797222	0.13	0.898	-.5124594	.5840714
3	.2339645	.3035848	0.77	0.441	-.36112	.829049
w1edubr#c.timew1w3						
2	.0164119	.0535334	0.31	0.759	-.0885118	.1213356

	3	<b>- .0222127</b>	<b>.0589661</b>	<b>-0.38</b>	<b>0.706</b>	<b>-.137787</b>	<b>.0933616</b>
	timew1w3	0	(omitted)				
w1WRATTtotalcent42		<b>.1164005</b>	<b>.0104181</b>	<b>11.17</b>	<b>0.000</b>	<b>.0959693</b>	<b>.1368318</b>
c.timew1w3#c.w1WRATTtotalcent42		<b>-.0012561</b>	<b>.0020956</b>	<b>-0.60</b>	<b>0.549</b>	<b>-.0053634</b>	<b>.0028512</b>
	timew1w3	0	(omitted)				
1.w1smoke		<b>.3283163</b>	<b>.1652145</b>	<b>1.99</b>	<b>0.051</b>	<b>-.0018558</b>	<b>.6584884</b>
w1smoke#c.timew1w3							
1		<b>-.0137443</b>	<b>.0320681</b>	<b>-0.43</b>	<b>0.668</b>	<b>-.0766563</b>	<b>.0491676</b>
	timew1w3	0	(omitted)				
1.w1currdrugs		<b>.2413254</b>	<b>.2074714</b>	<b>1.16</b>	<b>0.247</b>	<b>-.1692233</b>	<b>.6518741</b>
w1currdrugs#c.timew1w3							
1		<b>-.0062497</b>	<b>.0426744</b>	<b>-0.15</b>	<b>0.884</b>	<b>-.0901267</b>	<b>.0776273</b>
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		<b>-.000017</b>	<b>.0060486</b>	<b>-0.00</b>	<b>0.998</b>	<b>-.0119656</b>	<b>.0119316</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0005726</b>	<b>.0013053</b>	<b>0.44</b>	<b>0.661</b>	<b>-.0019901</b>	<b>.0031353</b>
	timew1w3	0	(omitted)				
w1BMIcon30		<b>-.0084798</b>	<b>.0090196</b>	<b>-0.94</b>	<b>0.347</b>	<b>-.0261633</b>	<b>.0092038</b>
c.timew1w3#c.w1BMIcon30		<b>-.0040851</b>	<b>.0018077</b>	<b>-2.26</b>	<b>0.024</b>	<b>-.0076288</b>	<b>-.0005414</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>.0230835</b>	<b>.1828013</b>	<b>0.13</b>	<b>0.900</b>	<b>-.3352015</b>	<b>.3813685</b>
3		<b>.2788573</b>	<b>.2002366</b>	<b>1.39</b>	<b>0.164</b>	<b>-.113611</b>	<b>.6713256</b>
w1SRH#c.timew1w3							
2		<b>.009143</b>	<b>.0373277</b>	<b>0.24</b>	<b>0.807</b>	<b>-.0640192</b>	<b>.0823051</b>
3		<b>-.0224714</b>	<b>.0405206</b>	<b>-0.55</b>	<b>0.579</b>	<b>-.1018963</b>	<b>.0569536</b>
	timew1w3	0	(omitted)				
w1CEScent15							
timew1w3		<b>.0005627</b>	<b>.0060011</b>	<b>0.09</b>	<b>0.925</b>	<b>-.0111996</b>	<b>.0123249</b>
c.timew1w3#c.w1CEScent15		<b>.0002729</b>	<b>.0012395</b>	<b>0.22</b>	<b>0.826</b>	<b>-.002157</b>	<b>.0027028</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.1802774</b>	<b>.1533713</b>	<b>1.18</b>	<b>0.240</b>	<b>-.1203668</b>	<b>.4809216</b>
w1dxHTN#c.timew1w3							
Yes		<b>.0139907</b>	<b>.0321644</b>	<b>0.43</b>	<b>0.664</b>	<b>-.0490776</b>	<b>.0770589</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>-.1112348</b>	<b>.1937998</b>	<b>-0.57</b>	<b>0.566</b>	<b>-.4915623</b>	<b>.2690926</b>
Diabetes		<b>-.2196515</b>	<b>.2061872</b>	<b>-1.07</b>	<b>0.287</b>	<b>-.6242072</b>	<b>.1849042</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0251469</b>	<b>.0389451</b>	<b>0.65</b>	<b>0.518</b>	<b>-.0511868</b>	<b>.1014806</b>
Diabetes		<b>.0525255</b>	<b>.0442718</b>	<b>1.19</b>	<b>0.236</b>	<b>-.03441</b>	<b>.1394609</b>
	timew1w3	0	(omitted)				

w1CVhighChol Yes		<b>-.1785495</b>	<b>.1729192</b>	<b>-1.03</b>	<b>0.304</b>	<b>-.5204331</b>	<b>.1633341</b>
w1CVhighChol#c.timew1w3 Yes		<b>-.0057568</b>	<b>.0357323</b>	<b>-0.16</b>	<b>0.872</b>	<b>-.0758539</b>	<b>.0643404</b>
timew1w3 1.w1cvdbr		<b>0</b> (omitted)	<b>-.1494853</b>	<b>.1805527</b>	<b>-0.83</b>	<b>0.408</b>	<b>-.504595</b>
w1cvdbr#c.timew1w3 1		<b>.0353637</b>	<b>.0376157</b>	<b>0.94</b>	<b>0.347</b>	<b>-.0384736</b>	<b>.109201</b>
timew1w3 invmillsmms		<b>0</b> (omitted)	<b>.007468</b>	<b>.0035288</b>	<b>2.12</b>	<b>0.034</b>	<b>.0005517</b>
c.timew1w3#c.invmillsmms		<b>-.0006186</b>	<b>.0006422</b>	<b>-0.96</b>	<b>0.335</b>	<b>-.0018773</b>	<b>.00064</b>
timew1w3 w1HCYcenter2p15		<b>0</b> (omitted)	<b>-.0650171</b>	<b>.2273231</b>	<b>-0.29</b>	<b>0.775</b>	<b>-.5105657</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0465532</b>	<b>.0473777</b>	<b>-0.98</b>	<b>0.326</b>	<b>-.1394125</b>	<b>.0463061</b>
_cons		<b>7.003946</b>	<b>.3322611</b>	<b>21.08</b>	<b>0.000</b>	<b>6.35263</b>	<b>7.655263</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0282865</b>	.	.
sd(_cons)	<b>1.418573</b>	.	.
corr(timew1w3,_cons)	<b>.999982</b>	.	.
sd(Residual)	<b>1.173683</b>	.	.

224 .  
225 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4hobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,569

Group variable: HNDID

Number of groups	=	831
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI = .  
Largest FMI = .

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 41, 45075.2)	=	10.73
Prob > F	=	0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.1030208</b>	.067983	-1.52	0.130	-.2362885 .0302469
w1Agecent48	<b>-.0069442</b>	.0079959	-0.87	0.385	-.0226166 .0087282
c.timew1w3#c.w1Agecent48	<b>-.0022596</b>	.0017056	-1.32	0.185	-.0056027 .0010836
timew1w3	0	(omitted)			
Sex Women	0	(omitted)			
Sex#c.timew1w3 Women	0	(omitted)			
timew1w3	0	(omitted)			
Race AfrAm	<b>-.5068739</b>	.1401534	-3.62	0.000	-.7815733 -.2321745
Race#c.timew1w3 AfrAm	<b>-.0135067</b>	.0299487	-0.45	0.652	-.0722064 .0451931
timew1w3	0	(omitted)			
PovStat Below	<b>-.1862084</b>	.139634	-1.33	0.182	-.459891 .0874743
PovStat#c.timew1w3 Below	<b>.0132321</b>	.029075	0.46	0.649	-.0437538 .070218
timew1w3	0	(omitted)			
w1edubr 2	<b>-.2791901</b>	.2743838	-1.02	0.309	-.8169821 .2586018
3	<b>-.0941195</b>	.29815	-0.32	0.752	-.6785214 .4902823
w1edubr#c.timew1w3 2	<b>.1181062</b>	.0551796	2.14	0.032	.0099555 .2262569
3	<b>.0656555</b>	.0606165	1.08	0.279	-.0531527 .1844637
timew1w3 w1WRATtotalcent42	0	(omitted)			
	<b>.1328916</b>	.0101301	13.12	0.000	.1130353 .152748
c.timew1w3#c.w1WRATtotalcent42	<b>-.0017678</b>	.0021775	-0.81	0.417	-.0060361 .0025005
timew1w3 1.w1smoke	0	(omitted)			
	<b>-.0220622</b>	.1631026	-0.14	0.893	-.3469161 .3027917
w1smoke#c.timew1w3 1	<b>.0393934</b>	.0344402	1.14	0.254	-.0285199 .1073067
timew1w3 1.w1currdrugs	0	(omitted)			
	<b>.1365805</b>	.2092597	0.65	0.515	-.2778696 .5510307
w1currdrugs#c.timew1w3 1	<b>-.0044638</b>	.0453903	-0.10	0.922	-.0941201 .0851926
timew1w3 w1hei2010_total_scorecent43	0	(omitted)			
	<b>-.0005214</b>	.0057375	-0.09	0.928	-.0117767 .0107338
c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0026372</b>	.0014669	1.80	0.076	-.0002862 .0055606

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0007082</b>	<b>.0088302</b>	<b>-0.08</b>	<b>0.936</b>	<b>- .0180158</b>	<b>.0165994</b>
c.timew1w3#c.w1BMIcon30		<b>- .0047053</b>	<b>.0018533</b>	<b>-2.54</b>	<b>0.011</b>	<b>- .008338</b>	<b>- .0010726</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>.0173858</b>	<b>.1805059</b>	<b>0.10</b>	<b>0.923</b>	<b>- .336417</b>	<b>.3711886</b>
3		<b>.332002</b>	<b>.1994177</b>	<b>1.66</b>	<b>0.096</b>	<b>- .0589773</b>	<b>.7229812</b>
w1SRH#c.timew1w3							
2		<b>- .0386253</b>	<b>.0381017</b>	<b>-1.01</b>	<b>0.311</b>	<b>- .1133042</b>	<b>.0360537</b>
3		<b>- .049648</b>	<b>.0414519</b>	<b>-1.20</b>	<b>0.231</b>	<b>- .1308968</b>	<b>.0316009</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>.0030734</b>	<b>.0058858</b>	<b>0.52</b>	<b>0.602</b>	<b>- .0084626</b>	<b>.0146095</b>
c.timew1w3#c.w1CEScent15		<b>- .0014834</b>	<b>.0012545</b>	<b>-1.18</b>	<b>0.237</b>	<b>- .0039422</b>	<b>.0009754</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>- .1459399</b>	<b>.1509967</b>	<b>-0.97</b>	<b>0.334</b>	<b>- .441899</b>	<b>.1500193</b>
w1dxHTN#c.timew1w3							
Yes		<b>.062974</b>	<b>.0326911</b>	<b>1.93</b>	<b>0.054</b>	<b>- .0011055</b>	<b>.1270535</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>.200901</b>	<b>.1964714</b>	<b>1.02</b>	<b>0.307</b>	<b>- .1855048</b>	<b>.5873068</b>
Diabetes		<b>-.1031157</b>	<b>.206591</b>	<b>-0.50</b>	<b>0.618</b>	<b>- .5089143</b>	<b>.3026828</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>- .0059982</b>	<b>.0400265</b>	<b>-0.15</b>	<b>0.881</b>	<b>- .0844501</b>	<b>.0724537</b>
Diabetes		<b>-.0033242</b>	<b>.0448731</b>	<b>-0.07</b>	<b>0.941</b>	<b>- .0913628</b>	<b>.0847145</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>- .1635651</b>	<b>.1685625</b>	<b>-0.97</b>	<b>0.333</b>	<b>- .4954999</b>	<b>.1683697</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0189725</b>	<b>.0370423</b>	<b>0.51</b>	<b>0.609</b>	<b>- .0537571</b>	<b>.091702</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>.0203149</b>	<b>.1987703</b>	<b>0.10</b>	<b>0.919</b>	<b>- .3779478</b>	<b>.4185776</b>
w1cvdbr#c.timew1w3							
1		<b>.0385473</b>	<b>.0407924</b>	<b>0.94</b>	<b>0.346</b>	<b>- .0421298</b>	<b>.1192245</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.0053053</b>	<b>.0034596</b>	<b>1.53</b>	<b>0.125</b>	<b>- .0014755</b>	<b>.0120861</b>
c.timew1w3#c.invmillsmms		<b>.0001476</b>	<b>.0006617</b>	<b>0.22</b>	<b>0.824</b>	<b>- .0011494</b>	<b>.0014446</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>- .058006</b>	<b>.2238148</b>	<b>-0.26</b>	<b>0.796</b>	<b>- .4966776</b>	<b>.3806657</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0338483</b>	<b>.0484577</b>	<b>0.70</b>	<b>0.485</b>	<b>- .0611308</b>	<b>.1288274</b>

	<u>cons</u>	<b>6.042586</b>	<b>.3273937</b>	<b>18.46</b>	<b>0.000</b>	<b>5.400785</b>	<b>6.684386</b>
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.014569</b>	.	.
sd(_cons)	<b>1.337292</b>	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.
sd(Residual)	<b>1.212593</b>	.	.

226 .  
227 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4iobs==1 & Sex==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	<b>1,608</b>
Group variable: HNDID		
Number of groups	=	<b>835</b>
Obs per group:		
min	=	<b>1</b>
avg	=	<b>1.9</b>
max	=	<b>2</b>
Average RVI	=	<b>0.0466</b>
Largest FMI	=	<b>0.2367</b>
DF adjustment: Large sample	DF:	min = <b>83.67</b>
	avg	= <b>179,193.20</b>
	max	= <b>3153123.45</b>
Model F test: Equal FMI	F(	<b>41,64711.5</b> ) = <b>4.83</b>
	Prob > F	= <b>0.0000</b>

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0877517</b>	<b>.0524505</b>	<b>-1.67</b>	<b>0.094</b>	<b>-.1905704</b> <b>.015067</b>
w1Agecent48	<b>-.0001055</b>	<b>.0049649</b>	<b>-0.02</b>	<b>0.983</b>	<b>-.0098388</b> <b>.0096278</b>
c.timew1w3##c.w1Agecent48	<b>-.0013078</b>	<b>.0013086</b>	<b>-1.00</b>	<b>0.318</b>	<b>-.0038728</b> <b>.0012572</b>
timew1w3	<b>0</b>	(omitted)			
Sex					
Women	<b>0</b>	(omitted)			
Sex#c.timew1w3					
Women	<b>0</b>	(omitted)			
timew1w3	<b>0</b>	(omitted)			
Race					
AfrAm	<b>-.3519863</b>	<b>.0868281</b>	<b>-4.05</b>	<b>0.000</b>	<b>-.5221675</b> <b>-.181805</b>
Race#c.timew1w3					
AfrAm	<b>.0218646</b>	<b>.0230202</b>	<b>0.95</b>	<b>0.342</b>	<b>-.0232571</b> <b>.0669862</b>
timew1w3	<b>0</b>	(omitted)			

PovStat Below	<b>- .0838848</b>	<b>.0868992</b>	<b>-0.97</b>	<b>0.334</b>	<b>-.254207</b>	<b>.0864374</b>
PovStat#c.timew1w3 Below	<b>- .0096732</b>	<b>.0224482</b>	<b>-0.43</b>	<b>0.667</b>	<b>-.0536712</b>	<b>.0343249</b>
timew1w3	<b>0 (omitted)</b>					
w1edubr 2	<b>.0129784</b>	<b>.1767191</b>	<b>0.07</b>	<b>0.941</b>	<b>-.3337993</b>	<b>.3597561</b>
3	<b>.2857818</b>	<b>.190168</b>	<b>1.50</b>	<b>0.133</b>	<b>-.087216</b>	<b>.6587796</b>
w1edubr#c.timew1w3 2	<b>.049075</b>	<b>.0436269</b>	<b>1.12</b>	<b>0.261</b>	<b>-.0364483</b>	<b>.1345982</b>
3	<b>.0431725</b>	<b>.0477581</b>	<b>0.90</b>	<b>0.366</b>	<b>-.0504427</b>	<b>.1367877</b>
timew1w3 w1WRATtotalcent42	<b>0 (omitted)</b>	<b>.0305455</b>	<b>.006242</b>	<b>4.89</b>	<b>0.000</b>	<b>.0183113</b>
c.timew1w3#c.w1WRATtotalcent42	<b>-.0002597</b>	<b>.0016413</b>	<b>-0.16</b>	<b>0.874</b>	<b>-.003477</b>	<b>.0029575</b>
timew1w3 1.w1smoke	<b>0 (omitted)</b>	<b>-.1053226</b>	<b>.1023077</b>	<b>-1.03</b>	<b>0.306</b>	<b>-.3083994</b>
w1smoke#c.timew1w3 1	<b>.0568851</b>	<b>.0260875</b>	<b>2.18</b>	<b>0.030</b>	<b>.0054919</b>	<b>.1082783</b>
timew1w3 1.w1currdrugs	<b>0 (omitted)</b>	<b>.4208419</b>	<b>.1317298</b>	<b>3.19</b>	<b>0.002</b>	<b>.1605356</b>
w1currdrugs#c.timew1w3 1	<b>-.0737959</b>	<b>.0316857</b>	<b>-2.33</b>	<b>0.020</b>	<b>-.1358999</b>	<b>-.0116919</b>
timew1w3 w1hei2010_total_scorecent43	<b>0 (omitted)</b>	<b>-.0002003</b>	<b>.0040122</b>	<b>-0.05</b>	<b>0.960</b>	<b>-.0081543</b>
c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0018758</b>	<b>.0010549</b>	<b>1.78</b>	<b>0.077</b>	<b>-.0002038</b>	<b>.0039554</b>
timew1w3 w1BMIcon30	<b>0 (omitted)</b>	<b>-.0038333</b>	<b>.0055514</b>	<b>-0.69</b>	<b>0.490</b>	<b>-.0147181</b>
c.timew1w3#c.w1BMIcon30	<b>.0005162</b>	<b>.001428</b>	<b>0.36</b>	<b>0.718</b>	<b>-.002283</b>	<b>.0033154</b>
timew1w3	<b>0 (omitted)</b>					
w1SRH 2	<b>.0466533</b>	<b>.1116016</b>	<b>0.42</b>	<b>0.676</b>	<b>-.1720818</b>	<b>.2653885</b>
3	<b>-.1000964</b>	<b>.1221837</b>	<b>-0.82</b>	<b>0.413</b>	<b>-.3395725</b>	<b>.1393796</b>
w1SRH#c.timew1w3 2	<b>.0157745</b>	<b>.0294751</b>	<b>0.54</b>	<b>0.593</b>	<b>-.0419965</b>	<b>.0735456</b>
3	<b>.0429277</b>	<b>.0319437</b>	<b>1.34</b>	<b>0.179</b>	<b>-.0196821</b>	<b>.1055374</b>
timew1w3 w1CEScent15	<b>0 (omitted)</b>	<b>-.0054732</b>	<b>.0036987</b>	<b>-1.48</b>	<b>0.139</b>	<b>-.0127239</b>
c.timew1w3#c.w1CEScent15	<b>.0006213</b>	<b>.0009628</b>	<b>0.65</b>	<b>0.519</b>	<b>-.0012659</b>	<b>.0025084</b>
timew1w3	<b>0 (omitted)</b>					
w1dxHTN Yes	<b>.0808462</b>	<b>.0970942</b>	<b>0.83</b>	<b>0.405</b>	<b>-.1096887</b>	<b>.2713811</b>

w1dxHTN#c.timew1w3						
Yes		<b>- .0386043</b>	<b>.0252379</b>	<b>-1.53</b>	<b>0.126</b>	<b>-.088081</b>
timew1w3		<b>0</b>	(omitted)			
w1dxDiabetes						
preDiabetes		<b>.0099474</b>	<b>.1175263</b>	<b>0.08</b>	<b>0.933</b>	<b>-.2205505</b>
Diabetes		<b>.0288453</b>	<b>.1398168</b>	<b>0.21</b>	<b>0.837</b>	<b>-.249212</b>
w1dxDiabetes#c.timew1w3						
preDiabetes		<b>.0172921</b>	<b>.0307173</b>	<b>0.56</b>	<b>0.574</b>	<b>-.0429371</b>
Diabetes		<b>-.0444564</b>	<b>.0350446</b>	<b>-1.27</b>	<b>0.205</b>	<b>-.1133619</b>
timew1w3		<b>0</b>	(omitted)			
w1CVhighChol						
Yes		<b>-.0508552</b>	<b>.1069407</b>	<b>-0.48</b>	<b>0.635</b>	<b>-.261579</b>
w1CVhighChol#c.timew1w3						
Yes		<b>.0142794</b>	<b>.0276172</b>	<b>0.52</b>	<b>0.605</b>	<b>-.0398763</b>
timew1w3		<b>0</b>	(omitted)			
1.w1cvdbr		<b>-.1002973</b>	<b>.1115997</b>	<b>-0.90</b>	<b>0.369</b>	<b>-.3192888</b>
w1cvdbr#c.timew1w3						
1		<b>.0087532</b>	<b>.0299437</b>	<b>0.29</b>	<b>0.770</b>	<b>-.050063</b>
timew1w3		<b>0</b>	(omitted)			
invmillsmms		<b>.0002796</b>	<b>.0021571</b>	<b>0.13</b>	<b>0.897</b>	<b>-.0039481</b>
c.timew1w3#c.invmillsmms						
		<b>-.0001392</b>	<b>.00052</b>	<b>-0.27</b>	<b>0.789</b>	<b>-.0011584</b>
timew1w3		<b>0</b>	(omitted)			
w1HCYcenter2p15		<b>-.2129266</b>	<b>.1371659</b>	<b>-1.55</b>	<b>0.121</b>	<b>-.481771</b>
c.timew1w3#c.w1HCYcenter2p15						
		<b>-.0095525</b>	<b>.0366143</b>	<b>-0.26</b>	<b>0.794</b>	<b>-.0813158</b>
_cons		<b>8.835999</b>	<b>.2066499</b>	<b>42.76</b>	<b>0.000</b>	<b>8.430709</b>
						<b>9.241288</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0996303</b>	<b>.0440004</b>	<b>.0419242</b>	<b>.2367651</b>
sd(_cons)	<b>.6907415</b>	<b>.0800707</b>	<b>.5503548</b>	<b>.8669387</b>
corr(timew1w3,_cons)	<b>-.2931391</b>	<b>.1877347</b>	<b>-.6072444</b>	<b>.1002129</b>
sd(Residual)	<b>.8878479</b>	<b>.0566575</b>	<b>.7834647</b>	<b>1.006138</b>

```

228 .
229 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4jobs==1 & Sex==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,585
Number of groups = 830
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI = 0.0481
Largest FMI = 0.3257
DF: min = 45.44
      avg = 749,540.85
      max = 1.05e+07
F( 41,62492.4) = 7.27
Prob > F = 0.0000

```

	LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0101828	.0137747	0.74	0.460	.0168152	.0371809
w1Agecent48	.0102592	.0014555	7.05	0.000	.0074064	.0131121
c.timew1w3#c.w1Agecent48	.0002856	.0003427	0.83	0.405	-.0003861	.0009572
timew1w3	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3						
Women	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	.1395253	.0256004	5.45	0.000	.0893493	.1897014
Race#c.timew1w3						
AfrAm	.0023487	.0059904	0.39	0.695	-.0093923	.0140897
timew1w3	0	(omitted)				
PovStat						
Below	.0576429	.025565	2.25	0.024	.0075364	.1077493
PovStat#c.timew1w3						
Below	.0006128	.0058716	0.10	0.917	-.0108954	.0121211
timew1w3	0	(omitted)				
w1edubr						
2	-.0664277	.0511105	-1.30	0.194	-.1666166	.0337613
3	-.012846	.0551583	-0.23	0.816	-.120959	.0952671
w1edubr#c.timew1w3						
2	-.0117087	.0113573	-1.03	0.303	-.0339693	.0105519

	3		<b>- .017938</b>	<b>.0124379</b>	<b>-1.44</b>	<b>0.149</b>	<b>- .042316</b>	<b>.0064399</b>
		timew1w3	0	(omitted)				
	w1WRATTtotalcent42		<b>- .0073643</b>	<b>.0018542</b>	<b>-3.97</b>	<b>0.000</b>	<b>- .0109985</b>	<b>- .00373</b>
c.timew1w3#c.w1WRATTtotalcent42			<b>- .0005882</b>	<b>.0004307</b>	<b>-1.37</b>	<b>0.172</b>	<b>- .0014325</b>	<b>.000256</b>
		timew1w3	0	(omitted)				
	1.w1smoke		<b>.0100705</b>	<b>.0273483</b>	<b>0.37</b>	<b>0.713</b>	<b>- .0435922</b>	<b>.0637331</b>
	w1smoke#c.timew1w3							
	1		<b>.0032179</b>	<b>.006548</b>	<b>0.49</b>	<b>0.623</b>	<b>- .0096194</b>	<b>.0160552</b>
		timew1w3	0	(omitted)				
	1.w1currdrugs		<b>.0291129</b>	<b>.0375659</b>	<b>0.77</b>	<b>0.439</b>	<b>- .044954</b>	<b>.1031798</b>
	w1currdrugs#c.timew1w3							
	1		<b>- .0044114</b>	<b>.0085335</b>	<b>-0.52</b>	<b>0.605</b>	<b>- .0211518</b>	<b>.0123289</b>
		timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43		<b>.0004417</b>	<b>.0012314</b>	<b>0.36</b>	<b>0.722</b>	<b>- .0020379</b>	<b>.0029212</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0001223</b>	<b>.0002854</b>	<b>0.43</b>	<b>0.669</b>	<b>- .0004427</b>	<b>.0006873</b>
		timew1w3	0	(omitted)				
	w1BMIconcept30		<b>.002486</b>	<b>.0016185</b>	<b>1.54</b>	<b>0.125</b>	<b>- .0006868</b>	<b>.0056588</b>
c.timew1w3#c.w1BMIconcept30			<b>- .0006009</b>	<b>.0003699</b>	<b>-1.62</b>	<b>0.104</b>	<b>- .0013258</b>	<b>.0001241</b>
		timew1w3	0	(omitted)				
	w1SRH							
	2		<b>- .0876246</b>	<b>.0330287</b>	<b>-2.65</b>	<b>0.008</b>	<b>- .1523597</b>	<b>- .0228895</b>
	3		<b>- .04729</b>	<b>.0360322</b>	<b>-1.31</b>	<b>0.189</b>	<b>- .1179123</b>	<b>.0233323</b>
	w1SRH#c.timew1w3							
	2		<b>- .0015995</b>	<b>.0077135</b>	<b>-0.21</b>	<b>0.836</b>	<b>- .0167177</b>	<b>.0135187</b>
	3		<b>- .0051473</b>	<b>.008355</b>	<b>-0.62</b>	<b>0.538</b>	<b>- .0215231</b>	<b>.0112284</b>
		timew1w3	0	(omitted)				
	w1CEScent15							
	timew1w3		<b>.0020475</b>	<b>.001089</b>	<b>1.88</b>	<b>0.060</b>	<b>- .0000869</b>	<b>.0041819</b>
c.timew1w3#c.w1CEScent15			<b>.0000103</b>	<b>.0002532</b>	<b>0.04</b>	<b>0.968</b>	<b>- .0004861</b>	<b>.0005066</b>
		timew1w3	0	(omitted)				
	w1dxHTN							
	Yes		<b>- .0173235</b>	<b>.0293799</b>	<b>-0.59</b>	<b>0.556</b>	<b>- .0751615</b>	<b>.0405145</b>
	w1dxHTN#c.timew1w3							
	Yes		<b>.0046809</b>	<b>.006727</b>	<b>0.70</b>	<b>0.487</b>	<b>- .0085147</b>	<b>.0178766</b>
		timew1w3	0	(omitted)				
	w1dxDiabetes							
	preDiabetes		<b>.0183749</b>	<b>.0343675</b>	<b>0.53</b>	<b>0.593</b>	<b>- .0490161</b>	<b>.0857659</b>
	Diabetes		<b>.0191226</b>	<b>.0378196</b>	<b>0.51</b>	<b>0.613</b>	<b>- .0551371</b>	<b>.0933823</b>
	w1dxDiabetes#c.timew1w3							
	preDiabetes		<b>.012947</b>	<b>.007963</b>	<b>1.63</b>	<b>0.104</b>	<b>- .002662</b>	<b>.028556</b>
	Diabetes		<b>.0067927</b>	<b>.0087732</b>	<b>0.77</b>	<b>0.439</b>	<b>- .0104025</b>	<b>.023988</b>
		timew1w3	0	(omitted)				

w1CVhighChol Yes	<b>- .0013828</b>	<b>.0315134</b>	<b>-0.04</b>	<b>0.965</b>	<b>-.0635539</b>	<b>.0607883</b>
w1CVhighChol#c.timew1w3 Yes	<b>.0060219</b>	<b>.0077711</b>	<b>0.77</b>	<b>0.439</b>	<b>-.0093135</b>	<b>.0213574</b>
timew1w3 1.w1cvdbr	<b>0</b> (omitted) <b>.0303501</b>	<b>.0362059</b>	<b>0.84</b>	<b>0.405</b>	<b>-.0420097</b>	<b>.1027099</b>
w1cvdbr#c.timew1w3 1	<b>.0002947</b>	<b>.0077385</b>	<b>0.04</b>	<b>0.970</b>	<b>-.0148927</b>	<b>.0154821</b>
timew1w3 invmillsmms	<b>0</b> (omitted) <b>-.0006011</b>	<b>.00063</b>	<b>-0.95</b>	<b>0.340</b>	<b>-.0018358</b>	<b>.0006336</b>
c.timew1w3#c.invmillsmms	<b>-.0001098</b>	<b>.0001339</b>	<b>-0.82</b>	<b>0.412</b>	<b>-.0003722</b>	<b>.0001526</b>
timew1w3 w1HCYcenter2p15	<b>0</b> (omitted) <b>.0980063</b>	<b>.0405802</b>	<b>2.42</b>	<b>0.016</b>	<b>.0184631</b>	<b>.1775496</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0208192</b>	<b>.0096004</b>	<b>-2.17</b>	<b>0.030</b>	<b>-.0396366</b>	<b>-.0020018</b>
_cons	<b>3.405673</b>	<b>.0606273</b>	<b>56.17</b>	<b>0.000</b>	<b>3.286831</b>	<b>3.524516</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Independent			
sd(timew1w3)	<b>.0248018</b>	<b>.006828</b>	<b>.0144592</b>
sd(_cons)	<b>.2352141</b>	<b>.0096175</b>	<b>.2170997</b>
sd(Residual)	<b>.2297111</b>	<b>.0096564</b>	<b>.2115435</b>
			<b>.249439</b>

230 .

```
231 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4kobs==1 & Sex==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,529
Group variable: HNDID	Number of groups = 824
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
DF adjustment: Large sample	Average RVI = 0.0565
	Largest FMI = 0.2824
	DF: min = 59.73
	avg = 107,705.33
	max = 2312670.20
Model F test: Equal FMI	F( 41, 44897.9) = 12.13
	Prob > F = 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0279039	.0230443	1.21	0.226	-.0173365 .0731442
w1Agecent48	.0130053	.0025731	5.05	0.000	.007962 .0180485
c.timew1w3#c.w1Agecent48	.0010921	.0005516	1.98	0.048	.0000109 .0021734
timew1w3	0	(omitted)			
Sex Women	0	(omitted)			
Sex#c.timew1w3 Women	0	(omitted)			
timew1w3	0	(omitted)			
Race AfrAm	.3523064	.0454802	7.75	0.000	.2631652 .4414476
Race#c.timew1w3 AfrAm	-.0029782	.0096058	-0.31	0.757	-.0218054 .015849
timew1w3	0	(omitted)			
PovStat Below	.0733541	.0455324	1.61	0.107	-.0158904 .1625987
PovStat#c.timew1w3 Below	.0043305	.0095298	0.45	0.650	-.014348 .0230091
timew1w3	0	(omitted)			
w1edubr 2	.0000578	.090223	0.00	0.999	-.1767873 .1769029
3	-.053821	.0976079	-0.55	0.581	-.2451355 .1374936
w1edubr#c.timew1w3 2	-.00929	.0185083	-0.50	0.616	-.0455699 .02699
3	-.0144427	.0202896	-0.71	0.477	-.0542201 .0253346
timew1w3 w1WRATtotalcent42	0	(omitted)			
- .0253004	.0033285	-7.60	0.000	-.0318244	-.0187764
c.timew1w3#c.w1WRATtotalcent42	-.0003608	.0007239	-0.50	0.618	-.0017797 .0010581
timew1w3 1.w1smoke	0	(omitted)			
-.0374785	.0541322	-0.69	0.491	-.1457693	.0708123
w1smoke#c.timew1w3 1	.0111022	.0112501	0.99	0.325	-.0111161 .0333205
timew1w3 1.w1currdrugs	0	(omitted)			
.0086375	.0676961	0.13	0.899	-.125345	.1426201
w1currdrugs#c.timew1w3 1	-.0255184	.0142951	-1.79	0.075	-.0536655 .0026287
timew1w3 w1hei2010_total_scorecent43	0	(omitted)			
.0003369	.0018693	0.18	0.857	-.0033328	.0040066
c.timew1w3#c.w1hei2010_total_scorecent43	-.0000823	.0004708	-0.17	0.862	-.0010187 .000854

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0025472</b>	<b>.0028408</b>	<b>-0.90</b>	<b>0.370</b>	<b>- .0081151</b>	<b>.0030208</b>
c.timew1w3#c.w1BMIcon30		<b>- .000725</b>	<b>.0005917</b>	<b>-1.23</b>	<b>0.221</b>	<b>- .0018848</b>	<b>.0004349</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>- .1380592</b>	<b>.0591448</b>	<b>-2.33</b>	<b>0.020</b>	<b>- .2540025</b>	<b>- .0221158</b>
3		<b>- .1344486</b>	<b>.0647115</b>	<b>-2.08</b>	<b>0.038</b>	<b>- .2613575</b>	<b>- .0076144</b>
w1SRH#c.timew1w3							
2		<b>- .0003937</b>	<b>.0125102</b>	<b>-0.03</b>	<b>0.975</b>	<b>- .0249155</b>	<b>.0241282</b>
3		<b>- .0059101</b>	<b>.0137947</b>	<b>-0.43</b>	<b>0.668</b>	<b>- .0329626</b>	<b>.0211424</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>.0067074</b>	<b>.0019872</b>	<b>3.38</b>	<b>0.001</b>	<b>.0028065</b>	<b>.0106084</b>
c.timew1w3#c.w1CEScent15		<b>- .0001014</b>	<b>.0004086</b>	<b>-0.25</b>	<b>0.804</b>	<b>- .0009025</b>	<b>.0006996</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.0483617</b>	<b>.0493431</b>	<b>0.98</b>	<b>0.327</b>	<b>- .0483823</b>	<b>.1451057</b>
w1dxHTN#c.timew1w3							
Yes		<b>- .0070847</b>	<b>.0105854</b>	<b>-0.67</b>	<b>0.503</b>	<b>- .0278339</b>	<b>.0136645</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>.1851751</b>	<b>.0596417</b>	<b>3.10</b>	<b>0.002</b>	<b>.0682713</b>	<b>.3020789</b>
Diabetes		<b>.1481869</b>	<b>.0681666</b>	<b>2.17</b>	<b>0.031</b>	<b>.0139882</b>	<b>.2823855</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>- .0245193</b>	<b>.0127501</b>	<b>-1.92</b>	<b>0.055</b>	<b>- .0495142</b>	<b>.0004756</b>
Diabetes		<b>.0031259</b>	<b>.0145789</b>	<b>0.21</b>	<b>0.830</b>	<b>- .0254867</b>	<b>.0317385</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>.0466987</b>	<b>.0559721</b>	<b>0.83</b>	<b>0.405</b>	<b>- .0638456</b>	<b>.1572429</b>
w1CVhighChol#c.timew1w3							
Yes		<b>- .0185294</b>	<b>.0120143</b>	<b>-1.54</b>	<b>0.123</b>	<b>- .0421196</b>	<b>.0050609</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>- .1123599</b>	<b>.0572721</b>	<b>-1.96</b>	<b>0.050</b>	<b>- .2247769</b>	<b>.0000571</b>
w1cvdbr#c.timew1w3							
1		<b>.0103395</b>	<b>.0121818</b>	<b>0.85</b>	<b>0.396</b>	<b>- .0135461</b>	<b>.034225</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>- .0035786</b>	<b>.0011143</b>	<b>-3.21</b>	<b>0.001</b>	<b>- .0057627</b>	<b>- .0013946</b>
c.timew1w3#c.invmillsmms		<b>- .0005703</b>	<b>.0015769</b>	<b>-0.36</b>	<b>0.718</b>	<b>- .0036609</b>	<b>.0025204</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>- .0737323</b>	<b>.0716322</b>	<b>-1.03</b>	<b>0.303</b>	<b>- .2141352</b>	<b>.0666706</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0070921</b>	<b>.0152818</b>	<b>0.46</b>	<b>0.643</b>	<b>- .022865</b>	<b>.0370492</b>

_cons	4.419856	.1083315	40.80	0.000	4.207435	4.632277
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.0607355	.0196706	.0321905	.1145928
sd(_cons)	.4862222	.0314042	.4284012	.5518471
corr(timew1w3,_cons)	-.522003	.062296	-.6333071	-.3895416
sd(Residual)	.3181993	.039652	.2492373	.4062426

```

232 .
233 .
234 . save, replace
      file finaldata_imputed_FINAL.dta saved

235 .
236 .
237 .
238 . *****TABLE 2: HOMOCYSTEINE AT BASELINE VS. COGNITIVE CHANGE OVER TIME: MEN*****
239 .
240 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
241 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,107
Number of groups = 606
Obs per group:
min = 1
avg = 1.8
max = 2
Average RVI =
Largest FMI =
DF: min = 0.00
      avg =
      max =
F( 11, .) = 7.53
Prob > F = 0.0000

```

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0410032	.030838	1.33	0.184	-.0194382 .1014447
w1Agecent48	-.0333473	.0109558	-3.04	0.002	-.0548203 -.0118744
c.timew1w3#c.w1Agecent48	-.0011832	.002112	-0.56	0.575	-.0053225 .0029562
timew1w3	0	(omitted)			
Sex					
Men	0	(omitted)			
Sex#c.timew1w3	0	(omitted)			
Men	0	(omitted)			
timew1w3	0	(omitted)			

Race						
AfrAm	<b>-.5581115</b>	<b>.1938501</b>	<b>-2.88</b>	<b>0.004</b>	<b>-.9380506</b>	<b>-.1781723</b>
Race#c.timew1w3						
AfrAm	<b>-.0487329</b>	<b>.0380392</b>	<b>-1.28</b>	<b>0.200</b>	<b>-.1232883</b>	<b>.0258224</b>
timew1w3		<b>0</b>	(omitted)			
PovStat						
Below	<b>-.7204058</b>	<b>.203723</b>	<b>-3.54</b>	<b>0.000</b>	<b>-1.119696</b>	<b>-.321116</b>
PovStat#c.timew1w3						
Below	<b>.0133365</b>	<b>.0388619</b>	<b>0.34</b>	<b>0.731</b>	<b>-.0628314</b>	<b>.0895044</b>
timew1w3		<b>0</b>	(omitted)			
invmillsmms	<b>-.0022813</b>	<b>.0108092</b>	<b>-0.21</b>	<b>0.833</b>	<b>-.0234669</b>	<b>.0189044</b>
c.timew1w3#c.invmillsmms						
	<b>-.0022391</b>	<b>.0019425</b>	<b>-1.15</b>	<b>0.249</b>	<b>-.0060463</b>	<b>.0015681</b>
timew1w3		<b>0</b>	(omitted)			
w1HCYcenter2p15	<b>-.5135867</b>	<b>.2937478</b>	<b>-1.75</b>	<b>0.080</b>	<b>-1.089322</b>	<b>.0621483</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0031263</b>	<b>.0584216</b>	<b>0.05</b>	<b>0.957</b>	<b>-.1113779</b>
_cons	<b>28.23789</b>	<b>.155349</b>	<b>181.77</b>	<b>0.000</b>	<b>27.93342</b>	<b>28.54237</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.1710925</b>	.	.
sd(_cons)	<b>1.917044</b>	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.
sd(Residual)	<b>1.301464</b>	.	.

```

242 .
243 .
244 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Number of groups = 606
Number of obs = 1,107
Obs per group:
min = 1
avg = 1.8
max = 2
Average RVI = 0.0000
Largest FMI = 0.0000
DF: min = 8.62e+62
avg = 3.32e+69
max =
F( 11, 2.0e+71) = 7.91
Prob > F = 0.0000

```

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.1577202	.2333541	0.68	0.499	-.2996454	.6150858
w1Agecent48	-.2797981	.075907	-3.69	0.000	-.4285732	-.131023
c.timew1w3#c.w1Agecent48	-.008103	.0158992	-0.51	0.610	-.0392649	.0230589
timew1w3	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3						
Men	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	-5.054155	1.343127	-3.76	0.000	-7.686635	-2.421675
Race#c.timew1w3						
AfrAm	-.3086716	.2870167	-1.08	0.282	-.871214	.2538707
timew1w3	0	(omitted)				
PovStat						
Below	-5.395942	1.412025	-3.82	0.000	-8.16346	-2.628425
PovStat#c.timew1w3						
Below	-.1306157	.2920542	-0.45	0.655	-.7030315	.4418001
timew1w3	0	(omitted)				
invmillsmms	-.0105489	.0749338	-0.14	0.888	-.1574164	.1363187
c.timew1w3#c.invmillsmms	-.0165066	.0144742	-1.14	0.254	-.0448755	.0118624
timew1w3	0	(omitted)				
w1HCYcenter2p15	-1.846151	2.035179	-0.91	0.364	-5.835028	2.142725
c.timew1w3#c.w1HCYcenter2p15	-.0292293	.4426281	-0.07	0.947	-.8967644	.8383057
_cons	81.0202	1.075586	75.33	0.000	78.91209	83.12831

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.6578889	.1713473	.3948725	1.096095
sd(_cons)	12.28104	.635327	11.09687	13.59157
corr(timew1w3,_cons)	-.9999997	.0001247	-1	1
sd(Residual)	10.35614	.3374155	9.715489	11.03903

```

245 .
246 .
247 .
248 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4bobs==1 & Sex==2 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Imputations      =      5
Number of obs    = 1,024

Group variable: HNDID
Number of groups = 596
Obs per group:
min = 1
avg = 1.7
max = 2
Average RVI = 0.0000
Largest FMI = 0.0000
DF: min = 2.09e+67
      avg = 2.09e+67
      max = .
Model F test: Equal FMI
F( 11, 1.2e+70) = 56.47
Prob > F = 0.0000

```

	cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-1.180715	.0938737	-12.58	0.000	-1.364704	-.996726
w1Agecent48	-.1399859	.030551	-4.58	0.000	-.1998648	-.080107
c.timew1w3#c.w1Agecent48	-.0161717	.006215	-2.60	0.009	-.0283528	-.0039906
timew1w3	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3						
Men	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	-1.992444	.5409378	-3.68	0.000	-3.052663	-.9322257
Race#c.timew1w3						
AfrAm	.0248366	.1111173	0.22	0.823	-.1929493	.2426224
timew1w3	0	(omitted)				
PovStat						
Below	-1.399579	.5595659	-2.50	0.012	-2.496308	-.3028499
PovStat#c.timew1w3						
Below	-.1281506	.1100908	-1.16	0.244	-.3439247	.0876234
timew1w3	0	(omitted)				
invmillsmms	-.0199711	.0357123	-0.56	0.576	-.0899659	.0500238
c.timew1w3#c.invmillsmms	-.0083344	.0068086	-1.22	0.221	-.0216789	.0050102
timew1w3	0	(omitted)				
w1HCYcenter2p15	.1196695	.8129767	0.15	0.883	-1.473735	1.713074

c.timew1w3#c.w1HCYcenter2p15	<b>-.1365443</b>	<b>.1621546</b>	<b>-0.84</b>	<b>0.400</b>	<b>-.4543615</b>	<b>.1812729</b>
_cons	<b>25.02963</b>	<b>.4391937</b>	<b>56.99</b>	<b>0.000</b>	<b>24.16882</b>	<b>25.89043</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.0000632</b>	<b>.0159887</b>	<b>2.5e-220</b>	<b>1.6e+211</b>
sd(_cons)	<b>4.69521</b>	<b>.2011577</b>	<b>4.317048</b>	<b>5.106498</b>
sd(Residual)	<b>3.745136</b>	<b>.1299169</b>	<b>3.498967</b>	<b>4.008624</b>

249 .

250 .

251 .

252 . mi estimate: mixed CVLfr1 c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4cobs==1 & Sex==2 || HNDID: timew1w3

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	969
Group variable: HNDID	Number of groups	=	578
	Obs per group:		
	min	=	1
	avg	=	1.7
	max	=	2
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF: min	=	4.96e+57
	avg	=	4.59e+66
	max	=	.
Model F test: Equal FMI	F( 11, 2.2e+67)	=	30.56
	Prob > F	=	0.0000

CVLfr1	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.391614</b>	<b>.0473843</b>	<b>-8.26</b>	<b>0.000</b>	<b>-.4844856</b>
w1Agecent48	<b>-.0846036</b>	<b>.0141682</b>	<b>-5.97</b>	<b>0.000</b>	<b>-.1123728</b>
c.timew1w3#c.w1Agecent48	<b>-.0065388</b>	<b>.0031601</b>	<b>-2.07</b>	<b>0.039</b>	<b>-.0127324</b>
timew1w3	0	(omitted)			
Sex					
Men	0	(omitted)			
Sex#c.timew1w3					
Men	0	(omitted)			
timew1w3	0	(omitted)			
Race					
AfrAm	<b>-1.183185</b>	<b>.2515858</b>	<b>-4.70</b>	<b>0.000</b>	<b>-1.676284</b>
Race#c.timew1w3					
AfrAm	<b>.0126125</b>	<b>.0564515</b>	<b>0.22</b>	<b>0.823</b>	<b>-.0980304</b>
timew1w3	0	(omitted)			

PovStat Below	<b>- .278145</b>	<b>.2604463</b>	<b>-1.07</b>	<b>0.286</b>	<b>-.7886105</b>	<b>.2323204</b>
PovStat#c.timew1w3 Below	<b>-.0692126</b>	<b>.0559174</b>	<b>-1.24</b>	<b>0.216</b>	<b>-.1788087</b>	<b>.0403835</b>
timew1w3 invmillsmms	<b>0</b> (omitted)	<b>-.0037887</b>	<b>.0175021</b>	<b>-0.22</b>	<b>0.829</b>	<b>-.0380923</b>
c.timew1w3#c.invmillsmms	<b>-.0030847</b>	<b>.0034188</b>	<b>-0.90</b>	<b>0.367</b>	<b>-.0097854</b>	<b>.003616</b>
timew1w3 w1HCYcenter2p15	<b>0</b> (omitted)	<b>.0611202</b>	<b>.3787844</b>	<b>0.16</b>	<b>0.872</b>	<b>-.6812836</b>
c.timew1w3#c.w1HCYcenter2p15	<b>.0303485</b>	<b>.082214</b>	<b>0.37</b>	<b>0.712</b>	<b>-.130788</b>	<b>.1914849</b>
_cons	<b>7.540679</b>	<b>.2041521</b>	<b>36.94</b>	<b>0.000</b>	<b>7.140549</b>	<b>7.94081</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.0000502</b>	<b>.0148833</b>	<b>1.5e-257</b>	<b>1.7e+248</b>
sd(_cons)	<b>1.992528</b>	<b>.0994539</b>	<b>1.806833</b>	<b>2.197307</b>
sd(Residual)	<b>1.852495</b>	<b>.0669284</b>	<b>1.725854</b>	<b>1.988428</b>

253 .  
 254 .  
 255 .  
 256 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4dobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,148

Group variable: HNDID

Number of groups	=	608
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI = 0.0000  
 Largest FMI = 0.0000

DF adjustment: Large sample

DF:	min	=	2.51e+60
	avg	=	9.84e+62
	max	=	.

Model F test: Equal FMI

F( 11, 6.1e+65)	=	24.60
Prob > F	=	0.0000

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.2908741	.0634247	4.59	0.000	.166564 .4151841
w1Agecent48	.1464905	.0220729	6.64	0.000	.1032284 .1897526
c.timew1w3#c.w1Agecent48	.0086332	.0044032	1.96	0.050	3.08e-06 .0172633
timew1w3	0	(omitted)			
Sex					
Men	0	(omitted)			
Sex#c.timew1w3					
Men	0	(omitted)			
timew1w3	0	(omitted)			
Race					
AfrAm	.5309738	.3910562	1.36	0.175	-.2354822 1.29743
Race#c.timew1w3					
AfrAm	.1704148	.0777832	2.19	0.028	.0179624 .3228671
timew1w3	0	(omitted)			
PovStat					
Below	.8215445	.4098122	2.00	0.045	.0183274 1.624762
PovStat#c.timew1w3					
Below	.1221748	.0800267	1.53	0.127	-.0346746 .2790243
timew1w3	0	(omitted)			
invmillsmms	.0110084	.0226289	0.49	0.627	-.0333434 .0553603
c.timew1w3#c.invmillsmms	.0000401	.0044163	0.01	0.993	-.0086156 .0086958
timew1w3	0	(omitted)			
w1HCYcenter2p15	.280098	.5911582	0.47	0.636	-.8785508 1.438747
c.timew1w3#c.w1HCYcenter2p15	.2972596	.1154176	2.58	0.010	.0710452 .523474
_cons	5.184283	.3145598	16.48	0.000	4.567757 5.800809

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.7240835	.0745924	.5916993 .8860868
sd(_cons)	4.367968	.1850617	4.019905 4.746167
corr(timew1w3,_cons)	-.4117469	.0502395	-.5052138 -.3087324
sd(Residual)	1.604868	.3155666	1.091608 2.359456

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0234641	.0338143	-0.69	0.488	-.0897388 .0428106
w1Agecent48	-.0139068	.0100279	-1.39	0.165	-.0335611 .0057475
c.timew1w3#c.w1Agecent48	-.0043627	.0022703	-1.92	0.055	-.0088124 .000087
timew1w3	0	(omitted)			
Sex Men	0	(omitted)			
Sex#c.timew1w3 Men	0	(omitted)			
timew1w3	0	(omitted)			
Race AfrAm	-.7169624	.1805155	-3.97	0.000	-1.070766 -.3631585
Race#c.timew1w3 AfrAm	.0060688	.0411505	0.15	0.883	-.0745847 .0867223
timew1w3	0	(omitted)			
PovStat Below	-.0784687	.1874383	-0.42	0.675	-.4458411 .2889036
PovStat#c.timew1w3 Below	-.1136659	.0417954	-2.72	0.007	-.1955833 -.0317485
timew1w3	0	(omitted)			
invmillsmms	.0000892	.0113405	0.01	0.994	-.0221377 .0223161
c.timew1w3#c.invmillsmms	.0022338	.002428	0.92	0.358	-.002525 .0069926
timew1w3	0	(omitted)			
w1HCYcenter2p15	-.7001303	.2697848	-2.60	0.009	-1.228899 -.1713618
c.timew1w3#c.w1HCYcenter2p15	-.0003773	.0617119	-0.01	0.995	-.1213303 .1205757

_cons	<b>7.152183</b>	<b>.1456429</b>	<b>49.11</b>	<b>0.000</b>	<b>6.866728</b>	<b>7.437638</b>
-------	-----------------	-----------------	--------------	--------------	-----------------	-----------------

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.0956905</b>	<b>.1923464</b>	<b>.0018616</b>	<b>4.91881</b>
sd(_cons)	<b>1.43936</b>	<b>.1706018</b>	<b>1.140985</b>	<b>1.815763</b>
corr(timew1w3,_cons)	<b>.2734703</b>	<b>1.242228</b>	<b>-.9820059</b>	<b>.9941075</b>
sd(Residual)	<b>1.404601</b>	<b>.152085</b>	<b>1.136025</b>	<b>1.736673</b>

260 .

261 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4fobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,167
Group variable: HNDID		
Number of groups	=	613
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.
DF adjustment: Large sample	DF:	min = 0.00
	avg	= .
	max	= .
Model F test: Equal FMI	F( 11, .)	= 4.65
	Prob > F	= 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>.065627</b>	<b>.068259</b>	<b>0.96</b>	<b>0.336</b>	<b>-.0681582</b>	<b>.1994123</b>
w1Agecent48	<b>-.0965249</b>	<b>.0257286</b>	<b>-3.75</b>	<b>0.000</b>	<b>-.146952</b>	<b>-.0460979</b>
c.timew1w3#c.w1Agecent48	<b>-.0049787</b>	<b>.0046772</b>	<b>-1.06</b>	<b>0.287</b>	<b>-.0141459</b>	<b>.0041885</b>
timew1w3	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3						
Men	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	<b>-1.498696</b>	<b>.4557841</b>	<b>-3.29</b>	<b>0.001</b>	<b>-2.392017</b>	<b>-.6053759</b>
Race#c.timew1w3						
AfrAm	<b>-.0200973</b>	<b>.0838763</b>	<b>-0.24</b>	<b>0.811</b>	<b>-.1844918</b>	<b>.1442973</b>
timew1w3	0	(omitted)				
PovStat						

	Below	<b>-1.095635</b>	.477133	-2.30	0.022	-2.030799	-.1604714
PovStat#c.timew1w3	Below	<b>.0165306</b>	.0847342	0.20	0.845	-.1495455	.1826066
timew1w3	invmillsmms	0 (omitted)	<b>-.0278896</b>	.0314158	-0.89	0.375	-.0894635
c.timew1w3#c.invmillsmms		<b>.0102828</b>	.0059568	1.73	0.084	-.0013923	.021958
timew1w3	w1HCYcenter2p15	0 (omitted)	<b>.1017646</b>	.6838794	0.15	0.882	-1.238614
c.timew1w3#c.w1HCYcenter2p15		<b>-.1588946</b>	.1217346	-1.31	0.192	-.3974901	.0797008
	_cons	<b>20.86186</b>	.3640527	57.30	0.000	20.14833	21.57539

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	<b>.0204851</b>	.	.	.	.
sd(_cons)	<b>4.438795</b>	.	.	.	.
corr(timew1w3,_cons)	-1	.	.	.	.
sd(Residual)	<b>3.139394</b>	.	.	.	.

262 .

263 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4gobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,144
Group variable: HNDID	Number of groups = 613
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
	Average RVI = .
	Largest FMI = .
DF adjustment: Large sample	DF: min = 0.00
	avg = .
	max = .
Model F test: Equal FMI	F( 11, 1.0e+65) = 6.10
	Prob > F = 0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>.0199708</b>	.0265032	0.75	0.451	-.0319745	.071916
w1Agecent48	<b>-.0289905</b>	.0102037	-2.84	0.004	-.0489894	-.0089916
c.timew1w3#c.w1Agecent48	<b>-.0031697</b>	.0017919	-1.77	0.077	-.00666818	.0003424
timew1w3	0 (omitted)					
Sex						
Men	0 (omitted)					

Sex#c.timew1w3						
Men		0 (omitted)				
timew1w3		0 (omitted)				
Race						
AfrAm	-.6247832	.1809456	-3.45	0.001	-.97943	-.2701365
Race#c.timew1w3						
AfrAm	-.0457866	.032256	-1.42	0.156	-.1090072	.0174339
timew1w3		0 (omitted)				
PovStat						
Below	-.52622	.189588	-2.78	0.006	-.8978056	-.1546344
PovStat#c.timew1w3						
Below	-.0555989	.0326294	-1.70	0.088	-.1195513	.0083536
timew1w3		0 (omitted)				
invmillsmms	-.0078364	.0115441	-0.68	0.497	-.0304624	.0147896
c.timew1w3#c.invmillsmms		.0013806	.0021721	0.64	0.525	-.0028766
timew1w3		0 (omitted)				
w1HCYcenter2p15	-.5193284	.2742121	-1.89	0.058	-1.056774	.0181174
c.timew1w3#c.w1HCYcenter2p15		.0019049	.0479527	0.04	0.968	-.0920806
_cons	8.053685	.1450117	55.54	0.000	7.769468	8.337903

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.0099555	.	.	.
sd(_cons)	1.80863	.	.	.
corr(timew1w3,_cons)	.9999952	.	.	.
sd(Residual)	1.194575	.	.	.

264 .

265 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4hobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,135

Group variable: HNDID

Number of groups	=	613
Obs per group:		

min = 1  
 avg = 1.9  
 max = 2

Average RVI = .  
 Largest FMI = .

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 11, 4.4e+63)	=	8.30
Prob > F	=	0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0175183	.0274787	0.64	0.524	-.0363389	.0713755
w1Agecent48	-.0271072	.0099113	-2.73	0.006	-.0465329	-.0076815
c.timew1w3#c.w1Agecent48	-.0025094	.0018581	-1.35	0.177	-.0061513	.0011325
timew1w3	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3						
Men	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	-.9463647	.1765341	-5.36	0.000	-1.292365	-.6003643
Race#c.timew1w3						
AfrAm	-.0464687	.03366	-1.38	0.167	-.1124411	.0195037
timew1w3	0	(omitted)				
PovStat						
Below	-.5141675	.1852895	-2.77	0.006	-.8773282	-.1510068
PovStat#c.timew1w3						
Below	-.0239483	.0340577	-0.70	0.482	-.0907002	.0428037
timew1w3	0	(omitted)				
invmillsmms	.0056224	.0113652	0.49	0.621	-.016653	.0278979
c.timew1w3#c.invmillsmms	-.0045185	.0022242	-2.03	0.042	-.0088779	-.0001592
timew1w3	0	(omitted)				
w1HCYcenter2p15	-.5035916	.2664515	-1.89	0.059	-1.025827	.0186438
c.timew1w3#c.w1HCYcenter2p15	.0009738	.0498715	0.02	0.984	-.0967725	.0987201
_cons	6.3948	.1407216	45.44	0.000	6.118991	6.670609

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	.0036902	.	.	.	.
sd(_cons)	1.699678	.	.	.	.
corr(timew1w3,_cons)	-.999823	.	.	.	.
sd(Residual)	1.240311	.	.	.	.

266 .  
 267 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4iobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,159
Group variable: HNDID	Number of groups = 610
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
	Average RVI = .
	Largest FMI = .
DF adjustment: Large sample	DF: min = 0.00
	avg = .
	max = .
Model F test: Equal FMI	F( 11, 3.0e+67) = 3.00
	Prob > F = 0.0005

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	-.0109431	.0214256	-0.51	0.610	-.0529365	.0310504
w1Agecent48	-.0093164	.0055971	-1.66	0.096	-.0202864	.0016536
c.timew1w3##c.w1Agecent48	-.0010727	.0014703	-0.73	0.466	-.0039544	.001809
timew1w3	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3						
Men	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	-.3152368	.0989866	-3.18	0.001	-.509247	-.1212267
Race#c.timew1w3						
AfrAm	.0162246	.0262799	0.62	0.537	-.0352831	.0677323
timew1w3	0	(omitted)				
PovStat						
Below	.1710006	.1042762	1.64	0.101	-.033377	.3753781
PovStat#c.timew1w3						
Below	-.0072933	.0267138	-0.27	0.785	-.0596514	.0450648
timew1w3	0	(omitted)				
invmillsmms	.003156	.0067916	0.46	0.642	-.0101553	.0164672
c.timew1w3##c.invmillsmms	-.0012078	.001594	-0.76	0.449	-.004332	.0019165
timew1w3	0	(omitted)				
w1HCYcenter2p15	-.041762	.1500127	-0.28	0.781	-.3357815	.2522574
c.timew1w3##c.w1HCYcenter2p15	-.0654004	.0389524	-1.68	0.093	-.1417457	.010945

<u>_cons</u>	<b>9.000131</b>	.0789391	114.01	0.000	8.845413	9.154849
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	<b>.0061284</b>	.	.	.	.
sd(_cons)	<b>.6349932</b>	.	.	.	.
corr(timew1w3,_cons)	<b>-.999998</b>	.	.	.	.
sd(Residual)	<b>1.005353</b>	.	.	.	.

268 .

269 . mi estimate: mixed LnTrailsAttestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Pc  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4jobs==1 & Sex==2 || HNDID: timew1w3

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,116
Group variable: HNDID	Number of groups	= 598
	Obs per group:	
	min	= 1
	avg	= 1.9
	max	= 2
	Average RVI	= 0.0000
	Largest FMI	= 0.0000
DF adjustment: Large sample	DF:	min = 3.74e+60
		avg = 3.74e+60
		max = .
Model F test: Equal FMI	F( 11, .)	= 14.75
	Prob > F	= 0.0000

LnTrailsAttestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>.0062165</b>	.0056048	1.11	0.267	-.0047687	.0172017
w1Agecent48	<b>.0106374</b>	.0017972	5.92	0.000	.0071149	.0141598
c.timew1w3#c.w1Agecent48	<b>.000979</b>	.0003866	2.53	0.011	.0002214	.0017367
timew1w3	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3						
Men	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	<b>.2204763</b>	.0316991	6.96	0.000	.1583473	.2826054
Race#c.timew1w3						
AfrAm	<b>-.0076111</b>	.0068599	-1.11	0.267	-.0210563	.0058341
timew1w3	0	(omitted)				
PovStat						
Below	<b>.0975031</b>	.0335197	2.91	0.004	.0318057	.1632006

PovStat#c.timew1w3 Below	.0030396	.0070096	0.43	0.665	-.0106989	.0167782
timew1w3 invmillsmmms	0 (omitted) .0079701	.0020581	3.87	0.000	.0039364	.0120039
c.timew1w3#c.invmillsmmms	-.0007458	.0004241	-1.76	0.079	-.001577	.0000854
timew1w3 w1HCYcenter2p15	0 (omitted) .0823592	.0484244	1.70	0.089	-.0125508	.1772692
c.timew1w3#c.w1HCYcenter2p15	.0076208	.0105142	0.72	0.469	-.0129866	.0282283
_cons	3.345013	.02534	132.01	0.000	3.295348	3.394679

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0203249	.0108685	.0071262	.0579695
sd(_cons)	.2832095	.0127415	.259306	.3093165
sd(Residual)	.2432597	.0123613	.2201994	.2687351

270 .  
271 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4kobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,080
Group variable: HNDID	Number of groups = 590
	Obs per group:
	min = 1
	avg = 1.8
	max = 2
DF adjustment: Large sample	Average RVI = 0.0000
	Largest FMI = 0.0000
	<u>DF:</u> min = 7.55e+60
	avg = 1.74e+62
	max = .
Model F test: Equal FMI	F( 11, 1.5e+65) = 19.18
	Prob > F = 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3 w1Agecent48	-.0006874 .019978	.0076554 .0028807	-0.09 6.94	0.928 0.000	-.0156917 .0143319	.0143169 .0256241
c.timew1w3#c.w1Agecent48	-.0000336	.0005353	-0.06	0.950	-.0010827	.0010155
timew1w3	0 (omitted)					
Sex Men	0 (omitted)					
Sex#c.timew1w3 Men	0 (omitted)					

	timew1w3	0 (omitted)					
Race	AfrAm	.3519855	.050825	6.93	0.000	.2523703	.4516007
Race#c.timew1w3	AfrAm	.0055098	.0094866	0.58	0.561	-.0130836	.0241032
	timew1w3	0 (omitted)					
PovStat	Below	.3071786	.053679	5.72	0.000	.2019697	.4123875
PovStat#c.timew1w3	Below	-.0027638	.0098369	-0.28	0.779	-.0220439	.0165162
	timew1w3	0 (omitted)					
invmillsmms		.0064943	.0032282	2.01	0.044	.0001671	.0128215
c.timew1w3#c.invmillsmms		-.0015159	.0005955	-2.55	0.011	-.002683	-.0003489
	timew1w3	0 (omitted)					
w1HCYcenter2p15		.2628975	.0779165	3.37	0.001	.1101839	.4156112
c.timew1w3#c.w1HCYcenter2p15		.0173922	.0141752	1.23	0.220	-.0103907	.0451752
	_cons	4.277262	.0407198	105.04	0.000	4.197453	4.357072

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.0696133	.0128023	.0485457	.0998235
sd(_cons)	.5444056	.0254804	.4966872	.5967086
corr(timew1w3,_cons)	-.394351	.0672915	-.5176456	-.2550113
sd(Residual)	.2458094	.0371115	.1828466	.3304534

```

272 .
273 .
274 . save, replace
      file finaldata_imputed_FINAL.dta saved

275 .
276 .
277 .
278 . //MODEL 2: MODEL 1 + OTHER FACTORS + BODY MASS INDEX///
279 .

```

280 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4aobs==1 & Sex==2 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
 Number of obs = 1,107

Number of groups = 606  
 Obs per group:

min = 1  
 avg = 1.8  
 max = 2

Average RVI = 0.0388  
 Largest FMI = 0.1888  
 DF: min = 128.72  
 avg = 5.13e+13  
 max = 1.49e+15

F( 25, 53450.1) = 19.76  
 Prob > F = 0.0000

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.1668757	.0855898	1.95	0.051	-.0010123 .3347637
w1Agecent48	-.0257863	.0083947	-3.07	0.002	-.0422399 -.0093328
c.timew1w3#c.w1Agecent48	-.0019419	.0020644	-0.94	0.347	-.0059881 .0021043
timew1w3	0 (omitted)				
Sex					
Men	0 (omitted)				
Sex#c.timew1w3					
Men	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	.0074355	.1520753	0.05	0.961	-.2906386 .3055096
Race#c.timew1w3					
AfrAm	-.0667926	.0388441	-1.72	0.086	-.1429259 .0093406
timew1w3	0 (omitted)				
PovStat					
Below	-.0853981	.15988	-0.53	0.593	-.3987614 .2279651
PovStat#c.timew1w3					
Below	-.0124561	.0393554	-0.32	0.752	-.0895916 .0646795
timew1w3	0 (omitted)				
w1edubr					
2	.3776052	.3200757	1.18	0.238	-.2499021 1.005113
3	.7990769	.3518936	2.27	0.023	.1090297 1.489124
w1edubr#c.timew1w3					
2	-.0594477	.0838059	-0.71	0.478	-.2237694 .104874
3	-.1203357	.0901786	-1.33	0.182	-.2971464 .056475

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.1603399	.0100452	15.96	0.000	.1406472	.1800325
c.timew1w3#c.w1WRATtotalcent42		-.007628	.0027949	-2.73	0.006	-.0131071	-.002149
	timew1w3	0	(omitted)				
	1.w1smoke	.1828965	.1791803	1.02	0.309	-.1716233	.5374164
w1smoke#c.timew1w3		-.0966075	.043664	-2.21	0.027	-.1822999	-.0109152
	timew1w3	0	(omitted)				
	1.w1currdrugs	-.1047775	.1894184	-0.55	0.581	-.4788926	.2693376
w1currdrugs#c.timew1w3		.0144451	.046972	0.31	0.759	-.0779645	.1068547
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		-.0075045	.0071452	-1.05	0.295	-.0215844	.0065755
c.timew1w3#c.w1hei2010_total_scorecent43		.001778	.0018551	0.96	0.338	-.0018596	.0054157
	timew1w3	0	(omitted)				
	w1BMIcon30	.0105513	.0126194	0.84	0.403	-.0141827	.0352853
c.timew1w3#c.w1BMIcon30		-.0040337	.0030956	-1.30	0.193	-.0101009	.0020336
	timew1w3	0	(omitted)				
	invmillsmms	-.0070808	.0081312	-0.87	0.384	-.0230178	.0088561
c.timew1w3#c.invmillsmms		-.0017157	.0018546	-0.93	0.355	-.0053507	.0019193
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	.0915603	.2207725	0.41	0.678	-.3411464	.524267
c.timew1w3#c.w1HCYcenter2p15		-.0363901	.0571443	-0.64	0.524	-.1483912	.075611
	_cons	26.97558	.3248903	83.03	0.000	26.33838	27.61278

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Independent					
sd(timew1w3)	1.59e-06	.0005555	1.5e-303	1.7e+291	
sd(_cons)	1.088019	.0752662	.9500583	1.246014	
sd(Residual)	1.330649	.0467327	1.24213	1.425477	

282 .  
 283 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4aobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
 Number of obs = 1,107

Number of groups = 606  
 Obs per group:

min	=	1
avg	=	1.8
max	=	2
Average RVI	=	.
Largest FMI	=	.
DF: min	=	0.00
avg	=	.
max	=	.
F( 25,49220.8)	=	17.00
Prob > F	=	0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.9281506	.6432476	1.44	0.149	- .3331145 2.189416
w1Agecent48	-.2242295	.0660029	-3.40	0.001	- .353595 -.094864
c.timew1w3#c.w1Agecent48	-.0124326	.0157033	-0.79	0.429	- .0432107 .0183456
timew1w3	0 (omitted)				
Sex					
Men	0 (omitted)				
Sex#c.timew1w3					
Men	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	-1.708849	1.193734	-1.43	0.152	-4.048559 .630862
Race#c.timew1w3					
AfrAm	-.2550428	.2949603	-0.86	0.387	- .833157 .3230713
timew1w3	0 (omitted)				
PovStat					
Below	-1.160632	1.256644	-0.92	0.356	-3.623626 1.302362
PovStat#c.timew1w3					
Below	-.1667908	.2995155	-0.56	0.578	- .7538379 .4202564
timew1w3	0 (omitted)				
w1edubr					
2	3.328177	2.492055	1.34	0.182	-1.556277 8.212632
3	7.300802	2.733546	2.67	0.008	1.942771 12.65883
w1edubr#c.timew1w3					
2	-.4960817	.6287505	-0.79	0.430	-1.72853 .736367
3	-.9270672	.6781802	-1.37	0.172	-2.256395 .4022602

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.9909557	.0786627	12.60	0.000	.8367647	1.145147
c.timew1w3#c.w1WRATtotalcent42		-.0198024	.0210625	-0.94	0.347	-.0610969	.021492
	timew1w3	0	(omitted)				
	1.w1smoke	.9223731	1.428651	0.65	0.520	-1.90979	3.754537
w1smoke#c.timew1w3		-.6301261	.3389723	-1.86	0.064	-1.296768	.0365163
	timew1w3	0	(omitted)				
	1.w1currdrugs	.223791	1.473935	0.15	0.879	-2.681191	3.128773
w1currdrugs#c.timew1w3		.0384581	.3602946	0.11	0.915	-.671282	.7481982
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	-.0455004	.0578462	-0.79	0.433	-.1599333	.0689325
c.timew1w3#c.w1hei2010_total_scorecent43		.0151786	.0141283	1.07	0.283	-.0125311	.0428883
	timew1w3	0	(omitted)				
	w1BMIcon30	.0441103	.0994471	0.44	0.657	-.1508086	.2390292
c.timew1w3#c.w1BMIcon30		-.0237288	.0236571	-1.00	0.316	-.0700964	.0226388
	timew1w3	0	(omitted)				
	invmillsmms	-.0375863	.0639325	-0.59	0.557	-.1628917	.0877191
c.timew1w3#c.invmillsmms		-.0159243	.0141865	-1.12	0.262	-.0437293	.0118807
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	1.949718	1.736092	1.12	0.261	-1.452962	5.352398
c.timew1w3#c.w1HCYcenter2p15		-.1842084	.4330754	-0.43	0.671	-1.033023	.6646057
	_cons	71.64004	2.528053	28.34	0.000	66.68421	76.59587

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.5035394	.	.
sd(_cons)	8.987051	.	.
corr(timew1w3,_cons)	-1	.	.
sd(Residual)	<b>10.09979</b>	.	.

```

284 .
285 .
286 . mi estimate: mixed clock_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4iobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,159
Number of groups = 610
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI =
    Largest FMI =
    DF: min = 0.00
    avg =
    max =
F( 25,48301.9) = 3.00
Prob > F = 0.0000

```

	clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		<b>-.0252906</b>	<b>.057635</b>	<b>-0.44</b>	<b>0.661</b>	<b>-.1383006</b> <b>.0877193</b>
w1Agecent48		<b>-.0070187</b>	<b>.0056432</b>	<b>-1.24</b>	<b>0.214</b>	<b>-.0180792</b> <b>.0040418</b>
c.timew1w3#c.w1Agecent48		<b>-.0016175</b>	<b>.0014874</b>	<b>-1.09</b>	<b>0.277</b>	<b>-.0045328</b> <b>.0012978</b>
timew1w3		<b>0</b> (omitted)				
Sex						
Men		<b>0</b> (omitted)				
Sex#c.timew1w3						
Men		<b>0</b> (omitted)				
timew1w3		<b>0</b> (omitted)				
Race						
AfrAm		<b>-.2428257</b>	<b>.1020509</b>	<b>-2.38</b>	<b>0.017</b>	<b>-.442844</b> <b>-.0428074</b>
Race#c.timew1w3						
AfrAm		<b>.0215519</b>	<b>.0273885</b>	<b>0.79</b>	<b>0.431</b>	<b>-.032129</b> <b>.0752328</b>
timew1w3		<b>0</b> (omitted)				
PovStat						
Below		<b>.2657774</b>	<b>.1076867</b>	<b>2.47</b>	<b>0.014</b>	<b>.0547151</b> <b>.4768396</b>
PovStat#c.timew1w3						
Below		<b>.0038473</b>	<b>.0277645</b>	<b>0.14</b>	<b>0.890</b>	<b>-.0505703</b> <b>.0582648</b>
timew1w3		<b>0</b> (omitted)				
w1edubr						
2		<b>-.0833559</b>	<b>.2161489</b>	<b>-0.39</b>	<b>0.700</b>	<b>-.5070788</b> <b>.340367</b>
3		<b>-.0140832</b>	<b>.2394161</b>	<b>-0.06</b>	<b>0.953</b>	<b>-.4836663</b> <b>.4554998</b>
w1edubr#c.timew1w3						
2		<b>.0330162</b>	<b>.056189</b>	<b>0.59</b>	<b>0.557</b>	<b>-.0771223</b> <b>.1431547</b>

	3	.068316	.0619461	1.10	0.270	-.0531327	.1897646
	timew1w3	0	(omitted)				
w1WRATtotalcent42		.0271	.006712	4.04	0.000	.0139431	.0402569
c.timew1w3#c.w1WRATtotalcent42		-.0025441	.0017528	-1.45	0.147	-.0059801	.0008919
	timew1w3	0	(omitted)				
1.w1smoke		.0343624	.1130511	0.30	0.761	-.1873322	.2560569
w1smoke#c.timew1w3							
1		-.040477	.0318373	-1.27	0.205	-.1031792	.0222253
	timew1w3	0	(omitted)				
1.w1currdrugs		.1810359	.1248636	1.45	0.148	-.0644402	.426512
w1currdrugs#c.timew1w3							
1		-.0468669	.0335429	-1.40	0.164	-.1129298	.019196
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		.005386	.0050144	1.07	0.285	-.004535	.0153071
c.timew1w3#c.w1hei2010_total_scorecent43		-.0017534	.0014062	-1.25	0.214	-.0045326	.0010258
	timew1w3	0	(omitted)				
w1BMIcon30		-.0044255	.0084962	-0.52	0.602	-.0210796	.0122286
c.timew1w3#c.w1BMIcon30		.0026123	.0022524	1.16	0.246	-.0018038	.0070285
	timew1w3	0	(omitted)				
invmillsmms		.0034609	.0066784	0.52	0.604	-.0096284	.0165503
c.timew1w3#c.invmillsmms		-.0016304	.0015847	-1.03	0.304	-.0047363	.0014755
	timew1w3	0	(omitted)				
w1HCYcenter2p15		.0663075	.1486683	0.45	0.656	-.2250771	.3576921
c.timew1w3#c.w1HCYcenter2p15		-.0741932	.0390818	-1.90	0.058	-.1507922	.0024058
	_cons	8.888207	.2202826	40.35	0.000	8.456222	9.320191

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.00355	.	.
sd(_cons)	.6057145	.	.
corr(timew1w3,_cons)	-.9999989	.	.
sd(Residual)	.9920476	.	.

287 .

```
288 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4jobs==1 & Sex==2 || HNDID: timew1w3
```

Multiple-imputation estimates  
Mixed-effects ML regression

	Imputations	=	5
	Number of obs	=	1,116
Group variable: HNDID	Number of groups	=	598
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	0.0479
	Largest FMI	=	0.3344
DF adjustment: Large sample	DF: min	=	43.20
	avg	=	5579240.33
	max	=	1.02e+08
Model F test: Equal FMI	F( 25, 33640.7)	=	8.03
	Prob > F	=	0.0000

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0072324	.015253	0.47	0.635	-.0226688 .0371336
w1Agecent48	.0105931	.001816	5.83	0.000	.0070336 .0141525
c.timew1w3#c.w1Agecent48	.0009879	.0003945	2.50	0.012	.0002147 .0017611
timew1w3	0 (omitted)				
Sex					
Men	0 (omitted)				
Sex#c.timew1w3					
Men	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	.194576	.0325931	5.97	0.000	.1306945 .2584574
Race#c.timew1w3					
AfrAm	-.0095431	.0072003	-1.33	0.185	-.0236555 .0045693
timew1w3	0 (omitted)				
PovStat					
Below	.0555099	.0346446	1.60	0.109	-.0123925 .1234122
PovStat#c.timew1w3					
Below	.0017204	.0073371	0.23	0.815	-.0126601 .0161008
timew1w3	0 (omitted)				
w1edubr					
2	-.0558271	.0704466	-0.79	0.428	-.1939563 .0823021
3	-.1148741	.0769997	-1.49	0.136	-.265916 .0361679
w1edubr#c.timew1w3					
2	-.0004282	.0150162	-0.03	0.977	-.0298689 .0290126
3	.0001597	.0164863	0.01	0.992	-.0321741 .0324935

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	<b>- .0072967</b>	<b>.0021706</b>	<b>-3.36</b>	<b>0.001</b>	<b>- .011551</b>	<b>- .0030424</b>
c.timew1w3#c.w1WRATtotalcent42		<b>- .0003924</b>	<b>.0004691</b>	<b>-0.84</b>	<b>0.403</b>	<b>- .0013118</b>	<b>.0005269</b>
	timew1w3	0	(omitted)				
	1.w1smoke	<b>- .0364892</b>	<b>.0390878</b>	<b>-0.93</b>	<b>0.353</b>	<b>- .114195</b>	<b>.0412166</b>
	w1smoke#c.timew1w3						
	1	<b>.0036851</b>	<b>.0083218</b>	<b>0.44</b>	<b>0.658</b>	<b>- .0126748</b>	<b>.0200451</b>
	timew1w3	0	(omitted)				
	1.w1currdrugs	<b>.0509396</b>	<b>.0397663</b>	<b>1.28</b>	<b>0.201</b>	<b>- .0273815</b>	<b>.1292606</b>
	w1currdrugs#c.timew1w3						
	1	<b>- .0023603</b>	<b>.0086357</b>	<b>-0.27</b>	<b>0.785</b>	<b>- .0193067</b>	<b>.0145861</b>
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	<b>- .0003151</b>	<b>.0016718</b>	<b>-0.19</b>	<b>0.851</b>	<b>- .0036862</b>	<b>.0030559</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0000731</b>	<b>.0003944</b>	<b>0.19</b>	<b>0.853</b>	<b>- .0007117</b>	<b>.0008578</b>
	timew1w3	0	(omitted)				
	w1BMIcon30	<b>- .000068</b>	<b>.0027112</b>	<b>-0.03</b>	<b>0.980</b>	<b>- .005382</b>	<b>.0052461</b>
c.timew1w3#c.w1BMIcon30		<b>- .0001979</b>	<b>.0005851</b>	<b>-0.34</b>	<b>0.735</b>	<b>- .0013447</b>	<b>.000949</b>
	timew1w3	0	(omitted)				
	invmillsmms	<b>.0081189</b>	<b>.0020314</b>	<b>4.00</b>	<b>0.000</b>	<b>.0041374</b>	<b>.0121003</b>
c.timew1w3#c.invmillsmms		<b>- .0007109</b>	<b>.0004238</b>	<b>-1.68</b>	<b>0.093</b>	<b>- .0015415</b>	<b>.0001198</b>
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	<b>.0537207</b>	<b>.0480703</b>	<b>1.12</b>	<b>0.264</b>	<b>- .0404957</b>	<b>.1479372</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.005075</b>	<b>.0106391</b>	<b>0.48</b>	<b>0.633</b>	<b>- .0157773</b>	<b>.0259273</b>
	_cons	<b>3.461367</b>	<b>.0705926</b>	<b>49.03</b>	<b>0.000</b>	<b>3.32299</b>	<b>3.599744</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Independent</b>				
sd(timew1w3)	<b>.0183743</b>	<b>.0114431</b>	<b>.0054213</b>	<b>.0622757</b>
sd(_cons)	<b>.2710586</b>	<b>.0125757</b>	<b>.2474981</b>	<b>.2968619</b>
sd(Residual)	<b>.2441326</b>	<b>.0120083</b>	<b>.2216956</b>	<b>.2688404</b>

289 .

```
290 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Poc  

> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen  

> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4kobs==1 & Sex==2 || HNDID: timew1w3, cov(un)
```

## Multiple-imputation estimates Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,080

Group variable: HNDID

Number of groups = 590  
Obs per group:

DF adjustment: Large sample

Average RVI	=	<b>0.0500</b>
Largest FMI	=	<b>0.3731</b>
DF:	min	= <b>34.97</b>
	avg	= <b>643,573.00</b>
	max	= <b>6399745.44</b>

Model F test: Equal FMI

F( 25,29394.7) = 15.19  
Prob > F = 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0068127	.0219742	-0.31	0.757	-.0498887 .0362633
w1Agecent48	.0180771	.0026991	6.70	0.000	.0127869 .0233673
c.timew1w3#c.w1Agecent48	.0001533	.0005463	0.28	0.779	-.0009174 .001224
timew1w3	0	(omitted)			
Sex					
Men	0	(omitted)			
Sex#c.timew1w3					
Men	0	(omitted)			
timew1w3	0	(omitted)			
Race					
AfrAm	.2719043	.0487272	5.58	0.000	.1764006 .3674081
Race#c.timew1w3					
AfrAm	.0039512	.0099942	0.40	0.693	-.0156373 .0235396
timew1w3	0	(omitted)			
PovStat					
Below	.1697476	.0518373	3.27	0.001	.0681476 .2713475
PovStat#c.timew1w3					
Below	-.0045195	.0103786	-0.44	0.663	-.0248614 .0158223
timew1w3	0	(omitted)			
w1edubr					
2	-.2675417	.1053817	-2.54	0.011	-.4741778 -.0609056
3	-.3984538	.1134976	-3.51	0.000	-.6209648 -.1759428
w1edubr#c.timew1w3					
2	-.0021711	.02161	-0.10	0.920	-.0445346 .0401924
3	.0050158	.0233374	0.21	0.830	-.0407353 .0507668

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	<b>- .0257901</b>	<b>.0032612</b>	<b>-7.91</b>	<b>0.000</b>	<b>- .032182</b>	<b>- .0193982</b>
c.timew1w3#c.w1WRATtotalcent42		<b>.000411</b>	<b>.0006742</b>	<b>0.61</b>	<b>0.542</b>	<b>- .0009104</b>	<b>.0017323</b>
	timew1w3	0	(omitted)				
	1.w1smoke	<b>.015764</b>	<b>.0536941</b>	<b>0.29</b>	<b>0.769</b>	<b>- .0897509</b>	<b>.1212788</b>
	w1smoke#c.timew1w3						
	1	<b>.0067554</b>	<b>.0111864</b>	<b>0.60</b>	<b>0.546</b>	<b>- .0151747</b>	<b>.0286854</b>
	timew1w3	0	(omitted)				
	1.w1currdrugs	<b>-.046558</b>	<b>.0594827</b>	<b>-0.78</b>	<b>0.435</b>	<b>- .1638984</b>	<b>.0707824</b>
	w1currdrugs#c.timew1w3						
	1	<b>.0169413</b>	<b>.0124301</b>	<b>1.36</b>	<b>0.174</b>	<b>- .0075382</b>	<b>.0414208</b>
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	<b>.0015707</b>	<b>.0024844</b>	<b>0.63</b>	<b>0.531</b>	<b>- .003473</b>	<b>.0066144</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0001832</b>	<b>.0005683</b>	<b>-0.32</b>	<b>0.749</b>	<b>- .0013248</b>	<b>.0009585</b>
	timew1w3	0	(omitted)				
	w1BMIcon30	<b>-.0016675</b>	<b>.0040598</b>	<b>-0.41</b>	<b>0.681</b>	<b>- .0096255</b>	<b>.0062905</b>
	c.timew1w3#c.w1BMIcon30						
		<b>.000277</b>	<b>.0008064</b>	<b>0.34</b>	<b>0.731</b>	<b>- .0013035</b>	<b>.0018575</b>
	timew1w3	0	(omitted)				
	invmillsmms	<b>.0069548</b>	<b>.0030082</b>	<b>2.31</b>	<b>0.021</b>	<b>.0010588</b>	<b>.0128507</b>
	c.timew1w3#c.invmillsmms						
		<b>-.0014501</b>	<b>.000588</b>	<b>-2.47</b>	<b>0.014</b>	<b>- .0026026</b>	<b>- .0002976</b>
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	<b>.1604383</b>	<b>.0720392</b>	<b>2.23</b>	<b>0.026</b>	<b>.0192439</b>	<b>.3016327</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.020316</b>	<b>.0142811</b>	<b>1.42</b>	<b>0.155</b>	<b>- .0076745</b>	<b>.0483066</b>
	_cons	<b>4.703953</b>	<b>.1056279</b>	<b>44.53</b>	<b>0.000</b>	<b>4.496894</b>	<b>4.911013</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0671208</b>	<b>.0135789</b>	<b>.0451496</b>	<b>.0997839</b>
sd(_cons)	<b>.482023</b>	<b>.0265031</b>	<b>.4327786</b>	<b>.5368708</b>
corr(timew1w3,_cons)	<b>-.4130993</b>	<b>.0692483</b>	<b>-.5391767</b>	<b>-.2689121</b>
sd(Residual)	<b>.2516667</b>	<b>.0375522</b>	<b>.1878513</b>	<b>.3371612</b>

```

291 .
292 .
293 . save, replace
      file finaldata_imputed_FINAL.dta saved

294 .
295 .
296 . //MODEL 3: FULLY ADJUSTED MODEL: MODEL 2 + HEALTH-RELATED FACTORS///
297 .
298 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvnbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Sex==2 || HNDID: timew1w3

Multiple-imputation estimates          Imputations      =       5
Mixed-effects ML regression           Number of obs    =   1,107

Group variable: HNDID                Number of groups =     606
                                         Obs per group:
                                         min =         1
                                         avg =        1.8
                                         max =        2
                                         Average RVI =    0.0413
                                         Largest FMI =  0.1878
DF adjustment: Large sample          DF:    min =    130.08
                                         avg =  3.16e+12
                                         max = 1.42e+14
Model F test: Equal FMI             F(  41,86671.6) =    12.79
                                         Prob > F =    0.0000

```

	MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.185376	.1008849	1.84	0.066	.0124701	.3832222
w1Agecent48	-.0305398	.0089815	-3.40	0.001	-.0481481	-.0129315
c.timew1w3#c.w1Agecent48	-.0018981	.0022042	-0.86	0.389	-.0062184	.0024221
timew1w3	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3						
Men	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	-.0464286	.154149	-0.30	0.763	-.3485746	.2557174
Race#c.timew1w3						
AfrAm	-.0576637	.0394083	-1.46	0.143	-.1349027	.0195754
timew1w3	0	(omitted)				
PovStat						
Below	-.0306871	.1624515	-0.19	0.850	-.3490911	.2877169
PovStat#c.timew1w3						
Below	-.0075887	.040502	-0.19	0.851	-.0869713	.0717939

	timew1w3	0	(omitted)				
w1edubr							
2	.4193055	.3179647	1.32	0.187	-.2040669	1.042678	
3	.8018609	.3502487	2.29	0.022	.1150176	1.488704	
w1edubr#c.timew1w3							
2	-.0618314	.0836978	-0.74	0.460	-.2259354	.1022725	
3	-.1206162	.0902249	-1.34	0.181	-.297514	.0562816	
timew1w3	0	(omitted)					
w1WRATtotalcent42	.1540207	.0101713	15.14	0.000	.1340743	.173967	
c.timew1w3#c.w1WRATtotalcent42	-.0068268	.0028282	-2.41	0.016	-.0123711	-.0012826	
timew1w3	0	(omitted)					
1.w1smoke	.1949823	.1798982	1.08	0.280	-.1609228	.5508873	
w1smoke#c.timew1w3							
1	-.104603	.0445263	-2.35	0.019	-.1920301	-.017176	
timew1w3	0	(omitted)					
1.w1currdrugs	-.0389848	.1878288	-0.21	0.836	-.4093939	.3314242	
w1currdrugs#c.timew1w3							
1	.0101159	.0474634	0.21	0.831	-.0832188	.1034506	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	-.0097335	.0071926	-1.35	0.177	-.0239115	.0044445	
c.timew1w3#c.w1hei2010_total_scorecent43	.0021227	.001854	1.14	0.252	-.0015118	.0057571	
timew1w3	0	(omitted)					
w1BMIcon30	.0109367	.0133057	0.82	0.411	-.0151436	.037017	
c.timew1w3#c.w1BMIcon30	-.004996	.003347	-1.49	0.136	-.0115561	.0015641	
timew1w3	0	(omitted)					
w1SRH							
2	.0890072	.2056721	0.43	0.665	-.3141053	.4921198	
3	.0726322	.2163646	0.34	0.737	-.3514448	.4967091	
w1SRH#c.timew1w3							
2	-.0017459	.0530855	-0.03	0.974	-.1057916	.1022999	
3	-.0352019	.0559033	-0.63	0.529	-.1447729	.074369	
timew1w3	0	(omitted)					
w1CEScent15	-.0271576	.0081102	-3.35	0.001	-.0430553	-.0112599	
c.timew1w3#c.w1CEScent15	.0026351	.002099	1.26	0.209	-.0014788	.0067491	
timew1w3	0	(omitted)					
w1dxHTN							
Yes	.1337816	.1746885	0.77	0.444	-.209162	.4767252	
w1dxHTN#c.timew1w3							
Yes	.0015202	.0449514	0.03	0.973	-.0866878	.0897283	
timew1w3	0	(omitted)					
w1dxDiabetes							

	preDiabetes	<b>- .0131751</b>	.1813554	<b>-0.07</b>	0.942	<b>-.3686361</b>	.342286
	Diabetes	<b>-.1614244</b>	.2513477	<b>-0.64</b>	0.521	<b>-.6558808</b>	.3330321
w1dxDiabetes#c.timew1w3							
	preDiabetes	<b>.0337875</b>	.0473652	<b>0.71</b>	0.476	<b>-.0590469</b>	.1266219
	Diabetes	<b>-.0262693</b>	.0634666	<b>-0.41</b>	0.679	<b>-.1507043</b>	.0981658
	timew1w3		<b>0</b> (omitted)				
w1CVhighChol							
	Yes	<b>.0899322</b>	.1822069	<b>0.49</b>	0.622	<b>-.267229</b>	.4470934
w1CVhighChol#c.timew1w3							
	Yes	<b>.0401135</b>	.0496896	<b>0.81</b>	0.420	<b>-.0575097</b>	.1377367
	timew1w3		<b>0</b> (omitted)				
1.w1cvdbr		<b>.2478017</b>	.2427865	<b>1.02</b>	0.309	<b>-.2317989</b>	.7274024
w1cvdbr#c.timew1w3							
	1	<b>-.0907015</b>	.0596794	<b>-1.52</b>	0.129	<b>-.2078739</b>	.0264709
	timew1w3		<b>0</b> (omitted)				
invmillsmms		<b>-.0083974</b>	.0080716	<b>-1.04</b>	0.298	<b>-.0242176</b>	.0074227
c.timew1w3#c.invmillsmms		<b>-.0016163</b>	.0018762	<b>-0.86</b>	0.389	<b>-.0052943</b>	.0020617
	timew1w3		<b>0</b> (omitted)				
w1HCYcenter2p15		<b>.0790028</b>	.2202654	<b>0.36</b>	0.720	<b>-.3527101</b>	.5107157
c.timew1w3#c.w1HCYcenter2p15		<b>-.0275616</b>	.0573648	<b>-0.48</b>	0.631	<b>-.1399946</b>	.0848714
	_cons	<b>26.73072</b>	.3813887	<b>70.09</b>	0.000	<b>25.98298</b>	<b>27.47847</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>2.62e-06</b>	<b>.0008397</b>	<b>6.2e-279</b>	<b>1.1e+267</b>
sd(_cons)	<b>1.069264</b>	<b>.0750089</b>	<b>.9319007</b>	<b>1.226875</b>
sd(Residual)	<b>1.322373</b>	<b>.046586</b>	<b>1.234135</b>	<b>1.41692</b>

299 .  
300 .  
301 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4aobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,107

Group variable: HNDID

	Number of groups =	606
	Obs per group:	
	min =	1
	avg =	1.8
	max =	2
	Average RVI =	.
	Largest FMI =	.
DF adjustment:	Large sample	DF: min = 0.00
		avg = .
		max = .
Model F test:	Equal FMI	F( 41, 79551.8) = 11.09
		Prob > F = 0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	1.196513	.7591669	1.58	0.115	-.2919445 2.684971
w1Agecent48	-.2670491	.0700768	-3.81	0.000	-.4044146 -.1296836
c.timew1w3#c.w1Agecent48	-.011432	.0167282	-0.68	0.494	-.044219 .0213551
timew1w3	0 (omitted)				
Sex					
Men	0 (omitted)				
Sex#c.timew1w3					
Men	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	-1.971524	1.204991	-1.64	0.102	-4.333311 .3902629
Race#c.timew1w3					
AfrAm	-.191679	.299079	-0.64	0.522	-.7778689 .394511
timew1w3	0 (omitted)				
PovStat					
Below	-.6775749	1.27274	-0.53	0.594	-3.172121 1.816972
PovStat#c.timew1w3					
Below	-.1600439	.3072829	-0.52	0.602	-.7623089 .442221
timew1w3	0 (omitted)				
w1edubr					
2	3.647535	2.465399	1.48	0.139	-1.184643 8.479712
3	7.400053	2.70583	2.73	0.006	2.096482 12.70362
w1edubr#c.timew1w3					
2	-.5252431	.6272568	-0.84	0.402	-1.754761 .7042746
3	-.9419376	.6773236	-1.39	0.164	-2.269575 .3856999
timew1w3	0 (omitted)				
w1WRATtotalcent42	.9427907	.0792376	11.90	0.000	.7874462 1.098135
c.timew1w3#c.w1WRATtotalcent42	-.0121212	.0212988	-0.57	0.569	-.0538793 .0296368
timew1w3	0 (omitted)				
1.w1smoke	1.177968	1.421963	0.83	0.409	-1.63798 3.993916

w1smoke#c.timew1w3							
1	<b>-.7072482</b>	<b>.3455939</b>	<b>-2.05</b>	<b>0.042</b>	<b>-1.387575</b>	<b>-.0269213</b>	
timew1w3	0	(omitted)					
1.w1currdrugs	<b>.7409978</b>	<b>1.465573</b>	<b>0.51</b>	<b>0.614</b>	<b>-2.146086</b>	<b>3.628081</b>	
w1currdrugs#c.timew1w3							
1	<b>-.0104526</b>	<b>.3643555</b>	<b>-0.03</b>	<b>0.977</b>	<b>-.7281275</b>	<b>.7072223</b>	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	<b>-.0628219</b>	<b>.058523</b>	<b>-1.07</b>	<b>0.285</b>	<b>-.178825</b>	<b>.0531812</b>	
c.timew1w3#c.w1hei2010_total_scorecent43							
timew1w3	0	(omitted)					
w1BMIcon30	<b>.0360274</b>	<b>.1044923</b>	<b>0.34</b>	<b>0.730</b>	<b>-.1687906</b>	<b>.2408453</b>	
c.timew1w3#c.w1BMIcon30							
timew1w3	0	(omitted)					
w1SRH							
2	<b>.3004847</b>	<b>1.613713</b>	<b>0.19</b>	<b>0.852</b>	<b>-2.862362</b>	<b>3.463331</b>	
3	<b>1.001261</b>	<b>1.700942</b>	<b>0.59</b>	<b>0.556</b>	<b>-2.332706</b>	<b>4.335229</b>	
w1SRH#c.timew1w3							
2	<b>-.0407417</b>	<b>.4026116</b>	<b>-0.10</b>	<b>0.919</b>	<b>-.8298465</b>	<b>.748363</b>	
3	<b>-.3419864</b>	<b>.4243708</b>	<b>-0.81</b>	<b>0.420</b>	<b>-1.173768</b>	<b>.489795</b>	
timew1w3	0	(omitted)					
w1CEScent15							
timew1w3	0	(omitted)					
w1CEScent15	<b>-.205937</b>	<b>.0636608</b>	<b>-3.23</b>	<b>0.001</b>	<b>-.3307287</b>	<b>-.0811452</b>	
c.timew1w3#c.w1CEScent15							
timew1w3	0	(omitted)					
w1dxHTN							
Yes	<b>.0246467</b>	<b>.0158993</b>	<b>1.55</b>	<b>0.121</b>	<b>-.0065157</b>	<b>.0558091</b>	
w1dxHTN#c.timew1w3							
Yes	<b>.0517529</b>	<b>.3388421</b>	<b>0.15</b>	<b>0.879</b>	<b>-.6129381</b>	<b>.7164439</b>	
timew1w3	0	(omitted)					
w1dxDiabetes							
preDiabetes	<b>1.253201</b>	<b>1.427808</b>	<b>0.88</b>	<b>0.380</b>	<b>-1.545517</b>	<b>4.051918</b>	
Diabetes	<b>-.2258541</b>	<b>1.948741</b>	<b>-0.12</b>	<b>0.908</b>	<b>-4.054595</b>	<b>3.602887</b>	
w1dxDiabetes#c.timew1w3							
preDiabetes	<b>.0908159</b>	<b>.3586867</b>	<b>0.25</b>	<b>0.800</b>	<b>-.6121995</b>	<b>.7938313</b>	
Diabetes	<b>-.2403688</b>	<b>.4817203</b>	<b>-0.50</b>	<b>0.618</b>	<b>-1.184896</b>	<b>.7041581</b>	
timew1w3	0	(omitted)					
w1CVhighChol							
Yes	<b>.8607362</b>	<b>1.46402</b>	<b>0.59</b>	<b>0.557</b>	<b>-2.011892</b>	<b>3.733364</b>	
w1CVhighChol#c.timew1w3							
Yes	<b>.2766214</b>	<b>.3898911</b>	<b>0.71</b>	<b>0.479</b>	<b>-.492688</b>	<b>1.045931</b>	
timew1w3	0	(omitted)					
1.w1cvdbr	<b>1.629299</b>	<b>1.817364</b>	<b>0.90</b>	<b>0.370</b>	<b>-1.938567</b>	<b>5.197165</b>	

w1cvdbr#c.timew1w3							
1	<b>-.7048067</b>	<b>.4490253</b>	<b>-1.57</b>	<b>0.117</b>	<b>-1.585874</b>	<b>.1762607</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>-.0491229</b>	<b>.0633119</b>	<b>-0.78</b>	<b>0.438</b>	<b>-.1732123</b>	<b>.0749666</b>	
c.timew1w3#c.invmillsmms	<b>-.0146938</b>	<b>.0143492</b>	<b>-1.02</b>	<b>0.306</b>	<b>-.0428255</b>	<b>.0134378</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>1.894242</b>	<b>1.726307</b>	<b>1.10</b>	<b>0.273</b>	<b>-1.48926</b>	<b>5.277743</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>-.1297615</b>	<b>.4340774</b>	<b>-0.30</b>	<b>0.765</b>	<b>-.9805384</b>	<b>.7210154</b>	
_cons	<b>69.10584</b>	<b>2.978912</b>	<b>23.20</b>	<b>0.000</b>	<b>63.26626</b>	<b>74.94541</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.4658283</b>	.	.
sd(_cons)	<b>8.785953</b>	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.
sd(Residual)	<b>10.02799</b>	.	.

302 .  
 303 .  
 304 .  
 305 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4bobs==1 & Sex==2 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,024

Group variable: HNDID

Number of groups	=	596
Obs per group:		
min	=	1
avg	=	1.7
max	=	2

Average RVI = 0.0480  
 Largest FMI = 0.4286

DF adjustment: Large sample

DF:	min	=	26.67
	avg	=	217,044.87
	max	=	5825318.96

Model F test: Equal FMI

F( 41,63510.7)	=	18.59
Prob > F	=	0.0000

	cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-1.231408</b>	.2806827	-4.39	<b>0.000</b>	-1.781585 -.6812323
w1Agecent48		<b>-.1485562</b>	.0309202	-4.80	<b>0.000</b>	-.2091629 -.0879495
c.timew1w3#c.w1Agecent48		<b>-.014758</b>	.0067609	-2.18	<b>0.029</b>	-.0280092 -.0015068
	timew1w3	0	(omitted)			
	Sex					
Men		0	(omitted)			
	Sex#c.timew1w3					
Men		0	(omitted)			
	timew1w3		0	(omitted)		
	Race					
AfrAm		<b>-1.442997</b>	.5419908	-2.66	<b>0.008</b>	-2.505663 -.3803315
Race#c.timew1w3		<b>.0552558</b>	.1197816	0.46	<b>0.645</b>	-.1795915 .290103
AfrAm						
	timew1w3	0	(omitted)			
	PovStat					
Below		.1965132	.5635371	0.35	<b>0.727</b>	-.908122 1.301148
PovStat#c.timew1w3		<b>-.1374293</b>	.1192856	-1.15	<b>0.249</b>	-.3712284 .0963699
Below						
	timew1w3	0	(omitted)			
	w1edubr					
2		.3843297	1.080413	0.36	<b>0.722</b>	-1.735209 2.503868
3		<b>2.896665</b>	1.183202	2.45	<b>0.014</b>	.5761227 5.217208
w1edubr#c.timew1w3						
2		<b>.0081274</b>	.2321618	0.04	<b>0.972</b>	-.4470527 .4633076
3		<b>-.2462727</b>	.2557068	-0.96	<b>0.336</b>	-.7475804 .255035
	timew1w3	0	(omitted)			
w1WRATtotalcent42		.1806799	.0337207	5.36	<b>0.000</b>	.1145878 .246772
c.timew1w3#c.w1WRATtotalcent42		<b>-.0014996</b>	.0072804	-0.21	<b>0.837</b>	-.0157696 .0127704
	timew1w3	0	(omitted)			
1.w1smoke		.2699508	.6458468	0.42	<b>0.678</b>	-1.022933 1.562835
w1smoke#c.timew1w3						
1		.039005	.1327081	0.29	<b>0.769</b>	-.221494 .299504
	timew1w3	0	(omitted)			
1.w1currdrugs		<b>-.7508107</b>	.5972701	-1.26	<b>0.209</b>	-1.922949 .4213278
w1currdrugs#c.timew1w3						
1		.0255723	.1290555	0.20	<b>0.843</b>	-.2273736 .2785182
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		<b>-.01332</b>	.0284356	-0.47	<b>0.643</b>	-.0716989 .045059
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0019009</b>	.0063307	0.30	<b>0.765</b>	-.0106952 .014497

	timew1w3	0	(omitted)				
w1BMIcon30		.0548417	.0460023	1.19	0.233	-.0353521	.1450355
c.timew1w3#c.w1BMIcon30		-.0000153	.010007	-0.00	0.999	-.019631	.0196004
	timew1w3	0	(omitted)				
w1SRH							
2		.8489118	.6946288	1.22	0.222	-.5125454	2.210369
3		.8071745	.7309586	1.10	0.269	-.6255265	2.239876
w1SRH#c.timew1w3							
2		.1697429	.1547305	1.10	0.273	-.1335276	.4730135
3		.006512	.1625858	0.04	0.968	-.3121593	.3251833
	timew1w3	0	(omitted)				
w1CEScent15		-.0857006	.0270714	-3.17	0.002	-.1387645	-.0326366
c.timew1w3#c.w1CEScent15		.0009313	.0060689	0.15	0.878	-.0109638	.0128265
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		-.3902565	.5732718	-0.68	0.496	-1.513925	.7334119
w1dxHTN#c.timew1w3							
Yes		-.0138695	.1292113	-0.11	0.915	-.267128	.2393891
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		-.0503715	.6167497	-0.08	0.935	-1.259343	1.1586
Diabetes		1.495283	.8347045	1.79	0.074	-.143334	3.1339
w1dxDiabetes#c.timew1w3							
preDiabetes		.2025253	.1377585	1.47	0.142	-.0674873	.4725378
Diabetes		-.2136626	.1847718	-1.16	0.248	-.5758123	.1484871
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		.0173713	.6517263	0.03	0.979	-1.266185	1.300927
w1CVhighChol#c.timew1w3							
Yes		.0927668	.1546435	0.60	0.549	-.2120558	.3975894
	timew1w3	0	(omitted)				
1.w1cvdbr		.6514577	.8031781	0.81	0.418	-.930767	2.233682
w1cvdbr#c.timew1w3							
1		-.2703635	.1954273	-1.38	0.170	-.6582357	.1175086
	timew1w3	0	(omitted)				
invmillsmms		-.0269388	.0332355	-0.81	0.418	-.0920801	.0382025
c.timew1w3#c.invmillsmms		-.0098445	.0066999	-1.47	0.142	-.0229763	.0032872
	timew1w3	0	(omitted)				
w1HCYcenter2p15		.9335654	.7559644	1.23	0.217	-.5480987	2.41523
c.timew1w3#c.w1HCYcenter2p15		-.1061402	.1645358	-0.65	0.519	-.4286252	.2163448

	<u>_cons</u>	21.96035	1.30154	16.87	0.000	19.40736	24.51334
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.2735059	.1835708	.0733929	1.019246
sd(_cons)	4.085693	.1931598	3.724116	4.482376
sd(Residual)	3.569718	.1915537	3.213347	3.965613

306 .  
 307 .  
 308 .  
 309 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4cobs==1 & Sex==2 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	969

Group variable: HNDID

Number of groups	=	578
Obs per group:		
min	=	1
avg	=	1.7
max	=	2
Average RVI	=	0.0640
Largest FMI	=	0.3055

DF adjustment: Large sample

DF:	min	=	51.40
	avg	=	272,444.78
	max	=	7198271.41

Model F test: Equal FMI

F( 41, 36840.8)	=	11.18
Prob > F	=	0.0000

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	- .4576037	.1438288	-3.18	0.001	-.7395098 -.1756976
w1Agecent48	- .0895936	.0145097	-6.17	0.000	-.1180331 -.0611542
c.timew1w3#c.w1Agecent48	- .0080362	.0034523	-2.33	0.020	-.0148028 -.0012697
timew1w3	0 (omitted)				
Sex					
Men	0 (omitted)				
Sex#c.timew1w3					
Men	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	- .8535299	.2547996	-3.35	0.001	-1.353021 -.3540385
Race#c.timew1w3					
AfrAm	.0123123	.0606358	0.20	0.839	-.1065537 .1311782
timew1w3	0 (omitted)				

PovStat Below	.3536072	.2675824	1.32	0.186	-.170944	.8781584
PovStat#c.timew1w3 Below	-.0784572	.0606524	-1.29	0.196	-.1973351	.0404206
timew1w3	0 (omitted)					
w1edubr 2	-.0329124	.5210458	-0.06	0.950	-1.055327	.9895027
3	.5684512	.5736634	0.99	0.322	-.5568841	1.693787
w1edubr#c.timew1w3 2	-.1179745	.1189046	-0.99	0.321	-.351082	.115133
3	-.0604414	.1310436	-0.46	0.645	-.3172921	.1964093
timew1w3 w1WRATtotalcent42	0 (omitted)					
c.timew1w3#c.w1WRATtotalcent42	.0798721	.0161637	4.94	0.000	.0481914	.1115529
timew1w3 1.w1smoke	0 (omitted)					
c.timew1w3#1.w1smoke	-.0208721	.297218	-0.07	0.944	-.6100232	.568279
w1smoke#c.timew1w3 1	.0646795	.073163	0.88	0.379	-.080343	.2097021
timew1w3 1.w1currdrugs	0 (omitted)					
c.timew1w3#1.w1currdrugs	-.7994127	.2907892	-2.75	0.006	-1.371022	-.2278035
w1currdrugs#c.timew1w3 1	.0592261	.0694217	0.85	0.394	-.0773572	.1958095
timew1w3 w1hei2010_total_scorecent43	0 (omitted)					
c.timew1w3#c.w1hei2010_total_scorecent43	-.0130017	.0127344	-1.02	0.312	-.0385623	.0125589
timew1w3 w1BMIcon30	.0040604	.0033073	1.23	0.223	-.0025275	.0106482
c.timew1w3#c.w1BMIcon30	.0310664	.0215799	1.44	0.150	-.011235	.0733677
timew1w3 w1SRH	0 (omitted)					
c.timew1w3#w1SRH	.0016251	.0050662	0.32	0.748	-.0083068	.011557
timew1w3 2	.0270484	.3299491	0.08	0.935	-.6196493	.6737461
3	-.0649028	.3468409	-0.19	0.852	-.7447118	.6149063
w1SRH#c.timew1w3 2	.1083222	.0796989	1.36	0.174	-.0478954	.2645398
3	.0962508	.0836618	1.15	0.250	-.067727	.2602286
timew1w3 w1CEScent15	0 (omitted)					
c.timew1w3#w1CEScent15	-.0424544	.012988	-3.27	0.001	-.0679114	-.0169973
timew1w3 w1dxHTN	0 (omitted)					
c.timew1w3#w1dxHTN	.0017957	.0031193	0.58	0.565	-.0043188	.0079102
timew1w3 Yes	0 (omitted)					
c.timew1w3#Yes	-.2012631	.2723779	-0.74	0.460	-.7352458	.3327195

w1dxHTN#c.timew1w3 Yes		.0766394	.0661356	1.16	0.247	-.0530105	.2062892
	timew1w3	0	(omitted)				
w1dxDiabetes preDiabetes Diabetes		-.025277 .1315387	.2938711 .4048289	-0.09 0.32	0.931 0.745	-.6016109 -.6654945	.5510568 .9285719
w1dxDiabetes#c.timew1w3 preDiabetes Diabetes		.0769645 .0171461	.0694279 .0936083	1.11 0.18	0.268 0.855	-.0591172 -.1663358	.2130463 .200628
	timew1w3	0	(omitted)				
w1CVhighChol Yes		-.0374132	.328653	-0.11	0.910	-.6906658	.6158395
w1CVhighChol#c.timew1w3 Yes		-.0392126	.0743632	-0.53	0.598	-.185043	.1066179
	timew1w3 1.w1cvdbr	0 -.0253002	(omitted) .3797231	-0.07	0.947	-.7711546	.7205543
w1cvdbr#c.timew1w3 1		.0419841	.0991093	0.42	0.673	-.1543068	.2382749
	timew1w3 invmillsmms	0 -.0109715	(omitted) .0165204	-0.66	0.507	-.0433509	.0214079
c.timew1w3#c.invmillsmms		-.0038529	.0033867	-1.14	0.255	-.0104906	.0027849
	timew1w3 w1HCYcenter2p15	0 .4673569	(omitted) .3587973	1.30	0.193	-.2358736	1.170587
c.timew1w3#c.w1HCYcenter2p15		.0271647	.0839969	0.32	0.746	-.1374665	.191796
	_cons	7.102587	.6241944	11.38	0.000	5.878089	8.327085

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Independent					
sd(timew1w3)	.0792928	.1506078	.0019162	3.281151	
sd(_cons)	1.714813	.099058	1.531249	1.920383	
sd(Residual)	1.816799	.0900059	1.648684	2.002055	

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310 .
311 .
312 .
313 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,148
Number of groups = 608
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI = 0.0524
Largest FMI = 0.3822
DF: min = 33.36
    avg = 89,521.58
    max = 2076639.11
F( 41, 53031.1) = 11.11
Prob > F = 0.0000

```

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.3897144	.1978682	1.97	0.049	.001879 .7775497
w1Agecent48	.1353332	.0224731	6.02	0.000	.0912773 .1793892
c.timew1w3#c.w1Agecent48	.0115589	.0047285	2.44	0.015	.002291 .0208268
timew1w3	0 (omitted)				
Sex					
Men	0 (omitted)				
Sex#c.timew1w3					
Men	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	.2595571	.3872294	0.67	0.503	-.4994943 1.018608
Race#c.timew1w3					
AfrAm	.1346921	.0829744	1.62	0.105	-.0279742 .2973584
timew1w3	0 (omitted)				
PovStat					
Below	-.6533406	.4088728	-1.60	0.110	-1.454723 .1480422
PovStat#c.timew1w3					
Below	.1340023	.0849253	1.58	0.115	-.0324483 .300453
timew1w3	0 (omitted)				
w1edubr					
2	-.8184697	.7918845	-1.03	0.301	-2.371161 .7342212
3	-1.933152	.85882	-2.25	0.024	-3.61655 -.2497543

w1edubr#c.timew1w3						
2	.0231298	.1638976	0.14	0.888	-.2981468	.3444063
3	.1238642	.1789592	0.69	0.489	-.2269029	.4746313
timew1w3	0 (omitted)					
w1WRATtotalcent42	-.1087438	.025031	-4.34	0.000	-.1578067	-.0596809
c.timew1w3#c.w1WRATtotalcent42	-.008452	.0052988	-1.60	0.111	-.0188375	.0019335
timew1w3	0 (omitted)					
1.w1smoke	.7419053	.4382337	1.69	0.092	-.1238551	1.607666
w1smoke#c.timew1w3						
1	-.1261015	.0907187	-1.39	0.165	-.303969	.051766
timew1w3	0 (omitted)					
1.w1currdrugs	-.4603935	.4942427	-0.93	0.355	-1.444804	.5240171
w1currdrugs#c.timew1w3						
1	.1294309	.1013812	1.28	0.203	-.0701268	.3289886
timew1w3	0 (omitted)					
w1hei2010_total_scorecent43	.0053838	.0193081	0.28	0.782	-.0338828	.0446504
c.timew1w3#c.w1hei2010_total_scorecent43	-.0046974	.0041162	-1.14	0.255	-.0128065	.0034118
timew1w3	0 (omitted)					
w1BMIcontent30	.0170685	.0334375	0.51	0.610	-.0484694	.0826064
c.timew1w3#c.w1BMIcontent30	-.014985	.0070255	-2.13	0.033	-.0287548	-.0012152
timew1w3	0 (omitted)					
w1SRH						
2	-1.355925	.5137887	-2.64	0.008	-2.362936	-.3489148
3	-.4985546	.5421392	-0.92	0.358	-1.561133	.5640234
w1SRH#c.timew1w3						
2	-.1182827	.1096999	-1.08	0.281	-.3332921	.0967267
3	-.1001697	.1161079	-0.86	0.388	-.3277395	.1274001
timew1w3	0 (omitted)					
w1CEScent15						
.0946886	.0201316	4.70	0.000	.0552299	.1341473	
c.timew1w3#c.w1CEScent15	-.0036839	.0044176	-0.83	0.404	-.012344	.0049762
timew1w3	0 (omitted)					
w1dxHTN						
Yes	-.1510289	.4258423	-0.35	0.723	-.9864255	.6843677
w1dxHTN#c.timew1w3						
Yes	-.0003124	.0914094	-0.00	0.997	-.1794907	.1788659
timew1w3	0 (omitted)					
w1dxDiabetes						
preDiabetes	-.0304131	.4639609	-0.07	0.948	-.9415451	.8807189
Diabetes	1.138264	.635088	1.79	0.075	-.1145523	2.391081
w1dxDiabetes#c.timew1w3						
preDiabetes	-.0612851	.0971836	-0.63	0.528	-.2517662	.129196
Diabetes	-.2253624	.130237	-1.73	0.084	-.4806825	.0299576

	timew1w3	0 (omitted)					
w1CVhighChol							
Yes		-.5908966	.4927859	-1.20	0.234	-1.570589	.388796
w1CVhighChol#c.timew1w3							
Yes		.1437831	.1024201	1.40	0.161	-.0571787	.3447449
timew1w3							
1.w1cvdbr		1.08527	.6029232	1.80	0.075	-.1112118	2.281752
w1cvdbr#c.timew1w3							
1		-.3455988	.1289222	-2.68	0.008	-.5991854	-.0920121
timew1w3							
invmillsmms		.0127764	.0212285	0.60	0.547	-.0288315	.0543842
c.timew1w3#c.invmillsmms							
		.0028384	.0043979	0.65	0.519	-.0057816	.0114585
timew1w3							
w1HCYcenter2p15		-.3634875	.5552377	-0.65	0.513	-1.451759	.7247835
c.timew1w3#c.w1HCYcenter2p15							
		.2759854	.1154028	2.39	0.017	.0497975	.5021732
_cons		7.80732	.9416697	8.29	0.000	5.961548	9.653092

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.7005523	.0783912	.5625194 .8724563
sd(_cons)	3.942656	.1902236	3.586844 4.333764
corr(timew1w3,_cons)	-.4488309	.0500282	-.5413324 -.3455945
sd(Residual)	1.581738	.3285	1.052621 2.376825

314 .

315 .

316 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms //> c.timew1w3##c.w1HCYcenter2p15 //> if sample4eobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,038

Group variable: HNDID

Number of groups = 597  
Obs per group:

min = 1  
avg = 1.7  
max = 2

Average RVI = 0.0368  
Largest FMI = 0.2362

DF adjustment: Large sample

DF: min = 84.02  
avg = 349,213.99  
max = 5058494.65

Model F test: Equal FMI

F( 41, 103550.6) = 4.87  
Prob > F = 0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0662739	.1099794	0.60	0.547	-.1493987 .2819465
w1Agecent48	-.0100222	.0105087	-0.95	0.340	-.0306195 .010575
c.timew1w3#c.w1Agecent48	-.0026075	.0025193	-1.04	0.301	-.0075453 .0023302
timew1w3	0	(omitted)			
Sex					
Men	0	(omitted)			
Sex#c.timew1w3					
Men	0	(omitted)			
timew1w3	0	(omitted)			
Race					
AfrAm	-.5234559	.1821847	-2.87	0.004	-.8805403 -.1663716
Race#c.timew1w3					
AfrAm	.027399	.0440725	0.62	0.534	-.0589915 .1137895
timew1w3	0	(omitted)			
PovStat					
Below	.4057054	.1922578	2.11	0.035	.028882 .7825288
PovStat#c.timew1w3					
Below	-.0951626	.0454507	-2.09	0.036	-.1842485 -.0060767
timew1w3	0	(omitted)			
w1edubr					
2	.7088358	.3784037	1.87	0.061	-.0330065 1.450678
3	1.092331	.4211282	2.59	0.010	.2658277 1.918835
w1edubr#c.timew1w3					
2	-.1389665	.091722	-1.52	0.130	-.3188558 .0409228
3	-.1574539	.0995014	-1.58	0.114	-.3526128 .037705
timew1w3	0	(omitted)			
w1WRATtotalcent42	.0573926	.0117613	4.88	0.000	.0343404 .0804448
c.timew1w3#c.w1WRATtotalcent42	.0029281	.0028365	1.03	0.302	-.0026314 .0084875
timew1w3	0	(omitted)			
1.w1smoke	-.3259599	.2016117	-1.62	0.107	-.7221544 .0702346
w1smoke#c.timew1w3					
1	-.0349467	.0514299	-0.68	0.498	-.1363944 .0665009
timew1w3	0	(omitted)			
1.w1currdrugs	.2042719	.2076631	0.98	0.326	-.2032637 .6118075
w1currdrugs#c.timew1w3					
1	.0454026	.0499036	0.91	0.363	-.0524114 .1432166
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	-.0109415	.0089279	-1.23	0.224	-.0286955 .0068125
c.timew1w3#c.w1hei2010_total_scorecent43	.0000536	.0022107	0.02	0.981	-.0043011 .0044083

	timew1w3	0	(omitted)				
w1BMIcon30		.005305	.0163212	0.33	0.745	-.0267014	.0373115
c.timew1w3#c.w1BMIcon30		-.0009064	.0037887	-0.24	0.811	-.0083329	.00652
	timew1w3	0	(omitted)				
w1SRH							
2		.1974922	.240942	0.82	0.412	-.2747548	.6697392
3		-.005493	.2545706	-0.02	0.983	-.5044714	.4934854
w1SRH#c.timew1w3							
2		.0660493	.0596628	1.11	0.268	-.0508892	.1829878
3		.0566751	.0633837	0.89	0.371	-.0675637	.180914
	timew1w3	0	(omitted)				
w1CEScent15		-.0214299	.0096353	-2.22	0.026	-.0403147	-.002545
c.timew1w3#c.w1CEScent15		.0015021	.0023359	0.64	0.520	-.0030762	.0060805
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		.0503987	.1991001	0.25	0.800	-.3398334	.4406309
w1dxHTN#c.timew1w3							
Yes		-.0944375	.0496323	-1.90	0.057	-.191726	.002851
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		-.219912	.2129396	-1.03	0.302	-.6373006	.1974767
Diabetes		-.451053	.2812589	-1.60	0.109	-1.0024	.1002941
w1dxDiabetes#c.timew1w3							
preDiabetes		.0788073	.0533334	1.48	0.140	-.0257365	.1833511
Diabetes		-.05781	.0695086	-0.83	0.406	-.1941103	.0784903
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		.22846	.2249026	1.02	0.310	-.2137311	.6706512
w1CVhighChol#c.timew1w3							
Yes		.0388946	.0574499	0.68	0.499	-.074185	.1519742
	timew1w3	0	(omitted)				
1.w1cvdbr		.2124513	.2889509	0.74	0.464	-.3591991	.7841017
w1cvdbr#c.timew1w3							
1		-.0324071	.069218	-0.47	0.640	-.1685752	.103761
	timew1w3	0	(omitted)				
invmillsmms		-.0019781	.0107481	-0.18	0.854	-.0230439	.0190877
c.timew1w3#c.invmillsmms		.0023885	.002403	0.99	0.320	-.0023214	.0070983
	timew1w3	0	(omitted)				
w1HCYcenter2p15		-.4458223	.2581959	-1.73	0.084	-.9518788	.0602342
c.timew1w3#c.w1HCYcenter2p15		.0253166	.0627908	0.40	0.687	-.0977516	.1483849

	<u>_cons</u>	<b>6.006323</b>	<b>.4503207</b>	<b>13.34</b>	<b>0.000</b>	<b>5.123432</b>	<b>6.889213</b>
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0982589</b>	<b>.1991926</b>	<b>.0018484</b>	<b>5.223322</b>
sd(_cons)	<b>1.240105</b>	<b>.1975046</b>	<b>.9075949</b>	<b>1.694435</b>
corr(timew1w3,_cons)	<b>.2194443</b>	<b>1.300374</b>	<b>-.9853501</b>	<b>.9939716</b>
sd(Residual)	<b>1.389769</b>	<b>.158795</b>	<b>1.110923</b>	<b>1.738607</b>

317 .  
 318 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbl c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4fobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,167
Group variable: HNDID		
Number of groups	=	613
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.
DF adjustment: Large sample	DF:	
min	=	0.00
avg	=	.
max	=	.
Model F test: Equal FMI	F( 41, 30399.2)	= 3.69
	Prob > F	= 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>.1988123</b>	<b>.2216727</b>	<b>0.90</b>	<b>0.370</b>	<b>-.2360051</b>	<b>.6336296</b>
w1Agecent48	<b>-.1082133</b>	<b>.0274645</b>	<b>-3.94</b>	<b>0.000</b>	<b>-.1621343</b>	<b>-.0542923</b>
c.timew1w3#c.w1Agecent48	<b>-.0024188</b>	<b>.0051894</b>	<b>-0.47</b>	<b>0.641</b>	<b>-.0125919</b>	<b>.0077543</b>
timew1w3		0 (omitted)				
Sex						
Men		0 (omitted)				
Sex#c.timew1w3						
Men		0 (omitted)				
timew1w3		0 (omitted)				
Race						
AfrAm						
Race#c.timew1w3						
AfrAm						
timew1w3		0 (omitted)				

PovStat Below	.1124706	.4890337	0.23	0.818	-.8460741	1.071015
PovStat#c.timew1w3 Below	-.0097913	.092883	-0.11	0.916	-.1918415	.1722589
timew1w3	0 (omitted)					
w1edubr 2	.5042822	.9426113	0.53	0.593	-1.343728	2.352293
3	1.741731	1.035928	1.68	0.093	-.2893972	3.772859
w1edubr#c.timew1w3 2	-.058223	.1853851	-0.31	0.754	-.4222762	.3058302
3	-.1120286	.2031731	-0.55	0.582	-.5108186	.2867614
timew1w3 w1WRATtotalcent42	0 (omitted)					
	.159872	.029318	5.45	0.000	.1024079	.2173361
c.timew1w3#c.w1WRATtotalcent42	.0025476	.0056955	0.45	0.655	-.0086163	.0137116
timew1w3 1.w1smoke	0 (omitted)					
	-.2154586	.5079252	-0.42	0.672	-1.217169	.7862519
w1smoke#c.timew1w3 1	-.0585192	.0983687	-0.59	0.552	-.2513545	.1343161
timew1w3 1.w1currdrugs	0 (omitted)					
	-.0780201	.5635306	-0.14	0.890	-1.196698	1.040657
w1currdrugs#c.timew1w3 1	.0771234	.1064724	0.72	0.469	-.1319616	.2862084
timew1w3 w1hei2010_total_scorecent43	0 (omitted)					
	.0245364	.0227098	1.08	0.288	-.0216448	.0707176
c.timew1w3#c.w1hei2010_total_scorecent43	-.0001834	.0046721	-0.04	0.969	-.0094279	.0090611
timew1w3 w1BMIcon30	0 (omitted)					
	.0279971	.0400795	0.70	0.485	-.0505859	.10658
c.timew1w3#c.w1BMIcon30	-.0011616	.0077923	-0.15	0.882	-.0164427	.0141196
timew1w3	0 (omitted)					
w1SRH 2	-.2222498	.6069182	-0.37	0.714	-1.411788	.9672888
3	-.5938777	.6411848	-0.93	0.354	-1.850602	.6628464
w1SRH#c.timew1w3 2	.0183984	.1195909	0.15	0.878	-.2159962	.2527929
3	-.0188086	.1268871	-0.15	0.882	-.2675056	.2298884
timew1w3 w1CEScent15	0 (omitted)					
	-.0448048	.023913	-1.87	0.061	-.0916788	.0020692
c.timew1w3#c.w1CEScent15	.0050751	.0047643	1.07	0.287	-.0042646	.0144149
timew1w3	0 (omitted)					
w1dxHTN Yes	-.0994973	.5377401	-0.19	0.853	-1.161284	.9622899

w1dxHTN#c.timew1w3 Yes		<b>-.0653779</b>	<b>.1019213</b>	<b>-0.64</b>	<b>0.521</b>	<b>-.2652788</b>	<b>.134523</b>
	timew1w3		<b>0</b> (omitted)				
w1dxDiabetes preDiabetes Diabetes		<b>.6425399</b>	<b>.5349026</b>	<b>1.20</b>	<b>0.230</b>	<b>-.4058783</b>	<b>1.690958</b>
		<b>.4886961</b>	<b>.7265551</b>	<b>0.67</b>	<b>0.502</b>	<b>-.9394292</b>	<b>1.916822</b>
w1dxDiabetes#c.timew1w3 preDiabetes Diabetes		<b>-.0061431</b>	<b>.1084583</b>	<b>-0.06</b>	<b>0.955</b>	<b>-.2187368</b>	<b>.2064507</b>
	timew1w3		<b>.0300722</b>	<b>.1408001</b>	<b>0.21</b>	<b>0.831</b>	<b>-.2460182</b>
w1CVhighChol Yes		<b>.5459354</b>	<b>.5393044</b>	<b>1.01</b>	<b>0.312</b>	<b>-.514278</b>	<b>1.606149</b>
w1CVhighChol#c.timew1w3 Yes		<b>-.0778782</b>	<b>.1161497</b>	<b>-0.67</b>	<b>0.503</b>	<b>-.306307</b>	<b>.1505507</b>
	timew1w3		<b>0</b> (omitted)				
1.w1cvdbr		<b>-.0012169</b>	<b>.65544</b>	<b>-0.00</b>	<b>0.999</b>	<b>-1.288686</b>	<b>1.286252</b>
w1cvdbr#c.timew1w3 1		<b>.0075972</b>	<b>.1315685</b>	<b>0.06</b>	<b>0.954</b>	<b>-.2502841</b>	<b>.2654785</b>
	timew1w3		<b>0</b> (omitted)				
invmillsmms		<b>-.0347144</b>	<b>.0301109</b>	<b>-1.15</b>	<b>0.249</b>	<b>-.0937309</b>	<b>.024302</b>
c.timew1w3#c.invmillsmms		<b>.0096171</b>	<b>.005927</b>	<b>1.62</b>	<b>0.105</b>	<b>-.0019998</b>	<b>.0212339</b>
	timew1w3		<b>0</b> (omitted)				
w1HCYcenter2p15		<b>.8261487</b>	<b>.6539095</b>	<b>1.26</b>	<b>0.206</b>	<b>-.4554911</b>	<b>2.107789</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.1343232</b>	<b>.12531</b>	<b>-1.07</b>	<b>0.284</b>	<b>-.379927</b>	<b>.1112806</b>
	_cons	<b>19.07214</b>	<b>1.131445</b>	<b>16.86</b>	<b>0.000</b>	<b>16.85392</b>	<b>21.29037</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	<b>.0416105</b>	.	.
sd(_cons)	<b>4.008866</b>	.	.
corr(timew1w3,_cons)	<b>-.974629</b>	.	.
sd(Residual)	<b>3.118638</b>	.	.

319 .  
 320 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4gobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations =	5
Mixed-effects ML regression	Number of obs =	1,144
Group variable: HNDID		
	Number of groups =	613
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	.
	Largest FMI =	.
DF adjustment: Large sample	DF: min =	0.00
	avg =	.
	max =	.
Model F test: Equal FMI	F( 41, 28691.8) =	6.63
	Prob > F =	0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>- .0192438</b>	.0843513	-0.23	0.820	-.1846068 .1461193
w1Agecent48	<b>- .0197116</b>	.0101126	-1.95	0.051	-.0395324 .0001091
c.timew1w3##c.w1Agecent48	<b>- .002393</b>	.0019881	-1.20	0.229	-.0062901 .0015041
timew1w3	0 (omitted)				
Sex					
Men	0 (omitted)				
Sex#c.timew1w3					
Men	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	<b>- .2851779</b>	.1756392	-1.62	0.104	-.6294809 .0591252
Race#c.timew1w3					
AfrAm	<b>- .0267316</b>	.0341606	-0.78	0.434	-.0936889 .0402257
timew1w3	0 (omitted)				
PovStat					
Below	<b>- .0920361</b>	.1872229	-0.49	0.623	-.4590921 .2750199
PovStat#c.timew1w3					
Below	<b>- .0194115</b>	.0354071	-0.55	0.584	-.0888117 .0499887
timew1w3	0 (omitted)				
w1edubr					
2	<b>- .3383696</b>	.3582599	-0.94	0.345	-1.040593 .363854
3	<b>.0496146</b>	.3921086	0.13	0.899	-.7189901 .8182194
w1edubr#c.timew1w3					
2	<b>- .0204974</b>	.0688326	-0.30	0.766	-.1554153 .1144205

	3		<b>- .017158</b>	<b>.0765173</b>	<b>-0.22</b>	<b>0.823</b>	<b>- .1672</b>	<b>.1328839</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1WRATtotalcent42		<b>.10688</b>	<b>.0112235</b>	<b>9.52</b>	<b>0.000</b>	<b>.0848817</b>	<b>.1288784</b>
c.timew1w3#c.w1WRATtotalcent42			<b>.001801</b>	<b>.0021614</b>	<b>0.83</b>	<b>0.405</b>	<b>- .0024355</b>	<b>.0060374</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	1.w1smoke		<b>.0268786</b>	<b>.2021054</b>	<b>0.13</b>	<b>0.895</b>	<b>- .3750517</b>	<b>.428809</b>
	w1smoke#c.timew1w3							
	1		<b>- .0155773</b>	<b>.0395865</b>	<b>-0.39</b>	<b>0.694</b>	<b>- .093499</b>	<b>.0623445</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	1.w1currdrugs		<b>.5511592</b>	<b>.250529</b>	<b>2.20</b>	<b>0.038</b>	<b>.0331612</b>	<b>1.069157</b>
	w1currdrugs#c.timew1w3							
	1		<b>- .0022334</b>	<b>.0406642</b>	<b>-0.05</b>	<b>0.956</b>	<b>- .082062</b>	<b>.0775953</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1hei2010_total_scorecent43		<b>.0028569</b>	<b>.0080733</b>	<b>0.35</b>	<b>0.725</b>	<b>- .0132466</b>	<b>.0189603</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>- .0006391</b>	<b>.0018173</b>	<b>-0.35</b>	<b>0.726</b>	<b>- .0042502</b>	<b>.002972</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1BMIcon30		<b>- .0081519</b>	<b>.0154892</b>	<b>-0.53</b>	<b>0.599</b>	<b>- .0385419</b>	<b>.0222382</b>
c.timew1w3#c.w1BMIcon30			<b>.0035791</b>	<b>.0029432</b>	<b>1.22</b>	<b>0.224</b>	<b>- .0021904</b>	<b>.0093486</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1SRH							
	2		<b>-.01805</b>	<b>.2324109</b>	<b>-0.08</b>	<b>0.938</b>	<b>- .4735751</b>	<b>.437475</b>
	3		<b>-.1934061</b>	<b>.2448206</b>	<b>-0.79</b>	<b>0.430</b>	<b>- .6732915</b>	<b>.2864793</b>
	w1SRH#c.timew1w3							
	2		<b>.0620906</b>	<b>.0463971</b>	<b>1.34</b>	<b>0.181</b>	<b>- .0288466</b>	<b>.1530277</b>
	3		<b>.0694711</b>	<b>.0491724</b>	<b>1.41</b>	<b>0.158</b>	<b>- .0269063</b>	<b>.1658485</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1CEScent15		<b>- .0138967</b>	<b>.0090737</b>	<b>-1.53</b>	<b>0.126</b>	<b>- .031682</b>	<b>.0038886</b>
c.timew1w3#c.w1CEScent15			<b>- .0007713</b>	<b>.0018132</b>	<b>-0.43</b>	<b>0.671</b>	<b>- .0043253</b>	<b>.0027826</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1dxHTN							
	Yes		<b>-.0907882</b>	<b>.1974498</b>	<b>-0.46</b>	<b>0.646</b>	<b>- .478378</b>	<b>.2968016</b>
	w1dxHTN#c.timew1w3							
	Yes		<b>-.0307662</b>	<b>.0386318</b>	<b>-0.80</b>	<b>0.426</b>	<b>- .1064847</b>	<b>.0449524</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1dxDiabetes							
	preDiabetes		<b>-.0600928</b>	<b>.2046447</b>	<b>-0.29</b>	<b>0.769</b>	<b>- .4612382</b>	<b>.3410526</b>
	Diabetes		<b>.1220109</b>	<b>.2734947</b>	<b>0.45</b>	<b>0.656</b>	<b>- .414378</b>	<b>.6583997</b>
	w1dxDiabetes#c.timew1w3							
	preDiabetes		<b>.0360268</b>	<b>.0409269</b>	<b>0.88</b>	<b>0.379</b>	<b>- .0441906</b>	<b>.1162442</b>
	Diabetes		<b>-.0547552</b>	<b>.0563396</b>	<b>-0.97</b>	<b>0.331</b>	<b>- .1653478</b>	<b>.0558374</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				

w1CVhighChol Yes		<b>- .001016</b>	<b>.2099164</b>	<b>-0.00</b>	<b>0.996</b>	<b>-.4147297</b>	<b>.4126978</b>
w1CVhighChol#c.timew1w3 Yes		<b>.0221031</b>	<b>.0454799</b>	<b>0.49</b>	<b>0.628</b>	<b>-.0676898</b>	<b>.1118959</b>
timew1w3 1.w1cvdbr		<b>0</b> (omitted)	<b>-.1207298</b>	<b>.2565979</b>	<b>-0.47</b>	<b>0.638</b>	<b>-.6252925</b>
w1cvdbr#c.timew1w3 1		<b>-.0775894</b>	<b>.052854</b>	<b>-1.47</b>	<b>0.142</b>	<b>-.1813067</b>	<b>.026128</b>
timew1w3 invmillsmms		<b>0</b> (omitted)	<b>-.0090227</b>	<b>.0106441</b>	<b>-0.85</b>	<b>0.397</b>	<b>-.029885</b>
c.timew1w3#c.invmillsmms		<b>.0010697</b>	<b>.0021311</b>	<b>0.50</b>	<b>0.616</b>	<b>-.0031073</b>	<b>.0052467</b>
timew1w3 w1HCYcenter2p15		<b>0</b> (omitted)	<b>-.046452</b>	<b>.2514881</b>	<b>-0.18</b>	<b>0.853</b>	<b>-.5393597</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0215033</b>	<b>.0487925</b>	<b>0.44</b>	<b>0.659</b>	<b>-.0741284</b>	<b>.117135</b>
_cons		<b>7.728308</b>	<b>.4335359</b>	<b>17.83</b>	<b>0.000</b>	<b>6.878158</b>	<b>8.578458</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0006344</b>	.	.
sd(_cons)	<b>1.534592</b>	.	.
corr(timew1w3,_cons)	<b>-.992348</b>	.	.
sd(Residual)	<b>1.183451</b>	.	.

321 .  
 322 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4hobs==1 & Sex==2 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,135

Group variable: HNDID

Number of groups	=	613
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI = .  
 Largest FMI = .

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 41,25292.7)	=	7.85
Prob > F	=	0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0610654	.0869806	0.70	0.483	-.1094295 .2315603
w1Agecent48	-.0258859	.0097101	-2.67	0.008	-.0449201 -.0068517
c.timew1w3#c.w1Agecent48	-.0012001	.0020411	-0.59	0.557	-.0052005 .0028004
timew1w3	0	(omitted)			
Sex					
Men	0	(omitted)			
Sex#c.timew1w3					
Men	0	(omitted)			
timew1w3	0	(omitted)			
Race					
AfrAm	-.523363	.1663715	-3.15	0.002	-.8494463 -.1972797
Race#c.timew1w3					
AfrAm	-.0421333	.0355812	-1.18	0.236	-.1118763 .0276096
timew1w3	0	(omitted)			
PovStat					
Below	.0369379	.1782177	0.21	0.836	-.3124009 .3862768
PovStat#c.timew1w3					
Below	-.015659	.0368331	-0.43	0.671	-.0878529 .0565349
timew1w3	0	(omitted)			
w1edubr					
2	-.0985956	.3408158	-0.29	0.772	-.7665835 .5693923
3	.4398059	.3749829	1.17	0.241	-.295187 1.174799
w1edubr#c.timew1w3					
2	-.0289793	.0706571	-0.41	0.682	-.1674648 .1095062
3	-.0276697	.0778682	-0.36	0.722	-.1802908 .1249515
timew1w3	0	(omitted)			
w1WRATtotalcent42	.1099233	.0108467	10.13	0.000	.0886618 .1311849
c.timew1w3#c.w1WRATtotalcent42	-.0013945	.0022404	-0.62	0.534	-.0057856 .0029966
timew1w3	0	(omitted)			
1.w1smoke	.0104691	.180511	0.06	0.954	-.343965 .3649032
w1smoke#c.timew1w3					
1	-.0467576	.0420446	-1.11	0.268	-.1298245 .0363092
timew1w3	0	(omitted)			
1.w1currdrugs	.0533839	.2086382	0.26	0.799	-.3606012 .467369
w1currdrugs#c.timew1w3					
1	.0466481	.0420948	1.11	0.268	-.0359787 .1292749
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	-.0018678	.0082771	-0.23	0.823	-.0185579 .0148222
c.timew1w3#c.w1hei2010_total_scorecent43	-.0012634	.0017823	-0.71	0.479	-.0047739 .0022471

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .002975</b>	<b>.014629</b>	<b>-0.20</b>	<b>0.839</b>	<b>- .0316641</b>	<b>.025714</b>
c.timew1w3#c.w1BMIcon30		<b>.0005479</b>	<b>.0031172</b>	<b>0.18</b>	<b>0.861</b>	<b>- .0055704</b>	<b>.0066661</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>- .0097581</b>	<b>.2235025</b>	<b>-0.04</b>	<b>0.965</b>	<b>- .4478406</b>	<b>.4283245</b>
3		<b>- .1541745</b>	<b>.240149</b>	<b>-0.64</b>	<b>0.521</b>	<b>- .6253283</b>	<b>.3169792</b>
w1SRH#c.timew1w3							
2		<b>.0108909</b>	<b>.0480506</b>	<b>0.23</b>	<b>0.821</b>	<b>- .0832891</b>	<b>.1050709</b>
3		<b>.0068312</b>	<b>.0512739</b>	<b>0.13</b>	<b>0.894</b>	<b>- .0936761</b>	<b>.1073385</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>- .0157353</b>	<b>.0086493</b>	<b>-1.82</b>	<b>0.069</b>	<b>- .0326878</b>	<b>.0012172</b>
c.timew1w3#c.w1CEScent15		<b>- .0004163</b>	<b>.0018871</b>	<b>-0.22</b>	<b>0.825</b>	<b>- .0041155</b>	<b>.0032829</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.0632697</b>	<b>.1877514</b>	<b>0.34</b>	<b>0.736</b>	<b>- .305134</b>	<b>.4316734</b>
w1dxHTN#c.timew1w3							
Yes		<b>- .0785751</b>	<b>.0401563</b>	<b>-1.96</b>	<b>0.050</b>	<b>- .1572892</b>	<b>.0001391</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>.291982</b>	<b>.1982557</b>	<b>1.47</b>	<b>0.141</b>	<b>- .0968479</b>	<b>.6808119</b>
Diabetes		<b>- .1872504</b>	<b>.2860259</b>	<b>-0.65</b>	<b>0.514</b>	<b>- .7543075</b>	<b>.3798066</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0095439</b>	<b>.0422097</b>	<b>0.23</b>	<b>0.821</b>	<b>- .073186</b>	<b>.0922738</b>
Diabetes		<b>- .0190709</b>	<b>.0576037</b>	<b>-0.33</b>	<b>0.741</b>	<b>- .1320515</b>	<b>.0939097</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>.0574993</b>	<b>.196866</b>	<b>0.29</b>	<b>0.770</b>	<b>- .3286276</b>	<b>.4436261</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0291825</b>	<b>.052306</b>	<b>0.56</b>	<b>0.580</b>	<b>- .0761718</b>	<b>.1345368</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>- .088672</b>	<b>.3166008</b>	<b>-0.28</b>	<b>0.782</b>	<b>- .7478413</b>	<b>.5704973</b>
w1cvdbr#c.timew1w3							
1		<b>.0159375</b>	<b>.0622529</b>	<b>0.26</b>	<b>0.799</b>	<b>- .1087373</b>	<b>.1406123</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.002928</b>	<b>.0102642</b>	<b>0.29</b>	<b>0.775</b>	<b>- .0171896</b>	<b>.0230455</b>
c.timew1w3#c.invmillsmms		<b>- .0046491</b>	<b>.0021655</b>	<b>-2.15</b>	<b>0.032</b>	<b>- .0088934</b>	<b>- .0004048</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>- .0264307</b>	<b>.2397433</b>	<b>-0.11</b>	<b>0.912</b>	<b>- .4963194</b>	<b>.4434579</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0032987</b>	<b>.0507243</b>	<b>0.07</b>	<b>0.948</b>	<b>- .0961213</b>	<b>.1027186</b>

	<u>_cons</u>	<b>5.684662</b>	<b>.4155556</b>	<b>13.68</b>	<b>0.000</b>	<b>4.869758</b>	<b>6.499566</b>
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>9.55e-07</b>	.	.	.
sd(_cons)	<b>1.379998</b>	<b>.0603447</b>	<b>1.26665</b>	<b>1.503488</b>
sd(Residual)	<b>1.225017</b>	<b>.0381755</b>	<b>1.152433</b>	<b>1.302173</b>

323 .  
 324 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvnbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4iobs==1 & Sex==2 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,159
Group variable: HNDID		
Number of groups	=	610
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.
DF adjustment: Large sample	DF:	min = 0.00
	avg	= .
	max	= .
Model F test: Equal FMI	F( 41, 52981.3)	= 2.38
	Prob > F	= 0.0000

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.0051439</b>	<b>.0691775</b>	<b>-0.07</b>	<b>0.941</b>	<b>-.140854</b>	<b>.1305662</b>
w1Agecent48	<b>-.005898</b>	<b>.0059436</b>	<b>-0.99</b>	<b>0.321</b>	<b>-.0175473</b>	<b>.0057513</b>
c.timew1w3##c.w1Agecent48	<b>-.0008567</b>	<b>.0016032</b>	<b>-0.53</b>	<b>0.593</b>	<b>-.0039992</b>	<b>.0022858</b>
timew1w3	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3						
Men	0	(omitted)				
timew1w3	0	(omitted)				
Race						
AfrAm	<b>-.303814</b>	<b>.1028822</b>	<b>-2.95</b>	<b>0.003</b>	<b>-.5054623</b>	<b>-.1021656</b>
Race#c.timew1w3						
AfrAm	<b>.0300959</b>	<b>.0277337</b>	<b>1.09</b>	<b>0.278</b>	<b>-.024262</b>	<b>.0844538</b>
timew1w3	0	(omitted)				
PovStat						

	Below	.3086714	.1090864	2.83	0.005	.0948655	.5224772
PovStat#c.timew1w3	Below	.0122878	.0286111	0.43	0.668	-.043789	.0683647
	timew1w3	0 (omitted)					
w1edubr							
2	- .099219	.2147131	-0.46	0.644	-.5201799	.3217419	
3	- .0341789	.2376944	-0.14	0.886	-.5004439	.4320862	
w1edubr#c.timew1w3							
2	.0396005	.0562928	0.70	0.482	-.0707554	.1499565	
3	.0697019	.0622218	1.12	0.263	-.0523196	.1917234	
timew1w3	0 (omitted)						
w1WRATtotalcent42		.0254845	.0067336	3.78	0.000	.012284	.038685
c.timew1w3#c.w1WRATtotalcent42		-.0023023	.0017768	-1.30	0.195	-.0057852	.0011806
timew1w3	0 (omitted)						
1.w1smoke		.0103286	.1124189	0.09	0.927	-.2100845	.2307417
w1smoke#c.timew1w3							
1	-.0453674	.0317792	-1.43	0.154	-.1078719	.017137	
timew1w3	0 (omitted)						
1.w1currdrugs		.2054004	.1256773	1.63	0.103	-.041976	.4527767
w1currdrugs#c.timew1w3							
1	-.0535133	.0334356	-1.60	0.110	-.1192732	.0122465	
timew1w3	0 (omitted)						
w1hei2010_total_scorecent43		.004579	.0051368	0.89	0.375	-.0056329	.014791
c.timew1w3#c.w1hei2010_total_scorecent43		-.0017239	.0014132	-1.22	0.224	-.0045163	.0010685
timew1w3	0 (omitted)						
w1BMIcon30		-.0066805	.0088594	-0.75	0.451	-.0240447	.0106836
c.timew1w3#c.w1BMIcon30		.0038324	.0024161	1.59	0.113	-.0009061	.0085708
timew1w3	0 (omitted)						
w1SRH							
2	.295645	.1370276	2.16	0.031	.0270748	.5642152	
3	.0417514	.1450578	0.29	0.773	-.2425663	.3260691	
w1SRH#c.timew1w3							
2	-.0089396	.0370914	-0.24	0.810	-.0816375	.0637583	
3	-.0085617	.039228	-0.22	0.827	-.0854484	.0683249	
timew1w3	0 (omitted)						
w1CEScent15		-.0096701	.0053881	-1.79	0.073	-.020231	.0008909
c.timew1w3#c.w1CEScent15		.0004011	.0014863	0.27	0.787	-.0025136	.0033157
timew1w3	0 (omitted)						
w1dxHTN							
Yes		.0351094	.1146522	0.31	0.759	-.1896478	.2598666
w1dxHTN#c.timew1w3							

	Yes	<b>- .039947</b>	<b>.0311143</b>	<b>-1.28</b>	<b>0.199</b>	<b>-.1009398</b>	<b>.0210459</b>
	timew1w3	<b>0</b> (omitted)					
w1dxDiabetes							
preDiabetes		<b>-.1033972</b>	<b>.1228697</b>	<b>-0.84</b>	<b>0.400</b>	<b>-.3442756</b>	<b>.1374812</b>
Diabetes		<b>.0901662</b>	<b>.1625561</b>	<b>0.55</b>	<b>0.579</b>	<b>-.228681</b>	<b>.4090134</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0191568</b>	<b>.0332117</b>	<b>0.58</b>	<b>0.564</b>	<b>-.0459391</b>	<b>.0842528</b>
Diabetes		<b>-.0662144</b>	<b>.0436673</b>	<b>-1.52</b>	<b>0.129</b>	<b>-.1518036</b>	<b>.0193749</b>
timew1w3		<b>0</b> (omitted)					
w1CVhighChol							
Yes		<b>-.0632734</b>	<b>.1389163</b>	<b>-0.46</b>	<b>0.650</b>	<b>-.3399394</b>	<b>.2133925</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0066798</b>	<b>.0376178</b>	<b>0.18</b>	<b>0.859</b>	<b>-.0677669</b>	<b>.0811265</b>
timew1w3		<b>0</b> (omitted)					
1.w1cvdbr		<b>-.0708289</b>	<b>.1568199</b>	<b>-0.45</b>	<b>0.652</b>	<b>-.3787487</b>	<b>.2370909</b>
w1cvdbr#c.timew1w3							
1		<b>-.018822</b>	<b>.0432531</b>	<b>-0.44</b>	<b>0.664</b>	<b>-.1038381</b>	<b>.0661941</b>
timew1w3		<b>0</b> (omitted)					
invmillsmms		<b>.003417</b>	<b>.0065943</b>	<b>0.52</b>	<b>0.604</b>	<b>-.0095077</b>	<b>.0163416</b>
c.timew1w3#c.invmillsmms		<b>-.0014932</b>	<b>.0015785</b>	<b>-0.95</b>	<b>0.344</b>	<b>-.0045872</b>	<b>.0016007</b>
timew1w3		<b>0</b> (omitted)					
w1HCYcenter2p15		<b>.0821341</b>	<b>.1479361</b>	<b>0.56</b>	<b>0.579</b>	<b>-.2078166</b>	<b>.3720848</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.066687</b>	<b>.0392506</b>	<b>-1.70</b>	<b>0.089</b>	<b>-.1436169</b>	<b>.0102429</b>
_cons		<b>8.798633</b>	<b>.2630335</b>	<b>33.45</b>	<b>0.000</b>	<b>8.28233</b>	<b>9.314935</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>6.45e-07</b>	.	.	.
sd(_cons)	<b>.5852333</b>	<b>.0498292</b>	<b>.4952833</b>	<b>.6915195</b>
sd(Residual)	<b>.9847791</b>	<b>.0297853</b>	<b>.9280972</b>	<b>1.044923</b>

325 .  
326 . mi estimate: mixed LnTrailsAttestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4jobs==1 & Sex==2 || HNDID: timew1w3

Multiple-imputation estimates                          Imputations = 5  
Mixed-effects ML regression                          Number of obs = 1,116

Group variable: HNDID Number of groups = 598  
 Obs per group:  
 min = 1  
 avg = 1.9  
 max = 2  
 Average RVI = 0.0698  
 Largest FMI = 0.4643  
 DF adjustment: Large sample DF: min = 22.76  
 avg = 1560172.23  
 max = 5.81e+07  
 Model F test: Equal FMI F( 41, 31144.3) = 5.44  
 Prob > F = 0.0000

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0037997	.0179373	0.21	0.832	-.0313644 .0389637
w1Agecent48	.0107116	.0019253	5.56	0.000	.0069376 .0144856
c.timew1w3#c.w1Agecent48	.0009418	.0004134	2.28	0.023	.0001315 .0017521
timew1w3	0 (omitted)				
Sex					
Men	0 (omitted)				
Sex#c.timew1w3					
Men	0 (omitted)				
timew1w3	0 (omitted)				
Race					
AfrAm	.2000449	.0333935	5.99	0.000	.1345916 .2654981
Race#c.timew1w3					
AfrAm	-.0085609	.0072527	-1.18	0.238	-.0227761 .0056543
timew1w3	0 (omitted)				
PovStat					
Below	.0467444	.0355087	1.32	0.188	-.022852 .1163408
PovStat#c.timew1w3					
Below	-.0023786	.0074918	-0.32	0.751	-.0170623 .012305
timew1w3	0 (omitted)				
w1edubr					
2	-.0657022	.0706385	-0.93	0.352	-.2042327 .0728282
3	-.1177193	.0768487	-1.53	0.126	-.2684519 .0330133
w1edubr#c.timew1w3					
2	.0020441	.014684	0.14	0.889	-.0267372 .0308254
3	.0033637	.0161739	0.21	0.835	-.0283448 .0350722
timew1w3	0 (omitted)				
w1WRATtotalcent42	-.0067675	.0021912	-3.09	0.002	-.0110621 -.0024728
c.timew1w3#c.w1WRATtotalcent42	-.0002794	.0004712	-0.59	0.553	-.0012028 .0006441
timew1w3	0 (omitted)				
1.w1smoke	-.0402622	.0392188	-1.03	0.307	-.1181634 .0376389

w1smoke#c.timew1w3							
1	.0042533	.0081477	0.52	0.602	-.0117355	.020242	
timew1w3	0	(omitted)					
1.w1currdrugs	.0455619	.0402263	1.13	0.259	-.033748	.1248718	
w1currdrugs#c.timew1w3							
1	-.003862	.00876	-0.44	0.659	-.0210725	.0133485	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	-.0001331	.0016976	-0.08	0.938	-.0035648	.0032985	
c.timew1w3#c.w1hei2010_total_scorecent43	.0002137	.0003883	0.55	0.583	-.0005568	.0009841	
timew1w3	0	(omitted)					
w1BMIcon30	-.001356	.0029136	-0.47	0.642	-.0070673	.0043553	
c.timew1w3#c.w1BMIcon30	-.0000898	.0006244	-0.14	0.886	-.0013137	.0011341	
timew1w3	0	(omitted)					
w1SRH							
2	-.0679405	.0448789	-1.51	0.130	-.1559021	.0200212	
3	-.0876874	.0474278	-1.85	0.064	-.1806458	.005271	
w1SRH#c.timew1w3							
2	.0058268	.0100127	0.58	0.561	-.013798	.0254516	
3	.0047705	.0106218	0.45	0.653	-.0160486	.0255895	
timew1w3	0	(omitted)					
w1CEScent15	0	(omitted)					
.0006002	.0017349	0.35	0.729	-.0028001	.0040006		
c.timew1w3#c.w1CEScent15	.0010897	.000384	2.84	0.005	.0003369	.0018424	
timew1w3	0	(omitted)					
w1dxHTN							
Yes	-.0150688	.0392843	-0.38	0.702	-.0925354	.0623977	
w1dxHTN#c.timew1w3							
Yes	.0068691	.0081347	0.84	0.398	-.0090752	.0228133	
timew1w3	0	(omitted)					
w1dxDiabetes							
preDiabetes	.0220659	.04054	0.54	0.586	-.0574582	.10159	
Diabetes	.0558465	.0541221	1.03	0.303	-.0505566	.1622497	
w1dxDiabetes#c.timew1w3							
preDiabetes	-.0106527	.0088403	-1.21	0.228	-.0279798	.0066745	
Diabetes	-.0129176	.0116772	-1.11	0.269	-.0358055	.0099703	
timew1w3	0	(omitted)					
w1CVhighChol							
Yes	-.0342056	.0501678	-0.68	0.502	-.1380468	.0696355	
w1CVhighChol#c.timew1w3							
Yes	.0043562	.0089513	0.49	0.627	-.0131884	.0219008	
timew1w3	0	(omitted)					
1.w1cvdbr	-.0260973	.0513499	-0.51	0.612	-.1272824	.0750878	

w1cvdbr#c.timew1w3							
1	.0111196	.011537	0.96	0.336	-.011585	.0338242	
timew1w3	0 (omitted)						
invmillsmms	.0081605	.0020221	4.04	0.000	.0041972	.0121238	
c.timew1w3#c.invmillsmms	-.0007065	.0004193	-1.68	0.092	-.0015283	.0001153	
timew1w3	0 (omitted)						
w1HCYcenter2p15	.05783	.0482591	1.20	0.231	-.0367565	.1524165	
c.timew1w3#c.w1HCYcenter2p15	.0021583	.0106278	0.20	0.839	-.0186719	.0229885	
_cons	3.538169	.0840845	42.08	0.000	3.37328	3.703057	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0154601	.0134072	.0028251	.0846031
sd(_cons)	.2701017	.0125077	.2466666	.2957633
sd(Residual)	.2422458	.0119702	.2198848	.2668808

327 .  
328 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4kobs==1 & Sex==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,080

Group variable: HNDID

Number of groups	=	590
Obs per group:		
min	=	1
avg	=	1.8
max	=	2
Average RVI	=	0.0556
Largest FMI	=	0.3806

DF adjustment: Large sample

DF:	min	=	33.65
	avg	=	237,093.42
	max	=	5009328.76

Model F test: Equal FMI

F( 41,46181.5)	=	10.39
Prob > F	=	0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0275632	.0259938	-1.06	0.289	-.0785178 .0233913
w1Agecent48	.0187487	.0028178	6.65	0.000	.0132259 .0242716
c.timew1w3#c.w1Agecent48	-.0001917	.000572	-0.34	0.738	-.0013128 .0009294
timew1w3	0 (omitted)				
Sex					
Men	0 (omitted)				
Sex#c.timew1w3					

	Men	0	(omitted)			
	timew1w3	0	(omitted)			
	Race					
	AfrAm	.2877803	.0490963	5.86	0.000	.1915531
	Race#c.timew1w3					
	AfrAm	.0041848	.0102282	0.41	0.682	-.0158624
	timew1w3	0	(omitted)			
	PovStat					
	Below	.1275156	.0523615	2.44	0.015	.0248889
	PovStat#c.timew1w3					
	Below	-.0068247	.0107369	-0.64	0.525	-.0278698
	timew1w3	0	(omitted)			
	w1edubr					
	2	-.2773018	.1039619	-2.67	0.008	-.4811435
	3	-.4035544	.1118254	-3.61	0.000	-.6227648
	w1edubr#c.timew1w3					
	2	.0012544	.0217514	0.06	0.954	-.0413993
	3	.010113	.0233535	0.43	0.665	-.035671
	timew1w3	0	(omitted)			
	w1WRATtotalcent42	-.0243203	.0032659	-7.45	0.000	-.0307218
c.timew1w3#c.w1WRATtotalcent42		.0003223	.000681	0.47	0.636	-.0010125
	timew1w3	0	(omitted)			
	1.w1smoke	.0214219	.0534314	0.40	0.689	-.0835333
	w1smoke#c.timew1w3					
	1	.009489	.0114189	0.83	0.406	-.0129102
	timew1w3	0	(omitted)			
	1.w1currdrugs	-.0647953	.0594195	-1.09	0.277	-.1820748
	w1currdrugs#c.timew1w3					
	1	.0188752	.0127532	1.48	0.141	-.0062849
	timew1w3	0	(omitted)			
	w1hei2010_total_scorecent43	.0019944	.0024996	0.80	0.431	-.0030873
c.timew1w3#c.w1hei2010_total_scorecent43		-.0001057	.000567	-0.19	0.853	-.0012424
	timew1w3	0	(omitted)			
	w1BMIcon30	-.0005451	.004259	-0.13	0.898	-.0088927
c.timew1w3#c.w1BMIcon30		-.0000621	.0008804	-0.07	0.944	-.001788
	timew1w3	0	(omitted)			
	w1SRH					
	2	-.1438924	.0661763	-2.17	0.030	-.2735958
	3	-.0316239	.069812	-0.45	0.651	-.1684531
	w1SRH#c.timew1w3					
	2	.0080745	.014163	0.57	0.569	-.0196845
						.0358336

	3	.0070364	.0150989	0.47	0.641	-.0225577	.0366305
	timew1w3 w1CEScent15	0 .0076555	(omitted) .0025696	2.98	0.003	.0026189	.012692
c.timew1w3#c.w1CEScent15		.0001936	.0005612	0.34	0.730	-.0009069	.001294
	timew1w3	0	(omitted)				
	w1dxHTN Yes	-.015696	.0542454	-0.29	0.772	-.1220435	.0906515
w1dxHTN#c.timew1w3 Yes		.0097593	.0113203	0.86	0.389	-.0124292	.0319477
	timew1w3	0	(omitted)				
	w1dxDiabetes preDiabetes Diabetes	-.054231 .0526766	.0595071 .0767178	-0.91 0.69	0.362 0.492	-.1709623 -.09775	.0625003 .2031032
w1dxDiabetes#c.timew1w3 preDiabetes Diabetes		.0010319 .0004181	.0123236 .0165113	0.08 0.03	0.933 0.980	-.0231228 -.0319464	.0251866 .0327826
	timew1w3	0	(omitted)				
	w1CVhighChol Yes	-.061327	.0602175	-1.02	0.310	-.1800671	.0574131
w1CVhighChol#c.timew1w3 Yes		.0148914	.0126862	1.17	0.241	-.0099957	.0397785
	timew1w3 1.w1cvdbr	0 .0203762	(omitted) .0800332	0.25	0.800	-.1392516	.180004
w1cvdbr#c.timew1w3 1		.0247968	.0154043	1.61	0.108	-.005428	.0550217
	timew1w3 invmillsmms	0 .0071514	(omitted) .0029775	2.40	0.016	.0013154	.0129874
c.timew1w3#c.invmillsmms		-.00151	.000585	-2.58	0.010	-.0026565	-.0003635
	timew1w3 w1HCYcenter2p15	0 .1471546	(omitted) .0715842	2.06	0.040	.0068514	.2874579
c.timew1w3#c.w1HCYcenter2p15		.0164678	.0143859	1.14	0.252	-.0117282	.0446638
	_cons	4.829948	.1228698	39.31	0.000	4.589097	5.070799

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	.0649762	.0143438	.0421547	.1001525	
sd(_cons)	.469492	.0273591	.4188178	.5262975	
corr(timew1w3,_cons)	-.421402	.0705392	-.5493874	-.2740964	
sd(Residual)	.2549269	.0381499	.190122	.3418212	

```

329 .
330 .
331 . save, replace
      file finaldata_imputed_FINAL.dta saved

332 .
333 .
334 . ****TABLE 2: HOMOCYSTEINE AT BASELINE VS. COGNITIVE CHANGE OVER TIME: INTERACTION BY
335 .
336 .
337 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
338 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4aobs==1 || HNDID: timew1w3, cov(un)

```

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: HNDID	Imputations = 5
	Number of obs = 2,653
	Number of groups = 1,430
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
	Average RVI = 0.0000
	Largest FMI = 0.0000
DF adjustment: Large sample	DF: min = 1.22e+54
	avg = 1.22e+54
	max = .
Model F test: Equal FMI	F( 15, .) = 14.35
	Prob > F = 0.0000

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0072995	.0205769	-0.35	0.723	-.0476296 .0330306
w1Agecent48	-.0246634	.0060623	-4.07	0.000	-.0365453 -.0127814
c.timew1w3##c.w1Agecent48	-.0024741	.0011899	-2.08	0.038	-.0048062 -.000142
timew1w3	0 (omitted)				
Sex					
Men	-.3305562	.1146786	-2.88	0.004	-.5553222 -.1057902
Sex#c.timew1w3					
Men	.0267264	.0224819	1.19	0.235	-.0173373 .0707901
timew1w3	0 (omitted)				
Race					
AfrAm	-.7569517	.1104836	-6.85	0.000	-.9734956 -.5404079
Race#c.timew1w3					
AfrAm	.0008632	.0218303	0.04	0.968	-.0419234 .0436497
timew1w3	0 (omitted)				
PovStat					
Below	-.5495886	.1142517	-4.81	0.000	-.7735179 -.3256594
PovStat#c.timew1w3					
Below	-.0145181	.0220338	-0.66	0.510	-.0577036 .0286674

timew1w3	0	(omitted)					
invmillsmms	.0093297	.0035728	2.61	0.009	.0023271	.0163324	
c.timew1w3#c.invmillsmms	-.0018981	.000635	-2.99	0.003	-.0031427	-.0006535	
timew1w3	0	(omitted)					
w1HCYcenter2p15	-.1242364	.2398243	-0.52	0.604	-.5942834	.3458105	
c.timew1w3#c.w1HCYcenter2p15	.0179222	.04722	0.38	0.704	-.0746273	.1104717	
Sex#c.w1HCYcenter2p15							
Men	-.3977361	.3462091	-1.15	0.251	-1.076293	.2808213	
Sex#c.timew1w3#c.w1HCYcenter2p15							
Men	-.0175366	.0692543	-0.25	0.800	-.1532725	.1181994	
_cons	28.6266	.1023158	279.79	0.000	28.42607	28.82714	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.1195528	.0133358	.096075	.1487677
sd(_cons)	1.644606	.0495427	1.550315	1.744632
corr(timew1w3,_cons)	-1	.0000456	-1	1
sd(Residual)	1.199702	.0255977	1.150566	1.250937

339 .  
 340 .  
 341 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 2,653
Group variable: HNDID	Number of groups = 1,430
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
DF adjustment: Large sample	Average RVI = .
	Largest FMI = .
	DF: min = 0.00
	avg = .
	max = .
Model F test: Equal FMI	F( 15, 1.6e+66) = 15.70
	Prob > F = 0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.1833401	.1660946	-1.10	0.270	-.5088796 .1421994
w1Agecent48	-.1994345	.0445788	-4.47	0.000	-.2868073 -.1120617
c.timew1w3#c.w1Agecent48	-.0203623	.0095829	-2.12	0.034	-.0391444 -.0015802
timew1w3	0 (omitted)				
Sex Men	-1.942838	.8433161	-2.30	0.021	-3.595707 -.2899685
Sex#c.timew1w3 Men	.1562443	.181032	0.86	0.388	-.198572 .5110606
timew1w3	0 (omitted)				
Race AfrAm	-6.846369	.812474	-8.43	0.000	-8.438789 -5.253949
Race#c.timew1w3 AfrAm	.0664534	.1758696	0.38	0.706	-.2782448 .4111515
timew1w3	0 (omitted)				
PovStat Below	-4.180674	.8404838	-4.97	0.000	-5.827992 -2.533356
PovStat#c.timew1w3 Below	-.2335932	.1771813	-1.32	0.187	-.5808623 .1136758
timew1w3 invmillsmms	0 (omitted)				
	.0535433	.0262868	2.04	0.042	.0020222 .1050645
c.timew1w3#c.invmillsmms	-.0098243	.0050679	-1.94	0.053	-.0197571 .0001086
timew1w3 w1HCYcenter2p15	0 (omitted)				
	-1.339739	1.763954	-0.76	0.448	-4.797025 2.117547
c.timew1w3#c.w1HCYcenter2p15	.1251052	.3803267	0.33	0.742	-.6203215 .8705319
Sex#c.w1HCYcenter2p15 Men	-.6013948	2.54599	-0.24	0.813	-5.591443 4.388653
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	-.1394751	.55894	-0.25	0.803	-1.234977 .9560273
_cons	83.60724	.7519513	111.19	0.000	82.13344 85.08104

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.5401215	.	.
sd(_cons)	11.18303	.	.
corr(timew1w3,_cons)	-1	2.72e-11	-1
sd(Residual)	9.96259	.	.

```

342 .
343 .
344 .
345 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4bobs==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Imputations      =      5
Number of obs    =  2,464

Group variable: HNDID
Number of groups  =  1,420
Obs per group:
min =      1
avg =      1.7
max =      2
Average RVI      =  0.0000
Largest FMI      =  0.0000
DF: min          =  4.10e+63
      avg          =  4.55e+68
      max          =
Model F test: Equal FMI
F( 15, 1.6e+66) =   88.27
Prob > F          =  0.0000

```

	cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-1.128464	.0708261	-15.93	0.000	-1.267281	-.9896477
w1Agecent48	-.1532632	.019791	-7.74	0.000	-.1920528	-.1144735
c.timew1w3##c.w1Agecent48	-.0077736	.0039865	-1.95	0.051	-.015587	.0000397
timew1w3	0	(omitted)				
Sex						
Men	-2.522005	.374255	-6.74	0.000	-3.255532	-1.788479
Sex#c.timew1w3						
Men	-.1331248	.0754714	-1.76	0.078	-.2810462	.0147965
timew1w3	0	(omitted)				
Race						
AfrAm	-2.766563	.3612544	-7.66	0.000	-3.474609	-2.058518
Race#c.timew1w3						
AfrAm	.0838056	.0732481	1.14	0.253	-.0597581	.2273692
timew1w3	0	(omitted)				
PovStat						
Below	-1.72747	.3680265	-4.69	0.000	-2.448789	-1.006151
PovStat#c.timew1w3						
Below	-.0034498	.0721541	-0.05	0.962	-.1448692	.1379697
timew1w3	0	(omitted)				
invmillsmms	.0197305	.0111992	1.76	0.078	-.0022195	.0416804
c.timew1w3##c.invmillsmms	-.000396	.0019938	-0.20	0.843	-.0043038	.0035118
timew1w3	0	(omitted)				
w1HCYcenter2p15	.8156468	.7694201	1.06	0.289	-.6923888	2.323682

c.timew1w3#c.w1HCYcenter2p15	<b>-.0338406</b>	<b>.1573433</b>	<b>-0.22</b>	<b>0.830</b>	<b>-.3422277</b>	<b>.2745466</b>
Sex#c.w1HCYcenter2p15 Men	<b>-.514308</b>	<b>1.123056</b>	<b>-0.46</b>	<b>0.647</b>	<b>-2.715457</b>	<b>1.686841</b>
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	<b>-.1407434</b>	<b>.2261461</b>	<b>-0.62</b>	<b>0.534</b>	<b>-.5839816</b>	<b>.3024948</b>
_cons	<b>28.10479</b>	<b>.3378539</b>	<b>83.19</b>	<b>0.000</b>	<b>27.44261</b>	<b>28.76697</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.2445685</b>	<b>.1545453</b>	<b>.070879</b>	<b>.8438851</b>
sd(_cons)	<b>4.952576</b>	<b>.1347314</b>	<b>4.695423</b>	<b>5.223811</b>
sd(Residual)	<b>3.781425</b>	<b>.1352721</b>	<b>3.525377</b>	<b>4.056069</b>

```

346 .
347 .
348 .
349 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4cobs==1 || HNDID:

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,339
Number of groups = 1,391
Obs per group:
    min = 1
    avg = 1.7
    max = 2
Average RVI = 0.0000
Largest FMI = 0.0000
DF: min = 7.40e+62
      avg = 5.67e+64
      max = .
F( 15, 6.6e+65) = 53.97
Prob > F = 0.0000

```

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.357472</b>	<b>.0346736</b>	<b>-10.31</b>	<b>0.000</b>	<b>-.4254311</b>	<b>-.289513</b>
w1Agecent48	<b>-.0817124</b>	<b>.0092935</b>	<b>-8.79</b>	<b>0.000</b>	<b>-.0999273</b>	<b>-.0634976</b>
c.timew1w3#c.w1Agecent48	<b>-.0035706</b>	<b>.0019586</b>	<b>-1.82</b>	<b>0.068</b>	<b>-.0074094</b>	<b>.0002682</b>
timew1w3		0 (omitted)				
Sex						
Men	<b>-1.125876</b>	<b>.1756121</b>	<b>-6.41</b>	<b>0.000</b>	<b>-1.47007</b>	<b>-.7816828</b>
Sex#c.timew1w3						
Men	<b>-.0500561</b>	<b>.0366991</b>	<b>-1.36</b>	<b>0.173</b>	<b>-.121985</b>	<b>.0218729</b>
timew1w3		0 (omitted)				
Race						

AfrAm	<b>-1.543335</b>	.1691243	-9.13	<b>0.000</b>	<b>-1.874813</b>	<b>-1.211857</b>
Race#c.timew1w3						
AfrAm	<b>.0190549</b>	.0357452	0.53	<b>0.594</b>	<b>-.0510043</b>	<b>.0891142</b>
timew1w3	0	(omitted)				
PovStat						
Below	<b>-.5559566</b>	.1723529	-3.23	<b>0.001</b>	<b>-.8937622</b>	<b>-.2181511</b>
PovStat#c.timew1w3						
Below	<b>-.0324585</b>	.035127	-0.92	<b>0.355</b>	<b>-.1013062</b>	<b>.0363891</b>
timew1w3	0	(omitted)				
invmillsmms	<b>.0094666</b>	.0051852	1.83	<b>0.068</b>	<b>-.0006962</b>	<b>.0196294</b>
c.timew1w3#c.invmillsmms	<b>-.0003886</b>	.0009403	-0.41	<b>0.679</b>	<b>-.0022316</b>	<b>.0014544</b>
timew1w3	0	(omitted)				
w1HCYcenter2p15	<b>.4715403</b>	.3601338	1.31	<b>0.190</b>	<b>-.2343089</b>	<b>1.17739</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0358742</b>	.0770504	-0.47	<b>0.642</b>	<b>-.1868902</b>	<b>.1151417</b>
Sex#c.w1HCYcenter2p15						
Men	<b>-.3940607</b>	.5280629	-0.75	<b>0.456</b>	<b>-1.429045</b>	<b>.6409237</b>
Sex#c.timew1w3#c.w1HCYcenter2p15						
Men	<b>.0582311</b>	.1100852	0.53	<b>0.597</b>	<b>-.1575319</b>	<b>.2739941</b>
_cons	<b>8.971112</b>	.1583318	56.66	<b>0.000</b>	<b>8.660787</b>	<b>9.281436</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity				
sd(_cons)	<b>2.212412</b>	.0644518	<b>2.089627</b>	<b>2.342411</b>
sd(Residual)	<b>1.82668</b>	.0421723	<b>1.745866</b>	<b>1.911235</b>

```

350 .
351 .
352 .
353 . mi estimate: mixed BVRTot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4dobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,751
Number of groups = 1,443
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI = 0.0000
    Largest FMI = 0.0000
    DF: min = 6.40e+59
        avg = 9.83e+61
        max = .
    F( 15, 3.0e+65) = 37.85
    Prob > F = 0.0000

```

BVRTot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.2303515	.0480043	4.80	0.000	.1362647 .3244382
w1Agecent48	.1300298	.0139319	9.33	0.000	.1027239 .1573358
c.timew1w3#c.w1Agecent48	.0068707	.0028101	2.44	0.014	.001363 .0123785
timew1w3	0 (omitted)				
Sex Men	-1.065869	.2638329	-4.04	0.000	-1.582972 -.548766
Sex#c.timew1w3 Men	.0759401	.0528956	1.44	0.151	-.0277332 .1796135
timew1w3	0 (omitted)				
Race AfrAm	1.082728	.2535018	4.27	0.000	.5858735 1.579582
Race#c.timew1w3 AfrAm	.161332	.0511066	3.16	0.002	.061165 .261499
timew1w3	0 (omitted)				
PovStat Below	1.179904	.2618154	4.51	0.000	.6667553 1.693053
PovStat#c.timew1w3 Below	.0886344	.0519536	1.71	0.088	-.0131928 .1904617
timew1w3 invmillsmms	0 (omitted)				
- .0173823	.0082409	-2.11	0.035	-.033534	-.0012305
c.timew1w3#c.invmillsmms	-.0002729	.001547	-0.18	0.860	-.0033049 .0027591
timew1w3 w1HCYcenter2p15	0 (omitted)				
.5919396	.5479861	1.08	0.280	-.4820934	1.665973
c.timew1w3#c.w1HCYcenter2p15	-.0169123	.1106184	-0.15	0.878	-.2337204 .1998958
Sex#c.w1HCYcenter2p15 Men	-.3472522	.79336	-0.44	0.662	-1.902209 1.207705
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	.3313305	.1589653	2.08	0.037	.0197643 .6428966
_cons	5.813584	.2347767	24.76	0.000	5.353431 6.273738

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.6849942	.0579478	.5803348 .8085283
sd(_cons)	4.268809	.1316578	4.018409 4.534812
corr(timew1w3,_cons)	-.4222126	.0353277	-.4889224 -.3505931
sd(Residual)	1.890143	.2049826	1.528211 2.337793

354 .  
 355 .  
 356 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4eobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5  
 Number of obs = 2,486

Group variable: HNDID

Number of groups = 1,418  
 Obs per group:  
 min = 1  
 avg = 1.8  
 max = 2

Average RVI = 0.0000  
 Largest FMI = 0.0000

DF adjustment: Large sample

DF: min = 2.33e+60  
 avg = 1.79e+62  
 max = .

Model F test: Equal FMI

F( 15, 3.1e+63) = 12.09  
 Prob > F = 0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0473583	.0248469	-1.91	0.057	-.0960574 .0013407
w1Agecent48	-.0220234	.0064971	-3.39	0.001	-.0347574 -.0092894
c.timew1w3#c.w1Agecent48	-.0026812	.0014221	-1.89	0.059	-.0054685 .000106
timew1w3	0 (omitted)				
Sex Men	-.169846	.1236676	-1.37	0.170	-.4122302 .0725381
Sex#c.timew1w3 Men	-.0079279	.0268735	-0.30	0.768	-.0605989 .0447431
timew1w3	0 (omitted)				
Race AfrAm	-.9194355	.1187619	-7.74	0.000	-1.152204 -.6866665
Race#c.timew1w3 AfrAm	.0235761	.0260123	0.91	0.365	-.0274071 .0745592
timew1w3	0 (omitted)				
PovStat Below	-.4556169	.12188	-3.74	0.000	-.6944972 -.2167366
PovStat#c.timew1w3 Below	-.0544562	.0260787	-2.09	0.037	-.1055694 -.0033429
timew1w3 invmillsmms	0 (omitted)				
timew1w3 invmillsmms	.002079	.0037027	0.56	0.574	-.0051781 .0093361
c.timew1w3#c.invmillsmms	-.0005638	.0007302	-0.77	0.440	-.0019949 .0008673
timew1w3 w1HCYcenter2p15	0 (omitted)				
timew1w3 w1HCYcenter2p15	.1044473	.2707465	0.39	0.700	-.426206 .6351006
c.timew1w3#c.w1HCYcenter2p15	-.0115171	.0589235	-0.20	0.845	-.127005 .1039707

Sex#c.w1HCYcenter2p15 Men	<b>-.7347577</b>	<b>.3807512</b>	<b>-1.93</b>	<b>0.054</b>	<b>-1.481016</b>	<b>.0115009</b>
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	<b>-.0006934</b>	<b>.0834483</b>	<b>-0.01</b>	<b>0.993</b>	<b>-.164249</b>	<b>.1628623</b>
_cons	<b>7.564123</b>	<b>.1103318</b>	<b>68.56</b>	<b>0.000</b>	<b>7.347876</b>	<b>7.780369</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.0965886</b>	<b>.1231558</b>	<b>.0079359</b>	<b>1.175587</b>
sd(_cons)	<b>1.531511</b>	<b>.1062194</b>	<b>1.336854</b>	<b>1.75451</b>
corr(timew1w3,_cons)	<b>.0700064</b>	<b>.5054059</b>	<b>-.7284114</b>	<b>.787789</b>
sd(Residual)	<b>1.384655</b>	<b>.1001427</b>	<b>1.201655</b>	<b>1.595524</b>

357 .

358 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##c.w1HCYcenter2p15##Sex ///  
> if sample4fobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,773
Group variable: HNDID	Number of groups	=	1,446
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF: min	=	4.66e+60
	avg	=	5.00e+65
	max	=	.
Model F test: Equal FMI	F( 15, 8.3e+63)	=	11.33
	Prob > F	=	0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>.07895</b>	<b>.049398</b>	<b>1.60</b>	<b>0.110</b>	<b>-.0178683</b>
w1Agecent48	<b>-.0782259</b>	<b>.0154989</b>	<b>-5.05</b>	<b>0.000</b>	<b>-.1086032</b>
c.timew1w3#c.w1Agecent48	<b>-.0034205</b>	<b>.0028569</b>	<b>-1.20</b>	<b>0.231</b>	<b>-.00902</b>
timew1w3	0	(omitted)			
Sex					
Men	<b>1.081895</b>	<b>.2930117</b>	<b>3.69</b>	<b>0.000</b>	<b>.507603</b>
Sex#c.timew1w3					
Men	<b>-.0012437</b>	<b>.0537655</b>	<b>-0.02</b>	<b>0.982</b>	<b>-.1066221</b>
timew1w3	0	(omitted)			
Race					
AfrAm	<b>-1.963321</b>	<b>.2825164</b>	<b>-6.95</b>	<b>0.000</b>	<b>-2.517043</b>
					<b>-1.409599</b>

Race#c.timew1w3						
AfrAm	<b>-.0359367</b>	<b>.0523043</b>	<b>-0.69</b>	<b>0.492</b>	<b>-.1384512</b>	<b>.0665777</b>
timew1w3	<b>0</b>	(omitted)				
PovStat						
Below	<b>-1.435746</b>	<b>.2917999</b>	<b>-4.92</b>	<b>0.000</b>	<b>-2.007663</b>	<b>-.8638285</b>
PovStat#c.timew1w3						
Below	<b>.014673</b>	<b>.0525561</b>	<b>0.28</b>	<b>0.780</b>	<b>-.088335</b>	<b>.1176811</b>
timew1w3	<b>0</b>	(omitted)				
invmillsmms	<b>.0112731</b>	<b>.0093358</b>	<b>1.21</b>	<b>0.227</b>	<b>-.0070247</b>	<b>.029571</b>
c.timew1w3#c.invmillsmms	<b>-.0012442</b>	<b>.0015796</b>	<b>-0.79</b>	<b>0.431</b>	<b>-.0043401</b>	<b>.0018518</b>
timew1w3	<b>0</b>	(omitted)				
w1HCYcenter2p15	<b>-1.050679</b>	<b>.6103964</b>	<b>-1.72</b>	<b>0.085</b>	<b>-2.247034</b>	<b>.1456761</b>
c.timew1w3#c.w1HCYcenter2p15	<b>.0967483</b>	<b>.1137968</b>	<b>0.85</b>	<b>0.395</b>	<b>-.1262893</b>	<b>.319786</b>
Sex#c.w1HCYcenter2p15						
Men	<b>1.155625</b>	<b>.8798202</b>	<b>1.31</b>	<b>0.189</b>	<b>-.5687914</b>	<b>2.880041</b>
Sex#c.timew1w3#c.w1HCYcenter2p15						
Men	<b>-.2654009</b>	<b>.1609103</b>	<b>-1.65</b>	<b>0.099</b>	<b>-.5807793</b>	<b>.0499775</b>
_cons	<b>20.16283</b>	<b>.260555</b>	<b>77.38</b>	<b>0.000</b>	<b>19.65215</b>	<b>20.67351</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	<b>.2620603</b>	<b>.1706978</b>	<b>.0731064</b>
sd(_cons)	<b>4.319329</b>	<b>.162155</b>	<b>4.012922</b>
corr(timew1w3,_cons)	<b>-.1674883</b>	<b>.1272887</b>	<b>-.4017744</b>
sd(Residual)	<b>2.920043</b>	<b>.1733964</b>	<b>2.599224</b>
			<b>3.280461</b>

359 .

360 . mi estimate: mixed DigitSpanFwd

c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##c.w1HCYcenter2p15##Sex ///  
> if sample4gobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,717

Group variable: **HNDID**

Number of groups = 1,443  
Obs per group:

min = 1  
avg = 1.9  
max = 2

Average RVI = .

Largest FMI = .

DF adjustment: Large sample

DF: min = 0.00  
avg = .  
max = .

Model F test: Equal FMI

F( 15, 2.6e+64) = 8.04  
Prob > F = 0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0244239	.0195544	1.25	0.212	-.0139021 .0627499
w1Agecent48	-.0159128	.0062542	-2.54	0.011	-.0281709 -.0036547
c.timew1w3#c.w1Agecent48	-.0032061	.0011242	-2.85	0.004	-.0054095 -.0010027
timew1w3	0 (omitted)				
Sex Men	.2705246	.1184125	2.28	0.022	.0384403 .5026089
Sex#c.timew1w3 Men	-.0334912	.0212745	-1.57	0.115	-.0751885 .0082061
timew1w3	0 (omitted)				
Race AfrAm	-.6737783	.1138041	-5.92	0.000	-.8968302 -.4507264
Race#c.timew1w3 AfrAm	-.0181138	.0205966	-0.88	0.379	-.0584824 .0222547
timew1w3	0 (omitted)				
PovStat Below	-.4745558	.117429	-4.04	0.000	-.7047124 -.2443992
PovStat#c.timew1w3 Below	-.0239572	.0206844	-1.16	0.247	-.0644979 .0165835
timew1w3 invmillsmms	0 (omitted)				
	.006082	.0037429	1.62	0.104	-.0012539 .0134179
c.timew1w3#c.invmillsmms	-.0005374	.0006126	-0.88	0.380	-.0017382 .0006633
timew1w3 w1HCYcenter2p15	0 (omitted)				
	-.029191	.247732	-0.12	0.906	-.5147367 .4563548
c.timew1w3#c.w1HCYcenter2p15	-.0507969	.045783	-1.11	0.267	-.1405299 .0389361
Sex#c.w1HCYcenter2p15 Men	-.5409645	.3573825	-1.51	0.130	-1.241421 .1594923
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	.0490857	.06496	0.76	0.450	-.0782336 .176405
_cons	7.806586	.1054705	74.02	0.000	7.599868 8.013305

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID:</b> Unstructured			
sd(timew1w3)	.0153086	.	.
sd(_cons)	1.73521	.	.
corr(timew1w3,_cons)	.9999995	.	.
sd(Residual)	1.189811	.	.

361 .  
 362 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4hobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5  
 Number of obs = 2,704

Group variable: HNDID

Number of groups = 1,444  
 Obs per group:  
 min = 1  
 avg = 1.9  
 max = 2

Average RVI = 0.0000  
 Largest FMI = 0.0000

DF adjustment: Large sample

DF: min = .  
 avg = .  
 max = .

Model F test: Equal FMI

F( 15, .) = 12.33  
 Prob > F = 0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0080963	.0203451	0.40	0.691	-.0317793 .0479719
w1Agecent48	-.0215393	.0061844	-3.48	0.000	-.0336606 -.009418
c.timew1w3##c.w1Agecent48	-.0012961	.0011705	-1.11	0.268	-.0035903 .0009982
timew1w3	0 (omitted)				
Sex Men	-.0108935	.1172562	-0.09	0.926	-.2407114 .2189244
Sex#c.timew1w3 Men	-.0162382	.0221886	-0.73	0.464	-.0597271 .0272507
timew1w3	0 (omitted)				
Race AfrAm	-1.007949	.1126354	-8.95	0.000	-1.22871 -.7871875
Race#c.timew1w3 AfrAm	-.0160445	.0214658	-0.75	0.455	-.0581168 .0260278
timew1w3	0 (omitted)				
PovStat Below	-.5624672	.1163164	-4.84	0.000	-.7904431 -.3344912
PovStat#c.timew1w3 Below	.0008522	.0215456	0.04	0.968	-.0413764 .0430808
timew1w3	0 (omitted)				
invmillsmms	.0061859	.0037006	1.67	0.095	-.0010672 .013439
c.timew1w3##c.invmillsmms	-.0004729	.0006378	-0.74	0.458	-.0017229 .0007771
timew1w3	0 (omitted)				
w1HCYcenter2p15	-.1550599	.2454244	-0.63	0.528	-.6360829 .3259631
c.timew1w3##c.w1HCYcenter2p15	.0255056	.0474548	0.54	0.591	-.067504 .1185152

Sex#c.w1HCYcenter2p15 Men	<b>-.3571559</b>	.3534742	<b>-1.01</b>	<b>0.312</b>	<b>-1.049953</b>	.3356408
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	<b>-.0328265</b>	.0675461	<b>-0.49</b>	<b>0.627</b>	<b>-.1652145</b>	.0995615
_cons	<b>6.457482</b>	.1042411	<b>61.95</b>	<b>0.000</b>	<b>6.253173</b>	<b>6.661791</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.0092407</b>	.0120813	<b>.0007126</b>	.1198293
sd(_cons)	<b>1.664806</b>	.0489398	<b>1.571597</b>	1.763544
corr(timew1w3,_cons)	<b>-.9999914</b>	.0057052	<b>-1</b>	1
sd(Residual)	<b>1.240478</b>	.024761	<b>1.192885</b>	<b>1.289971</b>

363 .

364 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
> c.timew1w3##c.w1HCYcenter2p15##Sex ///  
> if sample4iobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,767
Group variable: HNDID	Number of groups	=	1,445
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF:	min	= 2.08e+64
		avg	= 5.35e+64
		max	= .
Model F test: Equal FMI	F( 15, 1.0e+66)	=	5.69
	Prob > F	=	0.0000

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.0199193</b>	.0156037	<b>-1.28</b>	<b>0.202</b>	<b>-.0505019</b>	.0106633
w1Agecent48	<b>-.0048937</b>	.0035193	<b>-1.39</b>	<b>0.164</b>	<b>-.0117914</b>	.0020039
c.timew1w3#c.w1Agecent48	<b>-.0014922</b>	.0009037	<b>-1.65</b>	<b>0.099</b>	<b>-.0032633</b>	.000279
timew1w3	0	(omitted)				
Sex Men	<b>.1126323</b>	.0665819	<b>1.69</b>	<b>0.091</b>	<b>-.0178658</b>	.2431304
Sex#c.timew1w3 Men	<b>.0117989</b>	.0169939	<b>0.69</b>	<b>0.487</b>	<b>-.0215086</b>	.0451063
timew1w3	0	(omitted)				
Race AfrAm	<b>-.3841465</b>	.0640578	<b>-6.00</b>	<b>0.000</b>	<b>-.5096975</b>	-.2585955
Race#c.timew1w3						

AfrAm	.0144347	.0164977	0.87	0.382	-.0179002	.0467697
timew1w3	0 (omitted)					
PovStat Below	-.0784169	.066456	-1.18	0.238	-.2086683	.0518346
PovStat#c.timew1w3 Below	-.0105537	.0166322	-0.63	0.526	-.0431522	.0220449
timew1w3 invmillsmms	0 (omitted) .000263	.002134	0.12	0.902	-.0039197	.0044456
c.timew1w3#c.invmillsmms	-.0001473	.0004986	-0.30	0.768	-.0011245	.0008299
timew1w3 w1HCYcenter2p15	0 (omitted) -.1861801	.1388029	-1.34	0.180	-.4582288	.0858686
c.timew1w3#c.w1HCYcenter2p15	-.0309453	.0360828	-0.86	0.391	-.1016662	.0397756
Sex#c.w1HCYcenter2p15 Men	.1278145	.2009453	0.64	0.525	-.266031	.52166
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	-.0298249	.0514765	-0.58	0.562	-.1307169	.0710672
_cons	9.010049	.0591098	152.43	0.000	8.894196	9.125902

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.0666936	.0564946	.012678 .3508468
sd(_cons)	.7113609	.0676965	.5903173 .8572242
corr(timew1w3,_cons)	-.2011155	.2461588	-.6085996 .2903098
sd(Residual)	.9523004	.0461222	.8660605 1.047128

```

365 .
366 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4jobs==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,701
Number of groups = 1,428
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI = 0.0000
    Largest FMI = 0.0000
    DF: min = 4.68e+54
        avg = 4.68e+54
        max = .
    F( 15, .) = 25.02
    Prob > F = 0.0000

```

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.000068	.0040816	0.02	0.987	-.0079318 .0080677
w1Agecent48	.0102866	.001069	9.62	0.000	.0081914 .0123818
c.timew1w3#c.w1Agecent48	.0007783	.0002375	3.28	0.001	.0003129 .0012438
timew1w3	0 (omitted)				
Sex Men	.086268	.020289	4.25	0.000	.0465023 .1260337
Sex#c.timew1w3 Men	.0013361	.0044932	0.30	0.766	-.0074704 .0101426
timew1w3	0 (omitted)				
Race AfrAm	.1820143	.0194219	9.37	0.000	.1439481 .2200805
Race#c.timew1w3 AfrAm	.000091	.0043275	0.02	0.983	-.0083907 .0085727
timew1w3	0 (omitted)				
PovStat Below	.0923902	.0201906	4.58	0.000	.0528173 .1319631
PovStat#c.timew1w3 Below	.0046958	.0043787	1.07	0.284	-.0038863 .0132778
timew1w3 invmillsmms	0 (omitted)				
.0003912	.0006354	0.62	0.538	-.0008542	.0016366
c.timew1w3#c.invmillsmms	-.0001521	.0001284	-1.18	0.236	-.0004038 .0000996
timew1w3 w1HCYcenter2p15	0 (omitted)				
.1118646	.0418194	2.67	0.007	.0299001	.193829
c.timew1w3#c.w1HCYcenter2p15	-.0207052	.009392	-2.20	0.027	-.0391133 -.0022972
Sex#c.w1HCYcenter2p15 Men	-.0256496	.0613126	-0.42	0.676	-.14582 .0945209
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	.0281404	.013778	2.04	0.041	.001136 .0551448
_cons	3.280886	.0178908	183.38	0.000	3.24582 3.315951

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Independent			
sd(timew1w3)	.0249723	.0055967	.016095 .0387459
sd(_cons)	.2658754	.0078424	.2509405 .2816992
sd(Residual)	.235768	.0078075	.2209515 .251578

367 .  
 368 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Pc  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4kobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations =	5
Mixed-effects ML regression	Number of obs =	2,609
Group variable: HNDID	Number of groups =	1,414
	Obs per group:	
	min =	1
	avg =	1.8
	max =	2
	Average RVI =	0.0000
	Largest FMI =	0.0000
DF adjustment: Large sample	DF: min =	1.92e+60
	avg =	4.90e+65
	max =	.
Model F test: Equal FMI	F( 15, 7.5e+63) =	29.53
	Prob > F =	0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0019362	.0061087	0.32	0.751	-.0100366 .0139091
w1Agecent48	.0172006	.0018698	9.20	0.000	.0135359 .0208653
c.timew1w3#c.w1Agecent48	.0005597	.0003586	1.56	0.119	-.0001432 .0012626
timew1w3	0 (omitted)				
Sex Men	.0437462	.0354939	1.23	0.218	-.0258206 .113313
Sex#c.timew1w3 Men	-.0033316	.0068041	-0.49	0.624	-.0166673 .0100041
timew1w3	0 (omitted)				
Race AfrAm	.3970296	.0339811	11.68	0.000	.3304279 .4636314
Race#c.timew1w3 AfrAm	.0016329	.0065403	0.25	0.803	-.0111858 .0144516
timew1w3	0 (omitted)				
PovStat Below	.2380056	.0353105	6.74	0.000	.1687983 .3072129
PovStat#c.timew1w3 Below	.0054812	.0066918	0.82	0.413	-.0076344 .0185969
timew1w3	0 (omitted)				
invmillsmms	-.0024693	.0011095	-2.23	0.026	-.0046439 -.0002947
c.timew1w3#c.invmillsmms	-.000528	.0004893	-1.08	0.281	-.001487 .0004311
timew1w3	0 (omitted)				
w1HCYcenter2p15	-.0084511	.0731089	-0.12	0.908	-.1517419 .1348397
c.timew1w3#c.w1HCYcenter2p15	.0027022	.0141189	0.19	0.848	-.0249704 .0303748

Sex#c.w1HCYcenter2p15 Men	.2729857	.1074198	2.54	0.011	.0624468	.4835245
Sex#timew1w3#c.w1HCYcenter2p15 Men	.0133772	.0204687	0.65	0.513	-.0267407	.0534952
_cons	4.229177	.0313355	134.96	0.000	4.167761	4.290594

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.0671061	.0115584	.0478796	.0940531
sd(_cons)	.5484154	.0198852	.5107938	.588808
corr(timew1w3,_cons)	-.436305	.0458055	-.5216059	-.342368
sd(Residual)	.2898744	.0279522	.2399549	.3501791

```

369 .
370 .
371 . save, replace
      file finaldata_imputed_FINAL.dta saved

372 .
373 .
374 . //MODEL 2: MODEL 1 + OTHER FACTORS + BODY MASS INDEX///
375 .
376 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,653
Number of groups = 1,430
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI =
Largest FMI =
DF: min = 0.00
    avg = .
    max = .
F( 29,71424.0) = 35.81
Prob > F = 0.0000

```

	MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0910291	.0483923	1.88	0.060	-.0038441	.1859022
w1Agecent48	-.0170433	.0052127	-3.27	0.001	-.027261	-.0068256
c.timew1w3#c.w1Agecent48	-.0031546	.0011899	-2.65	0.008	-.0054871	-.0008222
timew1w3	0 (omitted)					
Sex						
Men	-.3429963	.0974881	-3.52	0.000	-.5340695	-.151923

Sex#c.timew1w3						
Men	.0249003	.0223838	1.11	0.266	-.0189718	.0687725
timew1w3	0 (omitted)					
Race						
AfrAm	-.2208589	.0969239	-2.28	0.023	-.4108354	-.0308824
Race#c.timew1w3						
AfrAm	-.0199851	.0224746	-0.89	0.374	-.0640361	.0240658
timew1w3	0 (omitted)					
PovStat						
Below	-.0632238	.0992123	-0.64	0.524	-.2576765	.1312289
PovStat#c.timew1w3						
Below	-.0288448	.0223883	-1.29	0.198	-.0727251	.0150354
timew1w3	0 (omitted)					
w1edubr						
2	.5135862	.1984948	2.59	0.010	.1244894	.9026829
3	.7055332	.2166384	3.26	0.001	.2807962	1.13027
w1edubr#c.timew1w3						
2	-.0635099	.046013	-1.38	0.168	-.1537088	.026689
3	-.0645121	.0499798	-1.29	0.197	-.1625126	.0334884
timew1w3	0 (omitted)					
w1WRATtotalcent42						
	.1462687	.0067665	21.62	0.000	.1330054	.159532
c.timew1w3#c.w1WRATtotalcent42						
	-.0078595	.0016886	-4.65	0.000	-.0111699	-.0045491
timew1w3	0 (omitted)					
1.w1smoke						
	.036007	.105284	0.34	0.732	-.1705786	.2425926
w1smoke#c.timew1w3						
1	-.0535048	.0241692	-2.21	0.027	-.1008762	-.0061334
timew1w3	0 (omitted)					
1.w1currdrugs						
	-.0992039	.1345113	-0.74	0.462	-.3649776	.1665698
w1currdrugs#c.timew1w3						
1	.0186028	.0295787	0.63	0.530	-.0394669	.0766725
timew1w3	0 (omitted)					
w1hei2010_total_scorecent43						
	-.0040938	.004803	-0.85	0.398	-.0137152	.0055277
c.timew1w3#c.w1hei2010_total_scorecent43						
	.0005506	.0011783	0.47	0.642	-.001812	.0029132
timew1w3	0 (omitted)					
w1BMIcon30						
	-.0058268	.0063981	-0.91	0.362	-.0183672	.0067136
c.timew1w3#c.w1BMIcon30						
	-.0002563	.0014411	-0.18	0.859	-.0030809	.0025682
timew1w3	0 (omitted)					
invmillsmms						
	.0077949	.0029765	2.62	0.009	.001961	.0136287
c.timew1w3#c.invmillsmms						
	-.0018807	.0006167	-3.05	0.002	-.0030896	-.0006719
timew1w3	0 (omitted)					
w1HCYcenter2p15						
	-.0246169	.2009767	-0.12	0.903	-.4185269	.3692931

c.timew1w3#c.w1HCYcenter2p15		.0124018	.0461309	0.27	0.788	-.0780141	.1028176
Sex#c.w1HCYcenter2p15	Men	.0411478	.2890409	0.14	0.887	-.5253621	.6076577
Sex#c.timew1w3#c.w1HCYcenter2p15	Men	-.040474	.0675683	-0.60	0.549	-.1729058	.0919578
_cons		27.45622	.2064984	132.96	0.000	27.05144	27.861

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.0939513	.	.
sd(_cons)	1.204965	.	.
corr(timew1w3,_cons)	-1	.	.
sd(Residual)	1.184256	.	.

377 .  
 378 .  
 379 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,653

Group variable: HNDID

Number of groups	=	1,430
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 29,73899.5)	=	32.39
Prob > F	=	0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.3943288	.3915084	1.01	0.314	-.3730991 1.161757
w1Agecent48	-.1501361	.0395851	-3.79	0.000	-.2277295 -.0725428
c.timew1w3#c.w1Agecent48	-.0249936	.0096605	-2.59	0.010	-.0439303 -.0060569
timew1w3	0	(omitted)			
Sex					
Men	-2.010321	.7401323	-2.72	0.007	-3.460954 -.5596872
Sex#c.timew1w3					
Men	.1280526	.1818576	0.70	0.481	-.2283909 .4844961
timew1w3	0	(omitted)			

Race						
AfrAm	<b>-3.363071</b>	.734427	-4.58	0.000	-4.802556	-1.923587
Race#c.timew1w3						
AfrAm	<b>.0130286</b>	.1823643	0.07	0.943	-.3444056	.3704628
timew1w3	0	(omitted)				
PovStat						
Below	<b>-.6454147</b>	.7538526	-0.86	0.392	-2.122943	.8321135
PovStat#c.timew1w3						
Below	<b>-.2665271</b>	.1817253	-1.47	0.142	-.6227032	.089649
timew1w3	0	(omitted)				
w1edubr						
2	<b>3.912666</b>	1.501093	2.61	0.009	.9704344	6.854897
3	<b>6.121219</b>	1.638568	3.74	0.000	2.90914	9.333298
w1edubr#c.timew1w3						
2	<b>-.5117072</b>	.3726565	-1.37	0.170	-1.242151	.2187369
3	<b>-.4154278</b>	.4040029	-1.03	0.304	-1.207441	.3765852
timew1w3	0	(omitted)				
w1WRATtotalcent42						
	<b>.9597764</b>	.0513142	18.70	0.000	.8591968	1.060356
c.timew1w3#c.w1WRATtotalcent42						
	<b>-.0334548</b>	.0138053	-2.42	0.015	-.0605203	-.0063893
timew1w3	0	(omitted)				
1.w1smoke						
	<b>-.3612267</b>	.7975947	-0.45	0.651	-1.925746	1.203293
w1smoke#c.timew1w3						
1	<b>-.2981719</b>	.1955282	-1.52	0.127	-.6814001	.0850564
timew1w3	0	(omitted)				
1.w1currdrugs						
	<b>-.1360715</b>	1.005967	-0.14	0.893	-2.118398	1.846255
w1currdrugs#c.timew1w3						
1	<b>.0751161</b>	.2444095	0.31	0.759	-.4056538	.5558861
timew1w3	0	(omitted)				
w1hei2010_total_scorecent43						
	<b>-.0188163</b>	.0356411	-0.53	0.599	-.0897397	.052107
c.timew1w3#c.w1hei2010_total_scorecent43						
	<b>.0054284</b>	.0097556	0.56	0.581	-.0142298	.0250867
timew1w3	0	(omitted)				
w1BMICent30						
	<b>-.0482302</b>	.0483313	-1.00	0.318	-.1429579	.0464975
c.timew1w3#c.w1BMICent30						
	<b>-.0024768</b>	.0117053	-0.21	0.832	-.0254197	.0204661
timew1w3	0	(omitted)				
invmillsmms						
	<b>.0436785</b>	.0226118	1.93	0.053	-.0006398	.0879967
c.timew1w3#c.invmillsmms						
	<b>-.0100973</b>	.0049707	-2.03	0.042	-.0198397	-.0003549
timew1w3	0	(omitted)				
w1HCYcenter2p15						
	<b>-.569006</b>	1.525949	-0.37	0.709	-3.559833	2.421821
c.timew1w3#c.w1HCYcenter2p15						
	<b>.1108897</b>	.3745936	0.30	0.767	-.6233099	.8450893
Sex#c.w1HCYcenter2p15						

	Men	<b>2.22443</b>	<b>2.194761</b>	<b>1.01</b>	<b>0.311</b>	<b>-2.077224</b>	<b>6.526085</b>
Sex#c.timew1w3#c.w1HCYcenter2p15	Men	<b>-.2895425</b>	<b>.5497095</b>	<b>-0.53</b>	<b>0.598</b>	<b>-1.366958</b>	<b>.7878727</b>
	_cons	<b>75.12093</b>	<b>1.567604</b>	<b>47.92</b>	<b>0.000</b>	<b>72.04815</b>	<b>78.1937</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.3878168</b>	.	.
sd(_cons)	<b>8.277358</b>	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.
sd(Residual)	<b>9.811189</b>	.	.

380 .

381 .

382 .

383 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4bobs==1 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,464

Group variable: HNDID

Number of groups	=	1,420
Obs per group:		
min	=	1
avg	=	1.7
max	=	2

DF adjustment: Large sample

Average RVI	=	0.0381
Largest FMI	=	0.3923
DF:	min	= 31.72
	avg	= 1125629.32
	max	= 9963544.59

Model F test: Equal FMI

F( 29,64647.9)	=	53.87
Prob > F	=	0.0000

cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-1.139096</b>	<b>.1539705</b>	<b>-7.40</b>	<b>0.000</b>	<b>-1.44088</b> <b>-.8373114</b>
w1Agecent48	<b>-.1582926</b>	<b>.0189063</b>	<b>-8.37</b>	<b>0.000</b>	<b>-.1953494</b> <b>-.1212358</b>
c.timew1w3#c.w1Agecent48	<b>-.0059217</b>	<b>.0040819</b>	<b>-1.45</b>	<b>0.147</b>	<b>-.0139223</b> <b>.0020788</b>
timew1w3	<b>0</b>	(omitted)			
Sex					
Men	<b>-2.261202</b>	<b>.3561129</b>	<b>-6.35</b>	<b>0.000</b>	<b>-2.959171</b> <b>-1.563233</b>
Sex#c.timew1w3					
Men	<b>-.1735362</b>	<b>.077208</b>	<b>-2.25</b>	<b>0.025</b>	<b>-.3248614</b> <b>-.0222111</b>
timew1w3	<b>0</b>	(omitted)			
Race					
AfrAm	<b>-1.92279</b>	<b>.3545547</b>	<b>-5.42</b>	<b>0.000</b>	<b>-2.617769</b> <b>-1.227811</b>

Race#c.timew1w3						
AfrAm	.0863194	.0772564	1.12	0.264	-.0651296	.2377683
timew1w3	0 (omitted)					
PovStat Below	-.3520746	.36004	-0.98	0.328	-1.057752	.3536023
PovStat#c.timew1w3						
Below	-.053096	.0760566	-0.70	0.485	-.2021663	.0959742
timew1w3	0 (omitted)					
w1edubr						
2	-.3203326	.7059319	-0.45	0.650	-1.704712	1.064047
3	1.911437	.7679324	2.49	0.013	.4056338	3.41724
w1edubr#c.timew1w3						
2	.0874959	.14494	0.60	0.546	-.196607	.3715987
3	-.0553985	.1593155	-0.35	0.728	-.3676641	.2568672
timew1w3	0 (omitted)					
w1WRATtotalcent42	.2377912	.0242301	9.81	0.000	.1902999	.2852824
c.timew1w3#c.w1WRATtotalcent42						
timew1w3	0 (omitted)					
1.w1smoke	-.0883353	.3834189	-0.23	0.818	-.8431774	.6665069
w1smoke#c.timew1w3						
1	-.0346158	.0883909	-0.39	0.696	-.2090031	.1397715
timew1w3	0 (omitted)					
1.w1currdrugs	-.6917514	.4421206	-1.56	0.118	-1.558656	.1751536
w1currdrugs#c.timew1w3						
1	.1101619	.0988876	1.11	0.266	-.0838597	.3041836
timew1w3	0 (omitted)					
w1hei2010_total_scorecent43	.0271968	.0183593	1.48	0.148	-.010213	.0646065
c.timew1w3#c.w1hei2010_total_scorecent43						
timew1w3	0 (omitted)					
w1BMIconcept30	.0035998	.0231513	0.16	0.876	-.0417774	.048977
c.timew1w3#c.w1BMIconcept30						
timew1w3	0 (omitted)					
invmillsmms	.0161504	.010385	1.56	0.120	-.0042039	.0365047
c.timew1w3#c.invmillsmms						
timew1w3	0 (omitted)					
w1HCYcenter2p15	1.085088	.7184757	1.51	0.131	-.3230989	2.493276
c.timew1w3#c.w1HCYcenter2p15						
Sex#c.w1HCYcenter2p15						
Men	.1614326	1.048003	0.15	0.878	-1.892615	2.21548
Sex#c.timew1w3#c.w1HCYcenter2p15						

	Men	<b>- .1641657</b>	<b>.2268094</b>	<b>-0.72</b>	<b>0.469</b>	<b>- .6087041</b>	<b>.2803727</b>
	_cons	<b>26.47408</b>	<b>.7337661</b>	<b>36.08</b>	<b>0.000</b>	<b>25.03571</b>	<b>27.91245</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.3510834</b>	<b>.1021969</b>	<b>.1984358</b>	<b>.6211558</b>
sd(_cons)	<b>4.416153</b>	<b>.130224</b>	<b>4.168154</b>	<b>4.678908</b>
sd(Residual)	<b>3.680104</b>	<b>.1309512</b>	<b>3.432188</b>	<b>3.945928</b>

384 .  
 385 .  
 386 .  
 387 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4cobs==1 || HNDID:  
 Multiple-imputation estimates  
 Mixed-effects ML regression  
 Group variable: HNDID  
 DF adjustment: Large sample  
 Model F test: Equal FMI  
 Imputations = 5  
 Number of obs = 2,339  
 Number of groups = 1,391  
 Obs per group:  
 min = 1  
 avg = 1.7  
 max = 2  
 Average RVI = 0.0703  
 Largest FMI = 0.3010  
 DF: min = 52.88  
 avg = 457,013.53  
 max = 6559834.10  
 F( 29, 21105.6) = 33.46  
 Prob > F = 0.0000

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>- .3341692</b>	<b>.0742259</b>	<b>-4.50</b>	<b>0.000</b>	<b>-.4796537</b> <b>-.1886847</b>
w1Agecent48	<b>- .0839817</b>	<b>.0091029</b>	<b>-9.23</b>	<b>0.000</b>	<b>-.1018233</b> <b>-.0661401</b>
c.timew1w3#c.w1Agecent48	<b>- .0034702</b>	<b>.0020168</b>	<b>-1.72</b>	<b>0.085</b>	<b>-.0074233</b> <b>.000483</b>
timew1w3	0 (omitted)				
Sex					
Men	<b>-.981338</b>	<b>.1714969</b>	<b>-5.72</b>	<b>0.000</b>	<b>-1.317467</b> <b>-.6452096</b>
Sex#c.timew1w3					
Men	<b>-.0533566</b>	<b>.0375216</b>	<b>-1.42</b>	<b>0.155</b>	<b>-.1268984</b> <b>.0201852</b>
timew1w3	0 (omitted)				
Race					
AfrAm	<b>-1.191423</b>	<b>.1702302</b>	<b>-7.00</b>	<b>0.000</b>	<b>-1.52511</b> <b>-.8577367</b>
Race#c.timew1w3					
AfrAm	<b>.0192261</b>	<b>.0373642</b>	<b>0.51</b>	<b>0.607</b>	<b>-.0540115</b> <b>.0924636</b>

	timew1w3	0	(omitted)				
PovStat Below		-.0459801	.1739628	-0.26	0.792	-.386968	.2950078
PovStat#c.timew1w3 Below		-.0374467	.0369173	-1.01	0.310	-.1098043	.0349108
timew1w3		0	(omitted)				
w1edubr 2		-.1314234	.3394809	-0.39	0.699	-.7970155	.5341687
3		.6076955	.3681776	1.65	0.099	-.114007	1.329398
w1edubr#c.timew1w3 2		-.0055573	.0699211	-0.08	0.937	-.1426156	.131501
3		-.0004988	.0770222	-0.01	0.995	-.151466	.1504684
timew1w3		0	(omitted)				
w1WRATTtotalcent42		.0994566	.0117701	8.45	0.000	.0763845	.1225286
c.timew1w3#c.w1WRATTtotalcent42		-.0036748	.0025003	-1.47	0.142	-.0085752	.0012257
timew1w3 1.w1smoke		0	(omitted)				
		-.0253915	.1978006	-0.13	0.898	-.4189635	.3681805
w1smoke#c.timew1w3 1		-.0232294	.0459003	-0.51	0.615	-.1148923	.0684336
timew1w3 1.w1currdrugs		0	(omitted)				
		-.2905602	.2293532	-1.27	0.207	-.7433192	.1621988
w1currdrugs#c.timew1w3 1		-.0207446	.0516669	-0.40	0.689	-.1231115	.0816223
timew1w3		0	(omitted)				
w1hei2010_total_scorecent43		.0079219	.0084713	0.94	0.354	-.0090704	.0249142
c.timew1w3#c.w1hei2010_total_scorecent43		-.000134	.0019877	-0.07	0.946	-.0040999	.003832
timew1w3 w1BMIcon30		0	(omitted)				
		.0228264	.0111727	2.04	0.041	.000927	.0447259
c.timew1w3#c.w1BMIcon30		-.0024082	.0024161	-1.00	0.319	-.0071441	.0023277
timew1w3 invmillsmms		0	(omitted)				
		.0073455	.0049382	1.49	0.137	-.0023333	.0170242
c.timew1w3#c.invmillsmms		-.000437	.0009431	-0.46	0.643	-.0022854	.0014115
timew1w3 w1HCYcenter2p15		0	(omitted)				
		.5865927	.345603	1.70	0.090	-.0907812	1.263967
c.timew1w3#c.w1HCYcenter2p15		-.0220358	.0771162	-0.29	0.775	-.1731818	.1291101
Sex#c.w1HCYcenter2p15 Men		-.1125528	.5057287	-0.22	0.824	-1.103763	.8786577
Sex#c.timew1w3#c.w1HCYcenter2p15 Men		.034768	.1103669	0.32	0.753	-.1815477	.2510838
_cons		8.351532	.3543135	23.57	0.000	7.656997	9.046068

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity sd(_cons)	<b>2.014784</b>	<b>.0633578</b>	<b>1.894353</b>	<b>2.14287</b>
sd(Residual)	<b>1.825119</b>	<b>.0422386</b>	<b>1.744182</b>	<b>1.909812</b>

388 .  
 389 .  
 390 .  
 391 . mi estimate: mixed BVRTot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4dobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: **HNDID**

DF adjustment: **Large sample**

Model F test: **Equal FMI**

	Imputations = 5
	Number of obs = 2,751
	Number of groups = 1,443
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
	Average RVI = 0.0356
	Largest FMI = 0.2824
DF:	min = 59.76
	avg = 1041218.44
	max = 1.42e+07
F( 29, 69824.4)	= 29.30
Prob > F	= 0.0000

BVRTot	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3 w1Agecent48	<b>.3923566</b> <b>.1229907</b>	<b>.1124161</b> <b>.0136284</b>	<b>3.49</b> <b>9.02</b>	<b>0.000</b> <b>0.000</b>	<b>.1720224</b> <b>.096278</b>	<b>.6126907</b> <b>.1497033</b>
c.timew1w3##c.w1Agecent48	<b>.0078309</b>	<b>.0028991</b>	<b>2.70</b>	<b>0.007</b>	<b>.0021485</b>	<b>.0135133</b>
timew1w3	<b>0</b>	(omitted)				
Sex Men	<b>-1.092399</b>	<b>.2559942</b>	<b>-4.27</b>	<b>0.000</b>	<b>-1.594141</b>	<b>-.5906563</b>
Sex##c.timew1w3 Men	<b>.0533441</b>	<b>.0539671</b>	<b>0.99</b>	<b>0.323</b>	<b>-.05243</b>	<b>.1591181</b>
timew1w3	<b>0</b>	(omitted)				
Race AfrAm	<b>.520487</b>	<b>.2517266</b>	<b>2.07</b>	<b>0.039</b>	<b>.02711</b>	<b>1.013864</b>
Race##c.timew1w3 AfrAm	<b>.136565</b>	<b>.0537359</b>	<b>2.54</b>	<b>0.011</b>	<b>.031243</b>	<b>.241887</b>
timew1w3	<b>0</b>	(omitted)				
PovStat Below	<b>.3494436</b>	<b>.2604809</b>	<b>1.34</b>	<b>0.180</b>	<b>-.1610943</b>	<b>.8599815</b>

PovStat#c.timew1w3						
Below	.0562633	.0542971	1.04	0.300	-.0501571	.1626837
timew1w3	0 (omitted)					
w1edubr						
2	-.7005343	.5167329	-1.36	0.175	-1.713473	.3124039
3	-1.603948	.565061	-2.84	0.005	-2.711832	-.4960637
w1edubr#c.timew1w3						
2	-.1450409	.1070886	-1.35	0.176	-.3549352	.0648534
3	-.1203652	.1166741	-1.03	0.302	-.3490449	.1083145
timew1w3	0 (omitted)					
w1WRATtotalcent42	-.1587498	.0177752	-8.93	0.000	-.1935994	-.1239002
c.timew1w3#c.w1WRATtotalcent42	-.0038662	.0037115	-1.04	0.298	-.0111407	.0034083
timew1w3	0 (omitted)					
1.w1smoke	.3801897	.2772705	1.37	0.171	-.165032	.9254113
w1smoke#c.timew1w3						
1	-.0348648	.058947	-0.59	0.554	-.1504104	.0806808
timew1w3	0 (omitted)					
1.w1currdrugs	-.1695984	.3712813	-0.46	0.649	-.912334	.5731373
w1currdrugs#c.timew1w3						
1	.1109321	.0722867	1.53	0.125	-.0309356	.2527998
timew1w3	0 (omitted)					
w1hei2010_total_scorecent43	-.0065222	.0114301	-0.57	0.569	-.0291654	.016121
c.timew1w3#c.w1hei2010_total_scorecent43	-.0035455	.0027178	-1.30	0.195	-.008934	.001843
timew1w3	0 (omitted)					
w1BMIcon30	.0081718	.0166901	0.49	0.624	-.0245411	.0408847
c.timew1w3#c.w1BMIcon30	-.0044593	.0035328	-1.26	0.207	-.0113836	.0024649
timew1w3	0 (omitted)					
invmillsmms	-.0156993	.0078256	-2.01	0.045	-.0310372	-.0003613
c.timew1w3#c.invmillsmms	-3.78e-06	.0015447	-0.00	0.998	-.0030312	.0030237
timew1w3	0 (omitted)					
w1HCYcenter2p15	.3880726	.5227994	0.74	0.458	-.6365977	1.412743
c.timew1w3#c.w1HCYcenter2p15	-.034766	.1110973	-0.31	0.754	-.2525132	.1829813
Sex#c.w1HCYcenter2p15						
Men	-.7711431	.7556178	-1.02	0.307	-2.252127	.7098408
Sex#c.timew1w3#c.w1HCYcenter2p15						
Men	.3278395	.1596145	2.05	0.040	.0149993	.6406798
_cons	7.461312	.539948	13.82	0.000	6.402796	8.519828

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.6655222	.059501	.558545	.7929887
sd(_cons)	3.961231	.1353844	3.704571	4.235672
corr(timew1w3,_cons)	-.4722318	.033915	-.5359734	-.4031368
sd(Residual)	1.950788	.200687	1.59456	2.386598

392 .  
 393 .  
 394 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4eobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,486

Group variable: **HNDID**

Number of groups	=	1,418
Obs per group:		
min	=	1
avg	=	1.8
max	=	2
Average RVI	=	0.0201
Largest FMI	=	0.2038

DF adjustment: Large sample

DF:	min	=	111.27
	avg	=	9.04e+07
	max	=	3.03e+09

Model F test: Equal FMI

F( 29, 207783.7)	=	13.85
Prob > F	=	0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3 w1Agecent48	-.0289911 -.0154491	.0575025 .006396	-0.50 -2.42	0.614 0.016	-.1416993 -.0279851	.0837171 -.002913
c.timew1w3#c.w1Agecent48	-.0027146	.001458	-1.86	0.063	-.0055722	.000143
timew1w3	0	(omitted)				
Sex Men	-.2525639	.1216601	-2.08	0.038	-.4910135	-.0141143
Sex#c.timew1w3 Men	-.0064834	.0275149	-0.24	0.814	-.0604116	.0474448
timew1w3	0	(omitted)				
Race AfrAm	-.6631967	.1198874	-5.53	0.000	-.8981721	-.4282213
Race#c.timew1w3 AfrAm	.0399388	.0273624	1.46	0.144	-.0136907	.0935682
timew1w3	0	(omitted)				
PovStat Below	-.1582148	.1228187	-1.29	0.198	-.3989355	.0825059

PovStat#c.timew1w3						
Below	-.0426979	.0274778	-1.55	0.120	-.0965536	.0111578
timew1w3	0	(omitted)				
w1edubr						
2	.3872792	.2451896	1.58	0.114	-.0932997	.867858
3	.5592917	.2663642	2.10	0.036	.0371862	1.081397
w1edubr#c.timew1w3						
2	-.0128528	.05487	-0.23	0.815	-.120405	.0946993
3	-.0365908	.0594148	-0.62	0.538	-.1530452	.0798636
timew1w3	0	(omitted)				
w1WRATtotalcent42	.0725216	.008371	8.66	0.000	.0561144	.0889288
c.timew1w3#c.w1WRATtotalcent42						
timew1w3	0	(omitted)				
1.w1smoke	-.1626739	.1361975	-1.19	0.234	-.4314628	.106115
w1smoke#c.timew1w3						
1	-.0242331	.0300096	-0.81	0.419	-.0830652	.0345991
timew1w3	0	(omitted)				
1.w1currdrugs	.2857377	.1525322	1.87	0.061	-.0132903	.5847656
w1currdrugs#c.timew1w3						
1	-.0270799	.0351624	-0.77	0.441	-.0959985	.0418388
timew1w3	0	(omitted)				
w1hei2010_total_scorecent43	-.0038825	.005605	-0.69	0.490	-.0149889	.0072239
c.timew1w3#c.w1hei2010_total_scorecent43						
timew1w3	0	(omitted)				
w1BMICent30	-.0220842	.0080086	-2.76	0.006	-.0377818	-.0063866
c.timew1w3#c.w1BMICent30						
timew1w3	0	(omitted)				
invmillsmms	.0020468	.0035462	0.58	0.564	-.0049037	.0089972
c.timew1w3#c.invmillsmms						
timew1w3	0	(omitted)				
w1HCYcenter2p15	.1252116	.2623013	0.48	0.633	-.3888915	.6393147
c.timew1w3#c.w1HCYcenter2p15						
Sex#c.w1HCYcenter2p15						
Men	-.4629643	.3680476	-1.26	0.208	-1.184325	.2583966
Sex#c.timew1w3#c.w1HCYcenter2p15						
Men	-.0005134	.0840008	-0.01	0.995	-.1651522	.1641255
_cons	6.859284	.2550632	26.89	0.000	6.359361	7.359208

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.137344	.0834525	.041745	.4518709
sd(_cons)	1.439999	.1059563	1.246608	1.663391
corr(timew1w3,_cons)	-.1292228	.2203587	-.5147565	.2997827
sd(Residual)	1.34122	.0980565	1.162168	1.547859

395 .  
396 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
> c.timew1w3##c.w1HCYcenter2p15##Sex ///  
> if sample4fobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Group variable: **HNDID**

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
Number of obs = 2,773

Number of groups = 1,446  
Obs per group:

min = 1  
avg = 1.9  
max = 2

Average RVI = 0.0511  
Largest FMI = 0.2754  
DF: min = 62.69  
avg = 6082649.17  
max = 1.88e+08

F( 29, 34461.7) = 12.96  
Prob > F = 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	-.0034526	.1156505	-0.03	0.976	-.2302232	.2233179
w1Agecent48	-.0788734	.0151222	-5.22	0.000	-.1085139	-.0492329
c.timew1w3#c.w1Agecent48	-.0025003	.0029437	-0.85	0.396	-.0082699	.0032693
timew1w3	0 (omitted)					
Sex						
Men	1.251015	.2837294	4.41	0.000	.6949148	1.807116
Sex#c.timew1w3						
Men	-.0081832	.0552357	-0.15	0.882	-.1164435	.1000771
timew1w3	0 (omitted)					
Race						
AfrAm	-1.328757	.2808674	-4.73	0.000	-1.879251	-.778264
Race#c.timew1w3						
AfrAm	-.0279122	.0552435	-0.51	0.613	-.1361913	.0803669
timew1w3	0 (omitted)					
PovStat						
Below	-.4816652	.2904255	-1.66	0.097	-1.050909	.0875786
PovStat#c.timew1w3						

	Below	.0083787	.0554762	0.15	0.880	-.1003539	.1171113
	timew1w3	0 (omitted)					
	w1edubr						
	2	-.3724027	.5722831	-0.65	0.515	-1.494113	.7493077
	3	.9055001	.62088	1.46	0.145	-.3114535	2.122454
	w1edubr#c.timew1w3						
	2	.0902068	.1105282	0.82	0.415	-.1266002	.3070138
	3	.0512913	.1213511	0.42	0.673	-.1867658	.2893484
	timew1w3	0 (omitted)					
	w1WRATtotalcent42	.163157	.0193295	8.44	0.000	.1252717	.2010423
	c.timew1w3#c.w1WRATtotalcent42	.0021743	.0037689	0.58	0.564	-.0052129	.0095614
	timew1w3	0 (omitted)					
	1.w1smoke	-.4985717	.3304672	-1.51	0.136	-1.159021	.1618779
	w1smoke#c.timew1w3						
	1	.0284513	.0621666	0.46	0.647	-.0936342	.1505368
	timew1w3	0 (omitted)					
	1.w1currdrugs	.3215198	.3811251	0.84	0.400	-.4325737	1.075613
	w1currdrugs#c.timew1w3						
	1	-.0239653	.0718176	-0.33	0.739	-.1647951	.1168645
	timew1w3	0 (omitted)					
	w1hei2010_total_scorecent43	.0274811	.0128668	2.14	0.036	.0017918	.0531703
	c.timew1w3#c.w1hei2010_total_scorecent43	-.002994	.0025406	-1.18	0.239	-.0079749	.001987
	timew1w3	0 (omitted)					
	w1BMIcon30	.0210528	.0188442	1.12	0.264	-.0158996	.0580051
	c.timew1w3#c.w1BMIcon30	.0021762	.0035928	0.61	0.545	-.0048659	.0092182
	timew1w3	0 (omitted)					
	invmillsmms	.0086207	.0088578	0.97	0.330	-.0087403	.0259816
	c.timew1w3#c.invmillsmms						
		-.0013642	.0015837	-0.86	0.389	-.0044683	.0017399
	timew1w3	0 (omitted)					
	w1HCYcenter2p15	-.7444385	.5818966	-1.28	0.201	-1.884945	.3960677
	c.timew1w3#c.w1HCYcenter2p15	.071232	.1148467	0.62	0.535	-.1538639	.2963278
	Sex#c.w1HCYcenter2p15						
	Men	1.564617	.836673	1.87	0.061	-.0752345	3.204469
	Sex#c.timew1w3#c.w1HCYcenter2p15						
	Men	-.2278388	.1623569	-1.40	0.161	-.5460525	.0903749
	_cons	19.2609	.6012421	32.04	0.000	18.08215	20.43965

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.2598403	.1741713	.0698451	.966667
sd(_cons)	3.961735	.1678989	3.645954	4.304866
corr(timew1w3,_cons)	-.1589521	.1450017	-.4234416	.1305067
sd(Residual)	2.922246	.1737592	2.600773	3.283455

397 .  
398 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
> c.timew1w3##c.w1HCYcenter2p15##Sex ///  
> if sample4gobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,717

Group variable: **HNDID**

Number of groups	=	1,443
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 29,19895.9)	=	16.97
Prob > F	=	0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0384335	.0450481	0.85	0.394	-.0498611	.126728
w1Agecent48	-.0086755	.0058136	-1.49	0.136	-.0200702	.0027192
c.timew1w3#c.w1Agecent48	-.0031174	.0011621	-2.68	0.007	-.0053951	-.0008396
timew1w3	0	(omitted)				
Sex						
Men	.2074267	.1098184	1.89	0.059	-.0078167	.4226701
Sex#c.timew1w3						
Men	-.0375164	.0218281	-1.72	0.086	-.0802989	.0052661
timew1w3	0	(omitted)				
Race						
AfrAm	-.2726206	.109068	-2.50	0.012	-.4864295	-.0588118
Race#c.timew1w3						
AfrAm	-.0137696	.0216905	-0.63	0.526	-.0562825	.0287432
timew1w3	0	(omitted)				
PovStat						
Below	-.1109103	.1118892	-0.99	0.322	-.3302304	.1084098
PovStat#c.timew1w3						

	Below	<b>- .0227929</b>	.0218455	<b>-1.04</b>	0.297	<b>-.0656101</b>	.0200244
	timew1w3	<b>0</b>	(omitted)				
	w1edubr						
	2	<b>-.0992852</b>	.2211931	<b>-0.45</b>	0.654	<b>-.5328271</b>	.3342567
	3	<b>.1921579</b>	.2401524	<b>0.80</b>	0.424	<b>-.2785623</b>	.662878
	w1edubr#c.timew1w3						
	2	<b>-.0005993</b>	.0424581	<b>-0.01</b>	0.989	<b>-.0838159</b>	.0826174
	3	<b>-.0204309</b>	.0465947	<b>-0.44</b>	0.661	<b>-.1117574</b>	.0708956
	timew1w3	<b>0</b>	(omitted)				
	w1WRATtotalcent42	<b>.1130967</b>	.0075104	<b>15.06</b>	0.000	<b>.0983755</b>	.1278179
	c.timew1w3#c.w1WRATtotalcent42	<b>.0002598</b>	.0014919	<b>0.17</b>	0.862	<b>-.0026643</b>	.003184
	timew1w3	<b>0</b>	(omitted)				
	1.w1smoke	<b>.1697015</b>	.1216594	<b>1.39</b>	0.166	<b>-.0711324</b>	.4105353
	w1smoke#c.timew1w3						
	1	<b>-.01461</b>	.0244246	<b>-0.60</b>	0.550	<b>-.0625605</b>	.0333404
	timew1w3	<b>0</b>	(omitted)				
	1.w1currdrugs	<b>.3983607</b>	.176954	<b>2.25</b>	0.035	<b>.0306815</b>	.7660399
	w1currdrugs#c.timew1w3						
	1	<b>-.0083654</b>	.0296506	<b>-0.28</b>	0.778	<b>-.0666925</b>	.0499616
	timew1w3	<b>0</b>	(omitted)				
	w1hei2010_total_scorecent43	<b>.0022958</b>	.00471	<b>0.49</b>	0.627	<b>-.0069975</b>	.011589
	c.timew1w3#c.w1hei2010_total_scorecent43	<b>-.0000264</b>	.0010932	<b>-0.02</b>	0.981	<b>-.0021911</b>	.0021382
	timew1w3	<b>0</b>	(omitted)				
	w1BMIcon30	<b>-.0114505</b>	.0073308	<b>-1.56</b>	0.119	<b>-.0258329</b>	.0029319
	c.timew1w3#c.w1BMIcon30	<b>-.0013132</b>	.001424	<b>-0.92</b>	0.356	<b>-.0041045</b>	.0014781
	timew1w3	<b>0</b>	(omitted)				
	invmillsmms	<b>.005835</b>	.0033973	<b>1.72</b>	0.086	<b>-.0008235</b>	.0124936
	c.timew1w3#c.invmillsmms						
		<b>-.000566</b>	.0006153	<b>-0.92</b>	0.358	<b>-.001772</b>	.0006399
	timew1w3	<b>0</b>	(omitted)				
	w1HCYcenter2p15	<b>-.0023627</b>	.2264675	<b>-0.01</b>	0.992	<b>-.446237</b>	.4415116
	c.timew1w3#c.w1HCYcenter2p15	<b>-.0455194</b>	.046226	<b>-0.98</b>	0.325	<b>-.1361213</b>	.0450825
	Sex#c.w1HCYcenter2p15						
	Men	<b>-.0993041</b>	.3254928	<b>-0.31</b>	0.760	<b>-.7372595</b>	.5386512
	Sex#c.timew1w3#c.w1HCYcenter2p15						
	Men	<b>.0441194</b>	.0656671	<b>0.67</b>	0.502	<b>-.0845866</b>	.1728255
	_cons	<b>7.196549</b>	.2310597	<b>31.15</b>	0.000	<b>6.743658</b>	<b>7.64944</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.017745	.	.
sd(_cons)	1.476481	.	.
corr(timew1w3,_cons)	.9999991	.	.
sd(Residual)	1.192088	.	.

399 .  
400 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
> c.timew1w3##c.w1HCYcenter2p15##Sex ///  
> if sample4hobs==1 || HNDID: timew1w3

Multiple-imputation estimates  
Mixed-effects ML regression

	Imputations =	5
Number of obs	=	2,704
Group variable: HNDID	Number of groups =	1,444
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
DF adjustment: Large sample	Average RVI =	.
	Largest FMI =	.
	DF: min =	0.00
	avg =	.
	max =	.
Model F test: Equal FMI	F( 29, 36774.2) =	24.04
	Prob > F =	0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0271496	.0470531	-0.58	0.564	-.1193851 .0650859
w1Agecent48	-.0168579	.0056544	-2.98	0.003	-.0279417 -.0057742
c.timew1w3#c.w1Agecent48	-.0009462	.0012018	-0.79	0.431	-.0033018 .0014093
timew1w3	0 (omitted)				
Sex					
Men	-.0203219	.1062004	-0.19	0.848	-.2284735 .1878298
Sex#c.timew1w3					
Men	-.0263239	.0226377	-1.16	0.245	-.0706933 .0180454
timew1w3	0 (omitted)				
Race					
AfrAm	-.5374793	.1044548	-5.15	0.000	-.7422096 -.3327491
Race#c.timew1w3					
AfrAm	-.0241564	.0225071	-1.07	0.283	-.0682704 .0199575
timew1w3	0 (omitted)				
PovStat					
Below	-.1222755	.1080131	-1.13	0.258	-.3339884 .0894374
PovStat#c.timew1w3					

	Below	<b>- .001655</b>	<b>.0225885</b>	<b>-0.07</b>	<b>0.942</b>	<b>- .0459277</b>	<b>.0426178</b>
	timew1w3	<b>0</b>	(omitted)				
	w1edubr						
	2	<b>-.2175367</b>	<b>.2138455</b>	<b>-1.02</b>	<b>0.309</b>	<b>-.636674</b>	<b>.2016006</b>
	3	<b>.136752</b>	<b>.2324933</b>	<b>0.59</b>	<b>0.556</b>	<b>-.3189453</b>	<b>.5924492</b>
	w1edubr#c.timew1w3						
	2	<b>.0551424</b>	<b>.0440349</b>	<b>1.25</b>	<b>0.210</b>	<b>-.0311649</b>	<b>.1414497</b>
	3	<b>.0256712</b>	<b>.0482221</b>	<b>0.53</b>	<b>0.594</b>	<b>-.0688431</b>	<b>.1201855</b>
	timew1w3	<b>0</b>	(omitted)				
	w1WRATtotalcent42	<b>.1238162</b>	<b>.0072537</b>	<b>17.07</b>	<b>0.000</b>	<b>.1095991</b>	<b>.1380333</b>
	c.timew1w3#c.w1WRATtotalcent42	<b>-.0018195</b>	<b>.0015544</b>	<b>-1.17</b>	<b>0.242</b>	<b>-.0048662</b>	<b>.0012272</b>
	timew1w3	<b>0</b>	(omitted)				
	1.w1smoke	<b>-.032498</b>	<b>.1228716</b>	<b>-0.26</b>	<b>0.792</b>	<b>-.2769327</b>	<b>.2119367</b>
	w1smoke#c.timew1w3						
	1	<b>.0011987</b>	<b>.0276873</b>	<b>0.04</b>	<b>0.966</b>	<b>-.0539228</b>	<b>.0563201</b>
	timew1w3	<b>0</b>	(omitted)				
	1.w1currdrugs	<b>.0883502</b>	<b>.1427363</b>	<b>0.62</b>	<b>0.537</b>	<b>-.1934034</b>	<b>.3701037</b>
	w1currdrugs#c.timew1w3						
	1	<b>.0239471</b>	<b>.0300222</b>	<b>0.80</b>	<b>0.425</b>	<b>-.0349816</b>	<b>.0828758</b>
	timew1w3	<b>0</b>	(omitted)				
	w1hei2010_total_scorecent43	<b>-.0006369</b>	<b>.0050606</b>	<b>-0.13</b>	<b>0.900</b>	<b>-.0107864</b>	<b>.0095126</b>
	c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0011532</b>	<b>.0011693</b>	<b>0.99</b>	<b>0.327</b>	<b>-.0011793</b>	<b>.0034856</b>
	timew1w3	<b>0</b>	(omitted)				
	w1BMIcon30	<b>-.0063184</b>	<b>.0070082</b>	<b>-0.90</b>	<b>0.367</b>	<b>-.0200591</b>	<b>.0074222</b>
	c.timew1w3#c.w1BMIcon30	<b>-.0025262</b>	<b>.0014779</b>	<b>-1.71</b>	<b>0.087</b>	<b>-.0054235</b>	<b>.0003711</b>
	timew1w3	<b>0</b>	(omitted)				
	invmillsmms	<b>.0051165</b>	<b>.0032798</b>	<b>1.56</b>	<b>0.119</b>	<b>-.0013118</b>	<b>.0115447</b>
	c.timew1w3#c.invmillsmms	<b>-.0003914</b>	<b>.000637</b>	<b>-0.61</b>	<b>0.539</b>	<b>-.0016398</b>	<b>.000857</b>
	timew1w3	<b>0</b>	(omitted)				
	w1HCYcenter2p15	<b>-.0900716</b>	<b>.2193584</b>	<b>-0.41</b>	<b>0.681</b>	<b>-.5200127</b>	<b>.3398695</b>
	c.timew1w3#c.w1HCYcenter2p15	<b>.0378404</b>	<b>.0475508</b>	<b>0.80</b>	<b>0.426</b>	<b>-.0553576</b>	<b>.1310384</b>
	Sex#c.w1HCYcenter2p15						
	Men	<b>.0732539</b>	<b>.3146572</b>	<b>0.23</b>	<b>0.816</b>	<b>-.5434638</b>	<b>.6899716</b>
	Sex#c.timew1w3#c.w1HCYcenter2p15						
	Men	<b>-.0512133</b>	<b>.0677387</b>	<b>-0.76</b>	<b>0.450</b>	<b>-.1839787</b>	<b>.081552</b>
	_cons	<b>5.980553</b>	<b>.2255927</b>	<b>26.51</b>	<b>0.000</b>	<b>5.538296</b>	<b>6.42281</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>4.55e-07</b>	.	.	.
sd(_cons)	<b>1.346893</b>	<b>.0389088</b>	<b>1.272752</b>	<b>1.425354</b>
sd(Residual)	<b>1.237741</b>	<b>.0247454</b>	<b>1.190179</b>	<b>1.287204</b>

```

401 .
402 . mi estimate: mixed clock_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4iobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,767
Number of groups = 1,445
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI = 0.0330
    Largest FMI = 0.1827
    DF: min = 137.01
        avg = 1.26e+08
        max = 4.23e+09
F( 29, 79690.2) = 7.46
Prob > F = 0.0000

```

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0631502</b>	<b>.0363331</b>	<b>-1.74</b>	<b>0.082</b>	<b>-.1343726</b> <b>.0080722</b>
w1Agecent48	<b>-.0022428</b>	<b>.0035081</b>	<b>-0.64</b>	<b>0.523</b>	<b>-.0091186</b> <b>.0046329</b>
c.timew1w3##c.w1Agecent48	<b>-.0018312</b>	<b>.0009255</b>	<b>-1.98</b>	<b>0.048</b>	<b>-.0036452</b> <b>-.0000171</b>
timew1w3	0	(omitted)			
Sex Men	<b>.088338</b>	<b>.0660322</b>	<b>1.34</b>	<b>0.181</b>	<b>-.0410828</b> <b>.2177588</b>
Sex##c.timew1w3 Men	<b>.0163244</b>	<b>.0173691</b>	<b>0.94</b>	<b>0.347</b>	<b>-.0177185</b> <b>.0503673</b>
timew1w3	0	(omitted)			
Race AfrAm	<b>-.2911111</b>	<b>.0651312</b>	<b>-4.47</b>	<b>0.000</b>	<b>-.4187659</b> <b>-.1634564</b>
Race##c.timew1w3 AfrAm	<b>.0132172</b>	<b>.0172519</b>	<b>0.77</b>	<b>0.444</b>	<b>-.020596</b> <b>.0470305</b>
timew1w3	0	(omitted)			
PovStat Below	<b>.0455283</b>	<b>.0675768</b>	<b>0.67</b>	<b>0.500</b>	<b>-.0869207</b> <b>.1779773</b>
PovStat##c.timew1w3 Below	<b>-.0044886</b>	<b>.0174145</b>	<b>-0.26</b>	<b>0.797</b>	<b>-.0386205</b> <b>.0296433</b>

	timew1w3	0 (omitted)					
w1edubr							
2	-.0372625	.1364494	-0.27	0.785	-.3047701	.230245	
3	.148482	.1476544	1.01	0.315	-.1409615	.4379256	
w1edubr#c.timew1w3							
2	.0441355	.0345194	1.28	0.201	-.0235297	.1118007	
3	.0596452	.0377714	1.58	0.114	-.014395	.1336854	
timew1w3	0 (omitted)						
w1WRATtotalcent42	.029414	.0045656	6.44	0.000	.020465	.0383629	
c.timew1w3#c.w1WRATtotalcent42	-.0012959	.0011997	-1.08	0.280	-.0036479	.0010561	
timew1w3	0 (omitted)						
1.w1smoke	-.0388932	.0754414	-0.52	0.607	-.1876374	.1098511	
w1smoke#c.timew1w3							
1	.0105524	.0198451	0.53	0.595	-.0285034	.0496083	
timew1w3	0 (omitted)						
1.w1currdrugs	.3103588	.0925987	3.35	0.001	.1272514	.4934661	
w1currdrugs#c.timew1w3							
1	-.0586451	.0227475	-2.58	0.010	-.1032683	-.0140219	
timew1w3	0 (omitted)						
w1hei2010_total_scorecent43	.0021622	.0029743	0.73	0.468	-.0036823	.0080068	
c.timew1w3#c.w1hei2010_total_scorecent43	.0004613	.0008342	0.55	0.581	-.001182	.0021046	
timew1w3	0 (omitted)						
w1BMIcontent30	-.0032685	.0043415	-0.75	0.452	-.011778	.0052409	
c.timew1w3#c.w1BMIcontent30	.0000542	.0011306	0.05	0.962	-.0021618	.0022702	
timew1w3	0 (omitted)						
invmillsmms	.0003902	.0020758	0.19	0.851	-.0036783	.0044586	
c.timew1w3#c.invmillsmms	-.0002274	.0004979	-0.46	0.648	-.0012033	.0007485	
timew1w3	0 (omitted)						
w1HCYcenter2p15	-.1701907	.1356623	-1.25	0.210	-.4360845	.095703	
c.timew1w3#c.w1HCYcenter2p15	-.0264759	.0362218	-0.73	0.465	-.0974695	.0445176	
Sex#c.w1HCYcenter2p15							
Men	.2381761	.1960296	1.22	0.224	-.1460351	.6223874	
Sex#c.timew1w3#c.w1HCYcenter2p15							
Men	-.0396417	.0517015	-0.77	0.443	-.1409749	.0616914	
_cons	8.81728	.1417592	62.20	0.000	8.539374	9.095186	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.0542064	.0692346	.0044347	.6625834
sd(_cons)	.6403969	.073865	.5108216	.8028404
corr(timew1w3,_cons)	-.1413729	.3812453	-.718624	.5512264
sd(Residual)	.9580901	.0456108	.8727384	1.051789

403 .  
404 . mi estimate: mixed LnTrailsAttestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
> c.timew1w3##c.w1HCYcenter2p15##Sex ///  
> if sample4jobs==1 || HNDID: timew1w3

Multiple-imputation estimates  
Mixed-effects ML regression

	Imputations = 5
Number of obs	= 2,701
Group variable: HNDID	Number of groups = 1,428
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
DF adjustment: Large sample	Average RVI = 0.0335
	Largest FMI = 0.3442
	DF: min = 40.85
	avg = 2.60e+07
	max = 7.30e+08
Model F test: Equal FMI	F( 29, 80602.4) = 16.01
	Prob > F = 0.0000

LnTrailsAttestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0108773	.0096174	1.13	0.258	-.0079756	.0297303
w1Agecent48	.0101077	.0010798	9.36	0.000	.0079913	.0122242
c.timew1w3#c.w1Agecent48	.0007169	.000244	2.94	0.003	.0002387	.0011951
timew1w3	0 (omitted)					
Sex						
Men	.0883462	.0204051	4.33	0.000	.048353	.1283394
Sex#c.timew1w3						
Men	.0011905	.0045859	0.26	0.795	-.0077978	.0101787
timew1w3	0 (omitted)					
Race						
AfrAm	.152728	.0200411	7.62	0.000	.113448	.192008
Race#c.timew1w3						
AfrAm	-.0017347	.0045188	-0.38	0.701	-.0105914	.007122
timew1w3	0 (omitted)					
PovStat						
Below	.0642463	.0207608	3.09	0.002	.0235558	.1049367
PovStat#c.timew1w3						

	Below	.0013892	.0045702	0.30	0.761	-.0075681	.0103466
	timew1w3	0 (omitted)					
	w1edubr						
	2	-.0617889	.0423175	-1.46	0.144	-.1447643	.0211864
	3	-.0558545	.0458644	-1.22	0.223	-.1457919	.0340828
	w1edubr#c.timew1w3						
	2	-.0075995	.0091451	-0.83	0.406	-.0255285	.0103296
	3	-.0116034	.0100011	-1.16	0.246	-.0312115	.0080047
	timew1w3	0 (omitted)					
	w1WRATtotalcent42	-.0077844	.0014217	-5.48	0.000	-.010571	-.0049978
	c.timew1w3#c.w1WRATtotalcent42	-.0004906	.0003168	-1.55	0.122	-.0011116	.0001304
	timew1w3	0 (omitted)					
	1.w1smoke	.0018176	.0231387	0.08	0.938	-.0439344	.0475695
	w1smoke#c.timew1w3						
	1	.003114	.005052	0.62	0.538	-.0067929	.013021
	timew1w3	0 (omitted)					
	1.w1currdrugs	.0505587	.02707	1.87	0.063	-.0027278	.1038453
	w1currdrugs#c.timew1w3						
	1	-.0038815	.0060503	-0.64	0.521	-.0157547	.0079918
	timew1w3	0 (omitted)					
	w1hei2010_total_scorecent43	.0001126	.0010128	0.11	0.912	-.001933	.0021583
	c.timew1w3#c.w1hei2010_total_scorecent43	.0000773	.0002316	0.33	0.739	-.0003821	.0005367
	timew1w3	0 (omitted)					
	w1BMIcon30	.0021047	.0013323	1.58	0.114	-.0005066	.0047161
	c.timew1w3#c.w1BMIcon30	-.0002114	.0002945	-0.72	0.473	-.0007886	.0003659
	timew1w3	0 (omitted)					
	invmillsmms	.0004847	.0006265	0.77	0.439	-.0007432	.0017126
	c.timew1w3#c.invmillsmms	-.0001469	.0001281	-1.15	0.251	-.000398	.0001041
	timew1w3	0 (omitted)					
	w1HCYcenter2p15	.1014446	.0414281	2.45	0.014	.020247	.1826421
	c.timew1w3#c.w1HCYcenter2p15	-.0199804	.0094342	-2.12	0.034	-.0384713	-.0014895
	Sex#c.w1HCYcenter2p15						
	Men	-.0421909	.0606282	-0.70	0.486	-.1610199	.0766382
	Sex#c.timew1w3#c.w1HCYcenter2p15						
	Men	.0243968	.0138242	1.76	0.078	-.0026982	.0514918
	_cons	3.360939	.044001	76.38	0.000	3.27467	3.447208

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0223472	.0059913	.0132135	.0377945
sd(_cons)	.2560173	.007764	.2412436	.2716957
sd(Residual)	.2374888	.007618	.2230175	.2528991

405 .  
406 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
> c.timew1w3##c.w1HCYcenter2p15##Sex ///  
> if sample4kobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
Number of obs = 2,609

Number of groups = 1,414  
Obs per group:

min = 1  
avg = 1.8  
max = 2

Average RVI = 0.0458  
Largest FMI = 0.2986

DF: min = 53.68  
avg = 2936881.03  
max = 4.02e+07

F( 29, 42017.0) = 26.38  
Prob > F = 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0089592	.0147937	0.61	0.545	-.0200425	.0379609
w1Agecent48	.0159137	.0018017	8.83	0.000	.0123824	.019445
c.timew1w3#c.w1Agecent48	.0005582	.0003685	1.51	0.130	-.0001642	.0012805
timew1w3	0 (omitted)					
Sex Men	.0500018	.0339603	1.47	0.141	-.0165592	.1165628
Sex#c.timew1w3 Men	-.0048218	.0069064	-0.70	0.485	-.0183582	.0087146
timew1w3	0 (omitted)					
Race AfrAm	.3030185	.0333868	9.08	0.000	.2375812	.3684558
Race#c.timew1w3 AfrAm	.0000207	.0068578	0.00	0.998	-.0134204	.0134618
timew1w3	0 (omitted)					
PovStat Below	.1316007	.0346569	3.80	0.000	.0636734	.1995279
PovStat#c.timew1w3 Below	.0012581	.0069858	0.18	0.857	-.012434	.0149502

	timew1w3	0 (omitted)					
	w1edubr						
	2	-.1096855	.0695987	-1.58	0.115	-.2461031	.0267322
	3	-.2093635	.0749502	-2.79	0.005	-.3562648	-.0624623
	w1edubr#c.timew1w3						
	2	-.0068745	.0140557	-0.49	0.625	-.0344254	.0206764
	3	-.0076177	.0152402	-0.50	0.617	-.0374911	.0222557
	timew1w3	0 (omitted)					
	w1WRATtotalcent42	-.026384	.0023879	-11.05	0.000	-.0310645	-.0217036
	c.timew1w3#c.w1WRATtotalcent42	-.0000664	.0005015	-0.13	0.895	-.0010493	.0009166
	timew1w3	0 (omitted)					
	1.w1smoke	.0051205	.0384736	0.13	0.894	-.0710553	.0812963
	w1smoke#c.timew1w3						
	1	.0090394	.0080047	1.13	0.260	-.0067174	.0247961
	timew1w3	0 (omitted)					
	1.w1currdrugs	-.0009835	.0458385	-0.02	0.983	-.0915531	.0895861
	w1currdrugs#c.timew1w3						
	1	-.0037451	.0094508	-0.40	0.692	-.0223443	.0148541
	timew1w3	0 (omitted)					
	w1hei2010_total_scorecent43	.0005335	.001465	0.36	0.716	-.002352	.0034191
	c.timew1w3#c.w1hei2010_total_scorecent43	-.0001454	.00037	-0.39	0.696	-.0008873	.0005965
	timew1w3	0 (omitted)					
	w1BMIconcent30	.0017768	.0022263	0.80	0.425	-.0025874	.0061409
	c.timew1w3#c.w1BMIconcent30	-.0006182	.0004486	-1.38	0.168	-.0014973	.000261
	timew1w3	0 (omitted)					
	invmillsmms	-.002236	.001042	-2.15	0.032	-.0042783	-.0001936
	c.timew1w3#c.invmillsmms	-.0002952	.0004694	-0.63	0.529	-.0012153	.0006248
	timew1w3	0 (omitted)					
	w1HCYcenter2p15	-.0293716	.0689567	-0.43	0.670	-.1645245	.1057812
	c.timew1w3#c.w1HCYcenter2p15	.0040585	.0141649	0.29	0.774	-.0237045	.0318215
	Sex#c.w1HCYcenter2p15						
	Men	.1938949	.1011173	1.92	0.055	-.0042915	.3920813
	Sex#c.timew1w3#c.w1HCYcenter2p15						
	Men	.0126002	.0204662	0.62	0.538	-.0275129	.0527132
	_cons	4.486682	.0725004	61.88	0.000	4.344576	4.628788

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.0605803	.0129892	.0397944	.0922234
sd(_cons)	.494486	.0213202	.454416	.5380893
corr(timew1w3,_cons)	-.4807	.0473249	-.5679717	-.3827391
sd(Residual)	.3032094	.027612	.2536456	.3624583

```

407 .
408 .
409 . save, replace
      file finaldata_imputed_FINAL.dta saved

410 .
411 .
412 . //MODEL 3: FULLY ADJUSTED MODEL: MODEL 2 + HEALTH-RELATED FACTORS///
413 .
414 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> > c.timew1w3##c.w1HCYcenter2p15##Sex ///
> > if sample4aobs==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,653
Number of groups = 1,430
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI = 0.0387
Largest FMI = 0.3062
DF: min = 51.18
        avg = 7.67e+12
        max = 3.76e+14
F( 45,108827.5) = 24.40
Prob > F = 0.0000

```

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0963597	.0568408	1.70	0.090	-.0150695	.2077889
w1Agecent48	-.0191508	.0052711	-3.63	0.000	-.029485	-.0088165
c.timew1w3#c.w1Agecent48	-.0032591	.0012992	-2.51	0.012	-.005806	-.0007122
timew1w3	0 (omitted)					
Sex						
Men	-.3654989	.0926585	-3.94	0.000	-.5471102	-.1838876
Sex#c.timew1w3						
Men	.0249503	.0230163	1.08	0.278	-.0201661	.0700667
timew1w3	0 (omitted)					
Race						
AfrAm	-.2451343	.0925094	-2.65	0.008	-.4264896	-.063779

Race#c.timew1w3						
AfrAm	<b>- .0166429</b>	<b>.0232311</b>	<b>-0.72</b>	<b>0.474</b>	<b>-.0621793</b>	<b>.0288934</b>
timew1w3	0 (omitted)					
PovStat						
Below	<b>- .0172413</b>	<b>.0936373</b>	<b>-0.18</b>	<b>0.854</b>	<b>-.2007689</b>	<b>.1662862</b>
PovStat#c.timew1w3						
Below	<b>- .0323587</b>	<b>.022811</b>	<b>-1.42</b>	<b>0.156</b>	<b>-.0770676</b>	<b>.0123501</b>
timew1w3	0 (omitted)					
w1edubr						
2	<b>.5203174</b>	<b>.1843084</b>	<b>2.82</b>	<b>0.005</b>	<b>.1590349</b>	<b>.8815999</b>
3	<b>.702906</b>	<b>.2013397</b>	<b>3.49</b>	<b>0.000</b>	<b>.3081947</b>	<b>1.097617</b>
w1edubr#c.timew1w3						
2	<b>-.0629197</b>	<b>.0466959</b>	<b>-1.35</b>	<b>0.178</b>	<b>-.154461</b>	<b>.0286215</b>
3	<b>-.0620885</b>	<b>.0504367</b>	<b>-1.23</b>	<b>0.218</b>	<b>-.1609734</b>	<b>.0367964</b>
timew1w3	0 (omitted)					
w1WRATTtotalcent42	<b>.1441977</b>	<b>.0063499</b>	<b>22.71</b>	<b>0.000</b>	<b>.1317501</b>	<b>.1566452</b>
c.timew1w3#c.w1WRATTtotalcent42						
timew1w3	0 (omitted)					
1.w1smoke	<b>.0528124</b>	<b>.0991072</b>	<b>0.53</b>	<b>0.594</b>	<b>-.1417483</b>	<b>.2473731</b>
w1smoke#c.timew1w3						
1	<b>-.0550822</b>	<b>.0245914</b>	<b>-2.24</b>	<b>0.025</b>	<b>-.1032809</b>	<b>-.0068835</b>
timew1w3	0 (omitted)					
1.w1currdrugs	<b>-.0588446</b>	<b>.1262415</b>	<b>-0.47</b>	<b>0.642</b>	<b>-.3085035</b>	<b>.1908143</b>
w1currdrugs#c.timew1w3						
1	<b>.0159128</b>	<b>.0304237</b>	<b>0.52</b>	<b>0.601</b>	<b>-.0438818</b>	<b>.0757073</b>
timew1w3	0 (omitted)					
w1hei2010_total_scorecent43	<b>-.0047436</b>	<b>.0045035</b>	<b>-1.05</b>	<b>0.297</b>	<b>-.0137751</b>	<b>.004288</b>
c.timew1w3#c.w1hei2010_total_scorecent43						
timew1w3	0 (omitted)					
w1BMIcon30	<b>-.0060132</b>	<b>.0064518</b>	<b>-0.93</b>	<b>0.351</b>	<b>-.0186612</b>	<b>.0066348</b>
c.timew1w3#c.w1BMIcon30						
timew1w3	0 (omitted)					
w1SRH						
2	<b>.1720608</b>	<b>.1193558</b>	<b>1.44</b>	<b>0.149</b>	<b>-.0618723</b>	<b>.4059939</b>
3	<b>.0953187</b>	<b>.1284506</b>	<b>0.74</b>	<b>0.458</b>	<b>-.1564426</b>	<b>.3470799</b>
w1SRH#c.timew1w3						
2	<b>-.0073558</b>	<b>.030083</b>	<b>-0.24</b>	<b>0.807</b>	<b>-.0663176</b>	<b>.0516059</b>
3	<b>-.010319</b>	<b>.0323219</b>	<b>-0.32</b>	<b>0.750</b>	<b>-.0736703</b>	<b>.0530322</b>
timew1w3	0 (omitted)					
w1CEScent15	<b>-.0072445</b>	<b>.0041825</b>	<b>-1.73</b>	<b>0.083</b>	<b>-.0154424</b>	<b>.0009535</b>
c.timew1w3#c.w1CEScent15						
timew1w3	0 (omitted)					
c.timew1w3#c.w1CEScent15	<b>.0005165</b>	<b>.0010582</b>	<b>0.49</b>	<b>0.625</b>	<b>-.0015578</b>	<b>.0025908</b>

	timew1w3	0 (omitted)						
w1dxHTN	Yes	.0473052	.0996638	0.47	0.635	-.1480433	.2426537	
w1dxHTN#c.timew1w3	Yes	-.0094663	.0252593	-0.37	0.708	-.0589864	.0400538	
	timew1w3	0 (omitted)						
w1dxDiabetes	preDiabetes	-.0176059	.1165876	-0.15	0.880	-.2461842	.2109725	
	Diabetes	-.0934119	.1459804	-0.64	0.523	-.3816802	.1948563	
w1dxDiabetes#c.timew1w3	preDiabetes	.0301627	.0289125	1.04	0.297	-.0265059	.0868314	
	Diabetes	-.0465689	.0356803	-1.31	0.192	-.1165786	.0234408	
	timew1w3	0 (omitted)						
w1CVhighChol	Yes	.1734363	.1098322	1.58	0.115	-.0422484	.3891209	
w1CVhighChol#c.timew1w3	Yes	.0096848	.0279904	0.35	0.729	-.0452179	.0645875	
	timew1w3	0 (omitted)						
1.w1cvdbr		-.0306618	.1286671	-0.24	0.812	-.284051	.2227274	
w1cvdbr#c.timew1w3	1	-.0006346	.0319448	-0.02	0.984	-.0633851	.0621158	
	timew1w3	0 (omitted)						
invmillsmms		.0080659	.0027675	2.91	0.004	.0026418	.01349	
c.timew1w3#c.invmillsmms		-.0019023	.0006109	-3.11	0.002	-.0030996	-.000705	
	timew1w3	0 (omitted)						
w1HCYcenter2p15		-.0367166	.1879647	-0.20	0.845	-.4051273	.3316942	
c.timew1w3#c.w1HCYcenter2p15		.0179318	.0465522	0.39	0.700	-.0733097	.1091734	
	Sex#c.w1HCYcenter2p15	Men	.0637191	.2691324	0.24	0.813	-.4637714	.5912097
Sex#c.timew1w3#c.w1HCYcenter2p15	Men	-.0443489	.0682577	-0.65	0.516	-.1781317	.0894339	
	_cons	27.29468	.2218163	123.05	0.000	26.85989	27.72947	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Independent					
sd(timew1w3)	5.09e-07	.0002106	0		.
sd(_cons)	.9949047	.0427882	.9144644	1.082421	
sd(Residual)	1.211057	.0265459	1.160127	1.264222	

```

415 .
416 .
417 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates           Imputations      =      5
Mixed-effects ML regression            Number of obs    =  2,653

Group variable: HNDID                Number of groups = 1,430
                                         Obs per group:
                                         min =       1
                                         avg =     1.9
                                         max =       2
                                         Average RVI   =
                                         Largest FMI   =
DF adjustment: Large sample          DF:    min =     0.00
                                         avg =     .
                                         max =     .
Model F test: Equal FMI             F( 45,104417.2) =    21.50
                                         Prob > F      = 0.0000

```

	MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.5075997	.4551478	1.12	0.265	.3845824	1.399782
w1Agecent48	-.1700687	.042618	-3.99	0.000	-.2536028	-.0865346
c.timew1w3##c.w1Agecent48	-.0246197	.0104516	-2.36	0.019	-.0451067	-.0041327
timew1w3	0 (omitted)					
Sex						
Men	-2.32088	.7552878	-3.07	0.002	-3.801238	-.8405227
Sex##c.timew1w3						
Men	.1445842	.1861227	0.78	0.437	-.2202634	.5094318
timew1w3	0 (omitted)					
Race						
AfrAm	-3.565837	.750427	-4.75	0.000	-5.036756	-2.094917
Race##c.timew1w3						
AfrAm	.0399097	.1869769	0.21	0.831	-.3265799	.4063992
timew1w3	0 (omitted)					
PovStat						
Below	-.2631319	.763853	-0.34	0.730	-1.760269	1.234005
PovStat##c.timew1w3						
Below	-.2833704	.1842409	-1.54	0.124	-.6444764	.0777357
timew1w3	0 (omitted)					
w1edubr						
2	3.825853	1.498585	2.55	0.011	.8885417	6.763165
3	5.930559	1.634288	3.63	0.000	2.727146	9.133972
w1edubr##c.timew1w3						

		2	<b>- .4783129</b>	.3732356	<b>-1.28</b>	<b>0.200</b>	<b>-1.209902</b>	<b>.2532758</b>
		3	<b>- .3748943</b>	.4038897	<b>-0.93</b>	<b>0.353</b>	<b>-1.16662</b>	<b>.4168315</b>
	timew1w3		<b>0</b>	(omitted)				
	w1WRATtotalcent42		<b>.9425877</b>	.0516653	<b>18.24</b>	<b>0.000</b>	<b>.841317</b>	<b>1.043859</b>
c.timew1w3#c.w1WRATtotalcent42			<b>-.0330149</b>	.0139185	<b>-2.37</b>	<b>0.018</b>	<b>-.0603013</b>	<b>-.0057285</b>
	timew1w3		<b>0</b>	(omitted)				
	1.w1smoke		<b>-.0959525</b>	.8033886	<b>-0.12</b>	<b>0.905</b>	<b>-1.671883</b>	<b>1.479978</b>
w1smoke#c.timew1w3			<b>-.317635</b>	.1977524	<b>-1.61</b>	<b>0.108</b>	<b>-.7052231</b>	<b>.0699531</b>
	timew1w3		<b>0</b>	(omitted)				
	1.w1currdrugs		<b>.2207702</b>	1.013325	<b>0.22</b>	<b>0.828</b>	<b>-1.776622</b>	<b>2.218162</b>
w1currdrugs#c.timew1w3			<b>.0563673</b>	.2495101	<b>0.23</b>	<b>0.821</b>	<b>-.4350298</b>	<b>.5477644</b>
	timew1w3		<b>0</b>	(omitted)				
w1hei2010_total_scorecent43			<b>-.0268772</b>	.0357442	<b>-0.75</b>	<b>0.454</b>	<b>-.0979945</b>	<b>.0442401</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0069083</b>	.0099136	<b>0.70</b>	<b>0.490</b>	<b>-.0131267</b>	<b>.0269432</b>
	timew1w3		<b>0</b>	(omitted)				
w1BMIcon30			<b>-.0517533</b>	.0523505	<b>-0.99</b>	<b>0.323</b>	<b>-.1543656</b>	<b>.050859</b>
c.timew1w3#c.w1BMIcon30			<b>.0000865</b>	.0125628	<b>0.01</b>	<b>0.995</b>	<b>-.0245362</b>	<b>.0247092</b>
	timew1w3		<b>0</b>	(omitted)				
w1SRH								
	2		<b>1.367949</b>	.9746233	<b>1.40</b>	<b>0.160</b>	<b>-.5422821</b>	<b>3.278179</b>
	3		<b>1.633592</b>	1.052736	<b>1.55</b>	<b>0.121</b>	<b>-.4298665</b>	<b>3.697051</b>
w1SRH#c.timew1w3								
	2		<b>-.1106293</b>	.2423718	<b>-0.46</b>	<b>0.648</b>	<b>-.5856694</b>	<b>.3644107</b>
	3		<b>-.1918888</b>	.2607854	<b>-0.74</b>	<b>0.462</b>	<b>-.7030343</b>	<b>.3192567</b>
	timew1w3		<b>0</b>	(omitted)				
w1CEScent15			<b>-.0601416</b>	.0340526	<b>-1.77</b>	<b>0.077</b>	<b>-.1268847</b>	<b>.0066016</b>
c.timew1w3#c.w1CEScent15			<b>.0053601</b>	.0085003	<b>0.63</b>	<b>0.528</b>	<b>-.011301</b>	<b>.0220212</b>
	timew1w3		<b>0</b>	(omitted)				
w1dxHTN								
	Yes		<b>.6151841</b>	.8158501	<b>0.75</b>	<b>0.451</b>	<b>-.9840175</b>	<b>2.214386</b>
w1dxHTN#c.timew1w3								
	Yes		<b>-.1124251</b>	.2030262	<b>-0.55</b>	<b>0.580</b>	<b>-.510409</b>	<b>.2855588</b>
	timew1w3		<b>0</b>	(omitted)				
w1dxDiabetes								
	preDiabetes		<b>.5343886</b>	.9555909	<b>0.56</b>	<b>0.576</b>	<b>-1.339436</b>	<b>2.408214</b>
	Diabetes		<b>-.1854501</b>	1.167705	<b>-0.16</b>	<b>0.874</b>	<b>-2.484279</b>	<b>2.113379</b>
w1dxDiabetes#c.timew1w3								
	preDiabetes		<b>.2347449</b>	.232759	<b>1.01</b>	<b>0.313</b>	<b>-.2214589</b>	<b>.6909486</b>
	Diabetes		<b>-.3781863</b>	.2874452	<b>-1.32</b>	<b>0.189</b>	<b>-.9421681</b>	<b>.1857954</b>

	timew1w3	0 (omitted)					
w1CVhighChol							
Yes	<b>1.145595</b>	.9022018	1.27	0.205	-.6265044	2.917693	
w1CVhighChol#c.timew1w3							
Yes	<b>.1193464</b>	.2319956	0.51	0.607	-.3367989	.5754917	
timew1w3		0 (omitted)					
1.w1cvdbr	<b>-.54904</b>	1.071626	-0.51	0.609	-2.664412	1.566332	
w1cvdbr#c.timew1w3							
1	<b>-.0119184</b>	.2620891	-0.05	0.964	-.5277414	.5039046	
timew1w3		0 (omitted)					
invmillsmms	<b>.0457072</b>	.0225745	2.02	0.043	.001462	.0899524	
c.timew1w3#c.invmillsmms							
	<b>-.0103625</b>	.0049824	-2.08	0.038	-.0201277	-.0005972	
timew1w3		0 (omitted)					
w1HCYcenter2p15	<b>-.649999</b>	1.533889	-0.42	0.672	-3.656425	2.356427	
c.timew1w3#c.w1HCYcenter2p15							
	<b>.1075868</b>	.3765698	0.29	0.775	-.6304899	.8456635	
Sex#c.w1HCYcenter2p15							
Men	<b>2.392724</b>	2.19579	1.09	0.276	-1.910952	6.696401	
Sex#c.timew1w3#c.w1HCYcenter2p15							
Men	<b>-.2627766</b>	.5506577	-0.48	0.633	-1.342052	.8164985	
_cons	<b>73.41375</b>	1.823385	40.26	0.000	69.83891	76.98858	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	<b>.3978159</b>	.	.
sd(_cons)	<b>8.223464</b>	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.
sd(Residual)	<b>9.793037</b>	.	.

418 .  
 419 .  
 420 .  
 421 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4bobs==1 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5  
 Number of obs = 2,464

Group variable: HNDID

	Number of groups =	1,420
	Obs per group:	
	min =	1
	avg =	1.7
	max =	2
	Average RVI =	0.0360
	Largest FMI =	0.3571
DF adjustment:	Large sample	DF: min = 38.07
		avg = 615,593.65
		max = 8196106.48
Model F test:	Equal FMI	F( 45, 123645.2) = 37.06
		Prob > F = 0.0000

cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-1.036474	.1788424	-5.80	0.000	-1.387004 -.6859434
w1Agecent48	-.1634388	.0202582	-8.07	0.000	-.2031468 -.1237308
c.timew1w3#c.w1Agecent48	-.0078078	.0044252	-1.76	0.078	-.0164812 .0008656
timew1w3	0 (omitted)				
Sex					
Men	-2.429111	.3592734	-6.76	0.000	-3.133274 -1.724947
Sex#c.timew1w3					
Men	-.2226257	.0785876	-2.83	0.005	-.3766557 -.0685958
timew1w3	0 (omitted)				
Race					
AfrAm	-2.205801	.360187	-6.12	0.000	-2.911898 -1.499705
Race#c.timew1w3					
AfrAm	.0971545	.07895	1.23	0.219	-.0576338 .2519429
timew1w3	0 (omitted)				
PovStat					
Below	-.1154288	.3622262	-0.32	0.750	-.8253985 .594541
PovStat#c.timew1w3					
Below	-.0358168	.0768426	-0.47	0.641	-.1864314 .1147979
timew1w3	0 (omitted)				
w1edubr					
2	-.4423498	.6999315	-0.63	0.527	-1.815129 .930429
3	1.706214	.7605681	2.24	0.025	.2149179 3.19751
w1edubr#c.timew1w3					
2	.0965408	.1454676	0.66	0.507	-.188666 .3817476
3	-.0605555	.1599056	-0.38	0.705	-.3740249 .2529138
timew1w3	0 (omitted)				
w1WRATtotalcent42	.2227385	.0241839	9.21	0.000	.1753374 .2701396
c.timew1w3#c.w1WRATtotalcent42	-.006532	.0051859	-1.26	0.208	-.0166966 .0036326
timew1w3	0 (omitted)				
1.w1smoke	.0958395	.3866415	0.25	0.804	-.6664253 .8581042

w1smoke#c.timew1w3							
1	<b>-.0212029</b>	<b>.0888392</b>	<b>-0.24</b>	<b>0.812</b>	<b>-.1964926</b>	<b>.1540869</b>	
timew1w3	0	(omitted)					
1.w1currdrugs	<b>-.4484673</b>	<b>.4409911</b>	<b>-1.02</b>	<b>0.309</b>	<b>-1.313168</b>	<b>.4162336</b>	
w1currdrugs#c.timew1w3							
1	<b>.1310338</b>	<b>.0992564</b>	<b>1.32</b>	<b>0.187</b>	<b>-.0637026</b>	<b>.3257702</b>	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	<b>.0235743</b>	<b>.0178595</b>	<b>1.32</b>	<b>0.195</b>	<b>-.0125783</b>	<b>.0597269</b>	
c.timew1w3#c.w1hei2010_total_scorecent43							
timew1w3	0	(omitted)					
w1BMIcon30	<b>.0085225</b>	<b>.0247466</b>	<b>0.34</b>	<b>0.731</b>	<b>-.0399831</b>	<b>.0570281</b>	
c.timew1w3#c.w1BMIcon30							
timew1w3	0	(omitted)					
w1SRH							
2	<b>.8830333</b>	<b>.4598569</b>	<b>1.92</b>	<b>0.055</b>	<b>-.0183365</b>	<b>1.784403</b>	
3	<b>.8088348</b>	<b>.4966534</b>	<b>1.63</b>	<b>0.103</b>	<b>-.1647479</b>	<b>1.782417</b>	
w1SRH#c.timew1w3							
2	<b>-.1442915</b>	<b>.0997215</b>	<b>-1.45</b>	<b>0.148</b>	<b>-.3397443</b>	<b>.0511613</b>	
3	<b>-.1334555</b>	<b>.106941</b>	<b>-1.25</b>	<b>0.212</b>	<b>-.3430582</b>	<b>.0761472</b>	
timew1w3	0	(omitted)					
w1CEScent15							
timew1w3	0	(omitted)					
w1CEScent15	<b>-.0703509</b>	<b>.0158292</b>	<b>-4.44</b>	<b>0.000</b>	<b>-.1013757</b>	<b>-.0393261</b>	
c.timew1w3#c.w1CEScent15							
timew1w3	0	(omitted)					
w1dxHTN							
Yes	<b>.0624983</b>	<b>.3821945</b>	<b>0.16</b>	<b>0.870</b>	<b>-.6867117</b>	<b>.8117082</b>	
w1dxHTN#c.timew1w3							
Yes	<b>-.0251404</b>	<b>.0844127</b>	<b>-0.30</b>	<b>0.766</b>	<b>-.1905968</b>	<b>.140316</b>	
timew1w3	0	(omitted)					
w1dxDiabetes							
preDiabetes							
Diabetes	<b>-.3711434</b>	<b>.4447778</b>	<b>-0.83</b>	<b>0.404</b>	<b>-1.24304</b>	<b>.5007536</b>	
	<b>.6394498</b>	<b>.5304836</b>	<b>1.21</b>	<b>0.228</b>	<b>-.4012374</b>	<b>1.680137</b>	
w1dxDiabetes#c.timew1w3							
preDiabetes							
Diabetes	<b>.1449967</b>	<b>.099076</b>	<b>1.46</b>	<b>0.143</b>	<b>-.0492601</b>	<b>.3392534</b>	
	<b>-.2942302</b>	<b>.1202042</b>	<b>-2.45</b>	<b>0.015</b>	<b>-.5301989</b>	<b>-.0582615</b>	
timew1w3	0	(omitted)					
w1CVhighChol							
Yes	<b>-.2717369</b>	<b>.411084</b>	<b>-0.66</b>	<b>0.509</b>	<b>-1.077895</b>	<b>.5344216</b>	
w1CVhighChol#c.timew1w3							
Yes	<b>.1775479</b>	<b>.0957765</b>	<b>1.85</b>	<b>0.064</b>	<b>-.0103475</b>	<b>.3654434</b>	
timew1w3	0	(omitted)					
1.w1cvdbr	<b>.5973856</b>	<b>.461904</b>	<b>1.29</b>	<b>0.196</b>	<b>-.3082038</b>	<b>1.502975</b>	

w1cvdbr#c.timew1w3							
1	<b>-.165133</b>	<b>.1061379</b>	<b>-1.56</b>	<b>0.120</b>	<b>-.3734691</b>	<b>.0432031</b>	
timew1w3	<b>0</b>	(omitted)					
invmillsmms	<b>.0179052</b>	<b>.0102775</b>	<b>1.74</b>	<b>0.081</b>	<b>-.0022384</b>	<b>.0380488</b>	
c.timew1w3#c.invmillsmms	<b>-.0002788</b>	<b>.0019955</b>	<b>-0.14</b>	<b>0.889</b>	<b>-.00419</b>	<b>.0036323</b>	
timew1w3	<b>0</b>	(omitted)					
w1HCYcenter2p15	<b>1.207953</b>	<b>.7157595</b>	<b>1.69</b>	<b>0.091</b>	<b>-.194913</b>	<b>2.610818</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>.0015068</b>	<b>.1574187</b>	<b>0.01</b>	<b>0.992</b>	<b>-.3070283</b>	<b>.3100418</b>	
Sex#c.w1HCYcenter2p15							
Men	<b>.049227</b>	<b>1.038469</b>	<b>0.05</b>	<b>0.962</b>	<b>-1.986136</b>	<b>2.08459</b>	
Sex#c.timew1w3#c.w1HCYcenter2p15							
Men	<b>-.1642257</b>	<b>.2257742</b>	<b>-0.73</b>	<b>0.467</b>	<b>-.6067352</b>	<b>.2782838</b>	
_cons	<b>25.85715</b>	<b>.8380177</b>	<b>30.86</b>	<b>0.000</b>	<b>24.21458</b>	<b>27.49971</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Independent			
sd(timew1w3)	<b>.3249517</b>	<b>.1088815</b>	<b>.1684971</b>
sd(_cons)	<b>4.310648</b>	<b>.1291365</b>	<b>4.064831</b>
sd(Residual)	<b>3.678815</b>	<b>.130264</b>	<b>3.432156</b>
			<b>3.943201</b>

```

422 .
423 .
424 .
425 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> > c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4cobs==1 || HNDID:
```

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,339

Group variable: HNDID

Number of groups	=	1,391
Obs per group:		
min	=	1
avg	=	1.7
max	=	2

Average RVI = 0.0577  
 Largest FMI = 0.2986

DF adjustment: Large sample

DF:	min	=	53.69
	avg	=	218,587.42
	max	=	1898981.57

Model F test: Equal FMI

F( 45,51533.5)	=	23.04
Prob > F	=	0.0000

	CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-.3878394</b>	.086974	<b>-4.46</b>	<b>0.000</b>	<b>-.5583065</b> <b>-.2173723</b>
w1Agecent48		<b>-.0865417</b>	.0098017	<b>-8.83</b>	<b>0.000</b>	<b>-.1057538</b> <b>-.0673295</b>
c.timew1w3#c.w1Agecent48		<b>-.0042668</b>	.0021846	<b>-1.95</b>	<b>0.051</b>	<b>-.0085487</b> <b>.0000151</b>
	timew1w3	0	(omitted)			
	Sex					
Men		<b>-1.040956</b>	.1736431	<b>-5.99</b>	<b>0.000</b>	<b>-1.381291</b> <b>-.7006206</b>
	Sex#c.timew1w3					
Men		<b>-.0658318</b>	.0382436	<b>-1.72</b>	<b>0.085</b>	<b>-.1407887</b> <b>.0091251</b>
	timew1w3	0	(omitted)			
	Race					
AfrAm		<b>-1.303698</b>	.1729464	<b>-7.54</b>	<b>0.000</b>	<b>-1.642715</b> <b>-.9646809</b>
	Race#c.timew1w3					
AfrAm		<b>.0205762</b>	.0382646	<b>0.54</b>	<b>0.591</b>	<b>-.0544288</b> <b>.0955811</b>
	timew1w3	0	(omitted)			
	PovStat					
Below		<b>.0326805</b>	.1750254	<b>0.19</b>	<b>0.852</b>	<b>-.3103767</b> <b>.3757377</b>
	PovStat#c.timew1w3					
Below		<b>-.029201</b>	.0375413	<b>-0.78</b>	<b>0.437</b>	<b>-.1027848</b> <b>.0443828</b>
	timew1w3	0	(omitted)			
	w1edubr					
2		<b>-.1393867</b>	.3393355	<b>-0.41</b>	<b>0.681</b>	<b>-.8048848</b> <b>.5261114</b>
3		<b>.5580601</b>	.3684897	<b>1.51</b>	<b>0.130</b>	<b>-.1643823</b> <b>1.280502</b>
	w1edubr#c.timew1w3					
2		<b>-.010757</b>	.0701229	<b>-0.15</b>	<b>0.878</b>	<b>-.1482214</b> <b>.1267075</b>
3		<b>-.0078727</b>	.0772605	<b>-0.10</b>	<b>0.919</b>	<b>-.1593148</b> <b>.1435695</b>
	timew1w3	0	(omitted)			
	w1WRATtotalcent42					
		<b>.0934719</b>	.0117807	<b>7.93</b>	<b>0.000</b>	<b>.070379</b> <b>.1165648</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0040983</b>	.0025201	<b>-1.63</b>	<b>0.104</b>	<b>-.0090376</b> <b>.000841</b>
	timew1w3	0	(omitted)			
1.w1smoke		<b>.0221295</b>	.1985567	<b>0.11</b>	<b>0.912</b>	<b>-.3731034</b> <b>.4173625</b>
	w1smoke#c.timew1w3					
1		<b>-.0117526</b>	.0461736	<b>-0.25</b>	<b>0.800</b>	<b>-.1039239</b> <b>.0804187</b>
	timew1w3	0	(omitted)			
1.w1currdrugs		<b>-.202302</b>	.2277586	<b>-0.89</b>	<b>0.375</b>	<b>-.6513916</b> <b>.2467875</b>
	w1currdrugs#c.timew1w3					
1		<b>-.0119768</b>	.0519107	<b>-0.23</b>	<b>0.818</b>	<b>-.1147714</b> <b>.0908179</b>
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		<b>.0065277</b>	.0084467	<b>0.77</b>	<b>0.443</b>	<b>-.0104092</b> <b>.0234646</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0003009</b>	.0019704	<b>-0.15</b>	<b>0.879</b>	<b>-.0042228</b> <b>.003621</b>

	timew1w3	0	(omitted)				
w1BMIcent30		.028055	.0119519	2.35	0.019	.0046287	.0514814
c.timew1w3#c.w1BMIcent30		-.0027844	.0025689	-1.08	0.278	-.0078194	.0022507
	timew1w3	0	(omitted)				
w1SRH							
2		.2110345	.2221032	0.95	0.342	-.2242939	.6463629
3		.0267323	.2402671	0.11	0.911	-.4442406	.4977051
w1SRH#c.timew1w3							
2		.0185404	.0489365	0.38	0.705	-.0773736	.1144545
3		.056417	.0524984	1.07	0.283	-.0464783	.1593122
	timew1w3	0	(omitted)				
w1CEScent15		-.032467	.0077161	-4.21	0.000	-.0475904	-.0173436
c.timew1w3#c.w1CEScent15		.0000134	.0017234	0.01	0.994	-.0033653	.003392
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		.012787	.1843603	0.07	0.945	-.3486064	.3741804
w1dxHTN#c.timew1w3							
Yes		.0192449	.0410549	0.47	0.639	-.0612226	.0997124
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		-.2193483	.2149329	-1.02	0.308	-.6407846	.2020879
Diabetes		-.2112051	.2652083	-0.80	0.426	-.7329163	.310506
w1dxDiabetes#c.timew1w3							
preDiabetes		.0640661	.0477063	1.34	0.179	-.0294519	.1575841
Diabetes		-.0185246	.0581144	-0.32	0.750	-.1325498	.0955007
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		-.0355655	.2047119	-0.17	0.862	-.4377245	.3665935
w1CVhighChol#c.timew1w3							
Yes		.0600444	.0479451	1.25	0.211	-.0342262	.1543151
	timew1w3	0	(omitted)				
1.w1cvdbr		.3167847	.2315398	1.37	0.172	-.137939	.7715084
w1cvdbr#c.timew1w3							
1		-.0550397	.0514344	-1.07	0.285	-.1559001	.0458207
	timew1w3	0	(omitted)				
invmillsmms		.0082041	.0049047	1.67	0.094	-.0014088	.0178171
c.timew1w3#c.invmillsmms		-.0004383	.0009442	-0.46	0.643	-.002289	.0014124
	timew1w3	0	(omitted)				
w1HCYcenter2p15		.682835	.3456695	1.98	0.048	.0053275	1.360342
c.timew1w3#c.w1HCYcenter2p15		-.0319601	.0772544	-0.41	0.679	-.183376	.1194558

Sex#c.w1HCYcenter2p15 Men	<b>-.1784806</b>	<b>.5033251</b>	<b>-0.35</b>	<b>0.723</b>	<b>-1.164983</b>	<b>.8080213</b>
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	<b>.0409083</b>	<b>.11016</b>	<b>0.37</b>	<b>0.710</b>	<b>-.1750015</b>	<b>.2568181</b>
_cons	<b>8.309315</b>	<b>.408626</b>	<b>20.33</b>	<b>0.000</b>	<b>7.508262</b>	<b>9.110369</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity sd(_cons)	<b>1.982639</b>	<b>.0630617</b>	<b>1.862814</b>	<b>2.110172</b>
sd(Residual)	<b>1.819045</b>	<b>.0420582</b>	<b>1.738452</b>	<b>1.903374</b>

426 .  
 427 .  
 428 .  
 429 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15##Sex ///  
 > if sample4dobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,751
Group variable: HNDID	Number of groups	= 1,443
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
DF adjustment: Large sample	Average RVI	= 0.0367
	Largest FMI	= 0.2811
	DF: min	= 60.26
	avg	= 690,250.62
	max	= 9084932.05
Model F test: Equal FMI	F( 45,115000.1)	= 20.59
	Prob > F	= 0.0000

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>.4698624</b>	<b>.1318817</b>	<b>3.56</b>	<b>0.000</b>	<b>.211349</b>	<b>.7283758</b>
w1Agecent48	<b>.1132963</b>	<b>.014484</b>	<b>7.82</b>	<b>0.000</b>	<b>.0849078</b>	<b>.1416848</b>
c.timew1w3#c.w1Agecent48	<b>.0092585</b>	<b>.0031139</b>	<b>2.97</b>	<b>0.003</b>	<b>.0031553</b>	<b>.0153616</b>
timew1w3	<b>0</b>	(omitted)				
Sex						
Men	<b>-.9606341</b>	<b>.258265</b>	<b>-3.72</b>	<b>0.000</b>	<b>-1.466834</b>	<b>-.4544338</b>
Sex#c.timew1w3						
Men	<b>.0487921</b>	<b>.0549859</b>	<b>0.89</b>	<b>0.375</b>	<b>-.0589816</b>	<b>.1565657</b>
timew1w3	<b>0</b>	(omitted)				
Race						
AfrAm	<b>.6396777</b>	<b>.2539662</b>	<b>2.52</b>	<b>0.012</b>	<b>.1419109</b>	<b>1.137444</b>

Race#c.timew1w3						
AfrAm	.1476923	.0546636	2.70	0.007	.0405524	.2548323
timew1w3	0 (omitted)					
PovStat						
Below	.0865447	.2608505	0.33	0.740	-.424713	.5978025
PovStat#c.timew1w3						
Below	.0615412	.0549142	1.12	0.262	-.0460887	.1691712
timew1w3	0 (omitted)					
w1edubr						
2	-.6338265	.5117812	-1.24	0.216	-1.63708	.3694271
3	-1.398098	.561829	-2.49	0.013	-2.499732	-.2964636
w1edubr#c.timew1w3						
2	-.1568188	.1068386	-1.47	0.142	-.3662232	.0525857
3	-.1383147	.1167578	-1.18	0.236	-.3671589	.0905294
timew1w3	0 (omitted)					
w1WRATtotalcent42	-.1479914	.0177322	-8.35	0.000	-.1827589	-.1132239
c.timew1w3#c.w1WRATtotalcent42	-.0036042	.0037234	-0.97	0.333	-.010902	.0036936
timew1w3	0 (omitted)					
1.w1smoke	.2610716	.2785712	0.94	0.349	-.2870628	.809206
w1smoke#c.timew1w3						
1	-.0379095	.059465	-0.64	0.524	-.1544772	.0786581
timew1w3	0 (omitted)					
1.w1currdrugs	-.301174	.3696844	-0.81	0.418	-1.040587	.4382391
w1currdrugs#c.timew1w3						
1	.0997572	.0735994	1.36	0.176	-.0448624	.2443768
timew1w3	0 (omitted)					
w1hei2010_total_scorecent43	-.0033013	.011553	-0.29	0.776	-.0262507	.0196482
c.timew1w3#c.w1hei2010_total_scorecent43	-.0036899	.0027816	-1.33	0.189	-.0092288	.001849
timew1w3	0 (omitted)					
w1BMIcon30	-.0110881	.0177533	-0.62	0.532	-.0458843	.0237081
c.timew1w3#c.w1BMIcon30	-.0036978	.0037907	-0.98	0.329	-.0111275	.0037318
timew1w3	0 (omitted)					
w1SRH						
2	-.8836626	.3345924	-2.64	0.008	-1.539454	-.2278713
3	-.8344677	.3605581	-2.31	0.021	-1.541153	-.1277822
w1SRH#c.timew1w3						
2	-.0529829	.071742	-0.74	0.460	-.193595	.0876292
3	-.0164195	.0775293	-0.21	0.832	-.1683842	.1355452
timew1w3	0 (omitted)					
w1CEScent15	.0444899	.0118273	3.76	0.000	.0213021	.0676776
c.timew1w3#c.w1CEScent15	-.000288	.0025438	-0.11	0.910	-.0052746	.0046986

	timew1w3	0 (omitted)				
w1dxHTN						
Yes	.3448848	.2828488	1.22	0.223	-.2105312	.9003007
w1dxHTN#c.timew1w3						
Yes	-.0331844	.0599326	-0.55	0.580	-.1506527	.084284
timew1w3	0 (omitted)					
w1dxDiabetes						
preDiabetes	.246315	.3270851	0.75	0.452	-.3955699	.8881998
Diabetes	.2176514	.3868547	0.56	0.574	-.5425724	.9778752
w1dxDiabetes#c.timew1w3						
preDiabetes	-.023546	.0693178	-0.34	0.734	-.1594069	.1123149
Diabetes	.0355793	.081879	0.43	0.664	-.124903	.1960616
timew1w3	0 (omitted)					
w1CVhighChol						
Yes	.0725832	.3066572	0.24	0.813	-.5308849	.6760512
w1CVhighChol#c.timew1w3						
Yes	-.0173547	.0667065	-0.26	0.795	-.1481544	.113445
timew1w3	0 (omitted)					
1.w1cvdbr	.4395449	.3374975	1.30	0.193	-.2222902	1.10138
w1cvdbr#c.timew1w3						
1	-.1629175	.0750483	-2.17	0.030	-.3100838	-.0157512
timew1w3	0 (omitted)					
invmillsmms	-.0168805	.0077421	-2.18	0.029	-.0320548	-.0017062
c.timew1w3#c.invmillsmms						
	-.0000413	.001541	-0.03	0.979	-.0030615	.002979
timew1w3	0 (omitted)					
w1HCYcenter2p15	.2407634	.5200077	0.46	0.643	-.7784392	1.259966
c.timew1w3#c.w1HCYcenter2p15						
	-.0396755	.1115118	-0.36	0.722	-.2582371	.1788862
Sex#c.w1HCYcenter2p15						
Men	-.7703139	.7487227	-1.03	0.304	-2.237784	.6971562
Sex#c.timew1w3#c.w1HCYcenter2p15						
Men	.3466641	.159724	2.17	0.030	.0336052	.6597231
_cons	7.817639	.6207484	12.59	0.000	6.600753	9.034526

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	.6563051	.0604969	.5478211	.7862721	
sd(_cons)	3.890403	.1368335	3.63124	4.168063	
corr(timew1w3,_cons)	-.4759617	.0341611	-.540113	-.4063114	
sd(Residual)	1.96483	.2010259	1.607801	2.401141	

```

430 .
431 .
432 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> imew1w3##w1CVhighChol c.timew1w3##w1cvnbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4eobs==1 || HNDID: timew1w3, cov(un)

```

Multiple-imputation estimates                    Imputations = 5  
 Mixed-effects ML regression                    Number of obs = 2,486

Group variable: HNDID                        Number of groups = 1,418  
 Obs per group:  
     min = 1  
     avg = 1.8  
     max = 2  
     Average RVI = 0.0345  
     Largest FMI = 0.2810

DF adjustment: Large sample                   DF: min = 60.31  
     avg = 2672379.31  
     max = 7.33e+07

Model F test: Equal FMI                      F( 45, 127708.5) = 9.72  
 Prob > F = 0.0000

	Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	-.0166133	.0666869	-0.25	0.803	-.1473204 .1140938
	w1Agecent48	-.01501	.0069201	-2.17	0.030	-.0285737 -.0014463
	c.timew1w3##c.w1Agecent48	-.0026507	.0015858	-1.67	0.095	-.0057589 .0004575
	timew1w3	0	(omitted)			
	Sex					
	Men	-.2455677	.1232177	-1.99	0.046	-.4870699 -.0040655
	Sex##c.timew1w3					
	Men	-.014948	.027927	-0.54	0.592	-.069684 .0397879
	timew1w3	0	(omitted)			
	Race					
	AfrAm	-.716527	.1217684	-5.88	0.000	-.9551918 -.4778621
	Race##c.timew1w3					
	AfrAm	.0468883	.0277778	1.69	0.091	-.0075552 .1013317
	timew1w3	0	(omitted)			
	PovStat					
	Below	-.0716652	.1248362	-0.57	0.566	-.3163403 .1730098
	PovStat##c.timew1w3					
	Below	-.0439568	.0280265	-1.57	0.117	-.0988886 .0109749
	timew1w3	0	(omitted)			
	w1edubr					
	2	.3959776	.2447626	1.62	0.106	-.0837887 .875744
	3	.5292087	.2664353	1.99	0.047	.0069263 1.051491
	w1edubr##c.timew1w3					

		2	<b>- .0112825</b>	<b>.0549097</b>	<b>-0.21</b>	<b>0.837</b>	<b>-.1189179</b>	<b>.0963529</b>
		3	<b>- .0385877</b>	<b>.059495</b>	<b>-0.65</b>	<b>0.517</b>	<b>-.155202</b>	<b>.0780265</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1WRATtotalcent42			<b>.0698327</b>	<b>.008382</b>	<b>8.33</b>	<b>0.000</b>	<b>.0534041</b>	<b>.0862613</b>
c.timew1w3#c.w1WRATtotalcent42			<b>.0035451</b>	<b>.0019256</b>	<b>1.84</b>	<b>0.066</b>	<b>-.0002291</b>	<b>.0073193</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
1.w1smoke			<b>-.1338138</b>	<b>.1365172</b>	<b>-0.98</b>	<b>0.328</b>	<b>-.4032308</b>	<b>.1356033</b>
w1smoke#c.timew1w3								
1			<b>-.0214393</b>	<b>.0304315</b>	<b>-0.70</b>	<b>0.481</b>	<b>-.081115</b>	<b>.0382364</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
1.w1currdrugs			<b>.3397578</b>	<b>.1531692</b>	<b>2.22</b>	<b>0.027</b>	<b>.03946</b>	<b>.6400557</b>
w1currdrugs#c.timew1w3								
1			<b>-.0263098</b>	<b>.0355116</b>	<b>-0.74</b>	<b>0.459</b>	<b>-.0959157</b>	<b>.0432961</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1hei2010_total_scorecent43			<b>-.0049669</b>	<b>.005473</b>	<b>-0.91</b>	<b>0.365</b>	<b>-.0157692</b>	<b>.0058354</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0002492</b>	<b>.0012447</b>	<b>0.20</b>	<b>0.841</b>	<b>-.0021906</b>	<b>.0026889</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1BMIcon30			<b>-.0162247</b>	<b>.0085556</b>	<b>-1.90</b>	<b>0.058</b>	<b>-.0329942</b>	<b>.0005448</b>
c.timew1w3#c.w1BMIcon30			<b>.0003455</b>	<b>.0019182</b>	<b>0.18</b>	<b>0.857</b>	<b>-.003414</b>	<b>.0041051</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1SRH								
2			<b>.4616502</b>	<b>.159976</b>	<b>2.89</b>	<b>0.004</b>	<b>.1480961</b>	<b>.7752044</b>
3			<b>.3781283</b>	<b>.1723573</b>	<b>2.19</b>	<b>0.028</b>	<b>.0402938</b>	<b>.7159628</b>
w1SRH#c.timew1w3								
2			<b>-.0326523</b>	<b>.0366756</b>	<b>-0.89</b>	<b>0.373</b>	<b>-.1045354</b>	<b>.0392308</b>
3			<b>-.0065384</b>	<b>.0395453</b>	<b>-0.17</b>	<b>0.869</b>	<b>-.0840511</b>	<b>.0709742</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1CEScent15								
	timew1w3		<b>-.0075343</b>	<b>.0055688</b>	<b>-1.35</b>	<b>0.176</b>	<b>-.0184493</b>	<b>.0033808</b>
c.timew1w3#c.w1CEScent15			<b>-.0005045</b>	<b>.0012675</b>	<b>-0.40</b>	<b>0.691</b>	<b>-.0029888</b>	<b>.0019798</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1dxHTN								
Yes			<b>.0594553</b>	<b>.1349037</b>	<b>0.44</b>	<b>0.659</b>	<b>-.2051419</b>	<b>.3240524</b>
w1dxHTN#c.timew1w3								
Yes			<b>-.0440535</b>	<b>.0308002</b>	<b>-1.43</b>	<b>0.153</b>	<b>-.1044256</b>	<b>.0163186</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1dxDiabetes								
preDiabetes			<b>-.2557629</b>	<b>.1518453</b>	<b>-1.68</b>	<b>0.092</b>	<b>-.5533757</b>	<b>.0418498</b>
Diabetes			<b>-.3310793</b>	<b>.1882376</b>	<b>-1.76</b>	<b>0.079</b>	<b>-.7010838</b>	<b>.0389252</b>
w1dxDiabetes#c.timew1w3								
preDiabetes			<b>.0718814</b>	<b>.0353551</b>	<b>2.03</b>	<b>0.042</b>	<b>.0025866</b>	<b>.1411762</b>
Diabetes			<b>-.0263699</b>	<b>.0417507</b>	<b>-0.63</b>	<b>0.528</b>	<b>-.1082092</b>	<b>.0554695</b>

	timew1w3	0 (omitted)					
w1CVhighChol							
Yes	.1352684	.1528254	0.89	0.378	-.166713	.4372498	
w1CVhighChol#c.timew1w3							
Yes	.025476	.0343576	0.74	0.459	-.0419145	.0928664	
timew1w3		0 (omitted)					
1.w1cvdbr	.0481161	.1844108	0.26	0.795	-.3207217	.416954	
w1cvdbr#c.timew1w3							
1	.0201977	.0410611	0.49	0.624	-.0610971	.1014926	
timew1w3		0 (omitted)					
invmillsmms	.0026296	.0035274	0.75	0.456	-.004284	.0095433	
c.timew1w3#c.invmillsmms							
	-.0007537	.0007319	-1.03	0.303	-.0021881	.0006808	
timew1w3		0 (omitted)					
w1HCYcenter2p15	.1426801	.2621397	0.54	0.586	-.3711054	.6564655	
c.timew1w3#c.w1HCYcenter2p15							
	.0088424	.0594477	0.15	0.882	-.107673	.1253579	
Sex#c.w1HCYcenter2p15							
Men	-.4586505	.3665833	-1.25	0.211	-1.177141	.2598401	
Sex#c.timew1w3#c.w1HCYcenter2p15							
Men	-.009583	.083881	-0.11	0.909	-.1739869	.1548209	
_cons	6.532728	.2940721	22.21	0.000	5.956352	7.109105	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.1281723	.0910504	.0318509	.5157833
sd(_cons)	1.413723	.1085904	1.216136	1.643413
corr(timew1w3,_cons)	-.1135644	.2502814	-.5448371	.3652201
sd(Residual)	1.345392	.099385	1.164046	1.554991

433 .  
434 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15##Sex ///  
> if sample4fobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,773

Group variable: HNDID

	Number of groups =	1,446
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	0.0530
	Largest FMI =	0.2796
DF adjustment:	Large sample	DF: min = 60.89
		avg = 1389014.22
		max = 6.26e+07
Model F test:	Equal FMI	F( 45, 56390.1) = 8.70
		Prob > F = 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	- .0004902	.1342363	-0.00	0.997	-.2636693 .2626889
w1Agecent48	- .0900588	.0164905	-5.46	0.000	-.1223935 -.0577241
c.timew1w3#c.w1Agecent48	- .0021947	.0031986	-0.69	0.493	-.0084639 .0040746
timew1w3	0 (omitted)				
Sex					
Men	1.151049	.2889841	3.98	0.000	.5846417 1.717455
Sex#c.timew1w3					
Men	- .0033172	.0561971	-0.06	0.953	-.113462 .1068275
timew1w3	0 (omitted)				
Race					
AfrAm	-1.464751	.2873303	-5.10	0.000	-2.027942 -.9015597
Race#c.timew1w3					
AfrAm	- .0132967	.0564486	-0.24	0.814	-.1239399 .0973464
timew1w3	0 (omitted)				
PovStat					
Below	- .4054109	.2942576	-1.38	0.168	-.9821613 .1713394
PovStat#c.timew1w3					
Below	.0069494	.0563519	0.12	0.902	-.1034999 .1173987
timew1w3	0 (omitted)				
w1edubr					
2	- .4012806	.5726001	-0.70	0.483	-1.523652 .7210912
3	.833778	.6216577	1.34	0.180	-.3847024 2.052258
w1edubr#c.timew1w3					
2	.0905176	.1108932	0.82	0.415	-.1270353 .3080706
3	.0600775	.1220948	0.49	0.623	-.1794877 .2996427
timew1w3	0 (omitted)				
w1WRATtotalcent42	.1560785	.0194461	8.03	0.000	.1179645 .1941926
c.timew1w3#c.w1WRATtotalcent42	.0027047	.0038048	0.71	0.477	-.004753 .0101623
timew1w3	0 (omitted)				
1.w1smoke	- .4046367	.3304993	-1.22	0.225	-1.064143 .2548697

w1smoke#c.timew1w3						
1	.0188698	.0626427	0.30	0.763	-.1041245	.1418642
timew1w3	0 (omitted)					
1.w1currdrugs	.4372739	.3816413	1.15	0.254	-.3173666	1.191914
w1currdrugs#c.timew1w3						
1	-.0297859	.0727252	-0.41	0.682	-.1724131	.1128414
timew1w3	0 (omitted)					
w1hei2010_total_scorecent43	.0251204	.012988	1.93	0.058	-.0008517	.0510924
c.timew1w3#c.w1hei2010_total_scorecent43						
timew1w3	0 (omitted)					
w1BMIcon30	.0186169	.0203288	0.92	0.360	-.0212581	.0584918
c.timew1w3#c.w1BMIcon30						
timew1w3	0 (omitted)					
w1SRH						
2	-.0138717	.3741685	-0.04	0.970	-.7472568	.7195134
3	.1795709	.4029199	0.45	0.656	-.610189	.9693308
w1SRH#c.timew1w3						
2	.0305338	.0734155	0.42	0.677	-.1133608	.1744285
3	-.0355332	.0784912	-0.45	0.651	-.1893748	.1183083
timew1w3	0 (omitted)					
w1CEScent15						
timew1w3	0 (omitted)					
w1CEScent15	-.0348285	.0130162	-2.68	0.007	-.0603414	-.0093155
c.timew1w3#c.w1CEScent15						
timew1w3	0 (omitted)					
w1dxHTN						
Yes	.4388866	.3159076	1.39	0.165	-.1812709	1.059044
w1dxHTN#c.timew1w3						
Yes	-.0681831	.0624459	-1.09	0.275	-.1906296	.0542633
timew1w3	0 (omitted)					
w1dxDiabetes						
preDiabetes						
Diabetes						
w1dxDiabetes	-.0898387	.3601709	-0.25	0.803	-.7959919	.6163146
preDiabetes	-.039245	.4146677	-0.09	0.925	-.8520477	.7735576
w1dxDiabetes#c.timew1w3						
preDiabetes	.0150536	.0721682	0.21	0.835	-.1264391	.1565463
Diabetes	.0716235	.0858438	0.83	0.404	-.096786	.2400331
timew1w3	0 (omitted)					
w1CVhighChol						
Yes	.0832044	.3662869	0.23	0.821	-.6485884	.8149972
w1CVhighChol#c.timew1w3						
Yes	.0479183	.0738263	0.65	0.517	-.0978773	.193714
timew1w3	0 (omitted)					
1.w1cvdbr	.190078	.3736571	0.51	0.611	-.5432749	.9234309

w1cvdbr#c.timew1w3 1	<b>- .0239351</b>	<b>.0768171</b>	<b>-0.31</b>	<b>0.755</b>	<b>-.1746211</b>	<b>.1267509</b>
timew1w3 invmillsmms	<b>0</b> (omitted) <b>.0096782</b>	<b>.0088513</b>	<b>1.09</b>	<b>0.274</b>	<b>-.00767</b>	<b>.0270265</b>
c.timew1w3#c.invmillsmms	<b>-.0014758</b>	<b>.0015862</b>	<b>-0.93</b>	<b>0.352</b>	<b>-.0045848</b>	<b>.0016331</b>
timew1w3 w1HCYcenter2p15	<b>0</b> (omitted) <b>-.7159726</b>	<b>.5831908</b>	<b>-1.23</b>	<b>0.220</b>	<b>-1.859009</b>	<b>.4270641</b>
c.timew1w3#c.w1HCYcenter2p15	<b>.0678419</b>	<b>.1153128</b>	<b>0.59</b>	<b>0.556</b>	<b>-.1581677</b>	<b>.2938515</b>
Sex#c.w1HCYcenter2p15 Men	<b>1.486603</b>	<b>.8364128</b>	<b>1.78</b>	<b>0.076</b>	<b>-.1527374</b>	<b>3.125943</b>
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	<b>-.2151255</b>	<b>.1626523</b>	<b>-1.32</b>	<b>0.186</b>	<b>-.5339184</b>	<b>.1036675</b>
_cons	<b>19.03853</b>	<b>.690489</b>	<b>27.57</b>	<b>0.000</b>	<b>17.68507</b>	<b>20.39199</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.2731197</b>	<b>.164684</b>	<b>.0837697</b> <b>.890469</b>
sd(_cons)	<b>3.955461</b>	<b>.1666608</b>	<b>3.641934</b> <b>4.295978</b>
corr(timew1w3,_cons)	<b>-.1586073</b>	<b>.1405523</b>	<b>-.4157527</b> <b>.1220196</b>
sd(Residual)	<b>2.90105</b>	<b>.1735451</b>	<b>2.58008</b> <b>3.26195</b>

```

435 .
436 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4gobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Number of groups = 1,443
Number of obs = 2,717
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI = .
    Largest FMI = .
    DF: min = 0.00
    avg = .
    max = .
F( 45,39062.1) = 11.19
Prob > F = 0.0000

```

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0127521	.0524338	0.24	0.808	-.0900166 .1155208
w1Agecent48	-.007676	.0063343	-1.21	0.226	-.0200926 .0047407
c.timew1w3#c.w1Agecent48	-.0032435	.0012714	-2.55	0.011	-.0057356 -.0007513
timew1w3	0 (omitted)				
Sex Men	.1962887	.1121169	1.75	0.080	-.0234631 .4160406
Sex#c.timew1w3 Men	-.0408125	.0223026	-1.83	0.067	-.0845259 .0029008
timew1w3	0 (omitted)				
Race AfrAm	-.2966098	.1116337	-2.66	0.008	-.5154742 -.0777455
Race#c.timew1w3 AfrAm	-.0133802	.0220872	-0.61	0.545	-.0566705 .02991
timew1w3	0 (omitted)				
PovStat Below	-.0935826	.1132041	-0.83	0.408	-.3154653 .1283002
PovStat#c.timew1w3 Below	-.0196229	.0221722	-0.89	0.376	-.0630801 .0238343
timew1w3	0 (omitted)				
w1edubr 2	-.1111663	.2211854	-0.50	0.615	-.5446893 .3223567
3	.1647058	.2406757	0.68	0.494	-.3070316 .6364431
w1edubr#c.timew1w3 2	-.0011633	.0425332	-0.03	0.978	-.0845274 .0822007
3	-.020625	.0466953	-0.44	0.659	-.1121475 .0708976
timew1w3	0 (omitted)				
w1WRATtotalcent42	.1119119	.0075831	14.76	0.000	.0970478 .1267761
c.timew1w3#c.w1WRATtotalcent42	.000237	.0015056	0.16	0.875	-.002714 .003188
timew1w3	0 (omitted)				
1.w1smoke	.1804595	.1228132	1.47	0.144	-.0626622 .4235812
w1smoke#c.timew1w3 1	-.0122429	.0247563	-0.49	0.621	-.0608512 .0363654
timew1w3	0 (omitted)				
1.w1currdrugs	.4051052	.1772787	2.29	0.032	.0372471 .7729632
w1currdrugs#c.timew1w3 1	-.0056341	.0301217	-0.19	0.852	-.0649288 .0536607
timew1w3	0 (omitted)				
w1hei2010_total_scorecent43	.0019015	.0047171	0.40	0.687	-.0074018 .0112048
c.timew1w3#c.w1hei2010_total_scorecent43	.0000201	.0011082	0.02	0.986	-.0021779 .0022182

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0091436</b>	<b>.0078806</b>	<b>-1.16</b>	<b>0.246</b>	<b>-.0246022</b>	<b>.0063151</b>
c.timew1w3#c.w1BMIcon30		<b>- .0014867</b>	<b>.0015409</b>	<b>-0.96</b>	<b>0.335</b>	<b>-.0045072</b>	<b>.0015339</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>- .0042175</b>	<b>.1443382</b>	<b>-0.03</b>	<b>0.977</b>	<b>-.2871163</b>	<b>.2786812</b>
3		<b>.0690469</b>	<b>.1560435</b>	<b>0.44</b>	<b>0.658</b>	<b>-.236831</b>	<b>.3749249</b>
w1SRH#c.timew1w3							
2		<b>.0257542</b>	<b>.0291801</b>	<b>0.88</b>	<b>0.377</b>	<b>-.0314377</b>	<b>.0829461</b>
3		<b>.0171038</b>	<b>.0314614</b>	<b>0.54</b>	<b>0.587</b>	<b>-.0445634</b>	<b>.078771</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>- .0044426</b>	<b>.0050487</b>	<b>-0.88</b>	<b>0.379</b>	<b>-.0143393</b>	<b>.0054541</b>
c.timew1w3#c.w1CEScent15		<b>.0000913</b>	<b>.0010241</b>	<b>0.09</b>	<b>0.929</b>	<b>-.0019163</b>	<b>.0020989</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.0702624</b>	<b>.1196995</b>	<b>0.59</b>	<b>0.557</b>	<b>-.1643711</b>	<b>.3048959</b>
w1dxHTN#c.timew1w3							
Yes		<b>- .0021313</b>	<b>.0247856</b>	<b>-0.09</b>	<b>0.931</b>	<b>-.0507289</b>	<b>.0464663</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>-.0968988</b>	<b>.1397328</b>	<b>-0.69</b>	<b>0.488</b>	<b>-.3708749</b>	<b>.1770773</b>
Diabetes		<b>-.0678309</b>	<b>.1681774</b>	<b>-0.40</b>	<b>0.687</b>	<b>-.3982464</b>	<b>.2625846</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0318085</b>	<b>.0281705</b>	<b>1.13</b>	<b>0.259</b>	<b>-.0234067</b>	<b>.0870237</b>
Diabetes		<b>.0041162</b>	<b>.034757</b>	<b>0.12</b>	<b>0.906</b>	<b>-.0641068</b>	<b>.0723391</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>-.0949363</b>	<b>.1340304</b>	<b>-0.71</b>	<b>0.480</b>	<b>-.3597375</b>	<b>.169865</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0099281</b>	<b>.0281946</b>	<b>0.35</b>	<b>0.725</b>	<b>-.0455015</b>	<b>.0653577</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>-.1192348</b>	<b>.1454282</b>	<b>-0.82</b>	<b>0.413</b>	<b>-.4046716</b>	<b>.1662021</b>
w1cvdbr#c.timew1w3							
1		<b>-.0034951</b>	<b>.0301359</b>	<b>-0.12</b>	<b>0.908</b>	<b>-.0625755</b>	<b>.0555853</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.0060221</b>	<b>.0034014</b>	<b>1.77</b>	<b>0.077</b>	<b>-.0006446</b>	<b>.0126887</b>
c.timew1w3#c.invmillsmms		<b>-.000548</b>	<b>.000617</b>	<b>-0.89</b>	<b>0.374</b>	<b>-.0017573</b>	<b>.0006613</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>.0143919</b>	<b>.2280606</b>	<b>0.06</b>	<b>0.950</b>	<b>-.4326068</b>	<b>.4613907</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0488463</b>	<b>.0465134</b>	<b>-1.05</b>	<b>0.294</b>	<b>-.1400117</b>	<b>.0423191</b>

Sex#c.w1HCYcenter2p15 Men	<b>-.1207424</b>	.3265803	-0.37	0.712	-.7608304	.5193456
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	<b>.0507726</b>	.0658564	0.77	0.441	-.0783043	.1798496
_cons	<b>7.230702</b>	.2679872	26.98	0.000	6.705398	7.756007

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0177458</b>	.	.
sd(_cons)	<b>1.474426</b>	.	.
corr(timew1w3,_cons)	<b>.999999</b>	.	.
sd(Residual)	<b>1.190525</b>	.	.

437 .  
438 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15##Sex ///  
> if sample4hobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,704

Group variable: HNDID

Number of groups	=	1,444
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F(	45,33688.1)	=	15.60
Prob > F	=	0.0000	

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.023</b>	.0550783	-0.42	0.676	-.1309833 .0849833
w1Agecent48	<b>-.0154907</b>	.0061813	-2.51	0.012	-.0276089 -.0033726
c.timew1w3#c.w1Agecent48	<b>-.0016896</b>	.0013097	-1.29	0.197	-.0042567 .0008775
timew1w3	<b>0</b>	(omitted)			
Sex					
Men	<b>-.0628149</b>	.108613	-0.58	0.563	-.2756943 .1500645
Sex#c.timew1w3					
Men	<b>-.0266659</b>	.0230256	-1.16	0.247	-.0717953 .0184635
timew1w3	<b>0</b>	(omitted)			
Race					
AfrAm	<b>-.5350067</b>	.1066007	-5.02	0.000	-.7439408 -.3260726

Race#c.timew1w3						
AfrAm	<b>- .0257464</b>	<b>.022858</b>	<b>-1.13</b>	<b>0.260</b>	<b>-.0705478</b>	<b>.0190549</b>
timew1w3	0 (omitted)					
PovStat Below	<b>-.0969901</b>	<b>.1100637</b>	<b>-0.88</b>	<b>0.378</b>	<b>-.3127242</b>	<b>.118744</b>
PovStat#c.timew1w3						
Below	<b>-.0028437</b>	<b>.0229601</b>	<b>-0.12</b>	<b>0.901</b>	<b>-.0478453</b>	<b>.0421579</b>
timew1w3	0 (omitted)					
w1edubr						
2	<b>-.2193311</b>	<b>.2141877</b>	<b>-1.02</b>	<b>0.306</b>	<b>-.6391333</b>	<b>.2004712</b>
3	<b>.1235016</b>	<b>.233117</b>	<b>0.53</b>	<b>0.596</b>	<b>-.3334032</b>	<b>.5804064</b>
w1edubr#c.timew1w3						
2	<b>.0576746</b>	<b>.0440061</b>	<b>1.31</b>	<b>0.190</b>	<b>-.028576</b>	<b>.1439253</b>
3	<b>.0285056</b>	<b>.0482256</b>	<b>0.59</b>	<b>0.554</b>	<b>-.066015</b>	<b>.1230262</b>
timew1w3	0 (omitted)					
w1WRATtotalcent42	<b>.122632</b>	<b>.0073354</b>	<b>16.72</b>	<b>0.000</b>	<b>.1082548</b>	<b>.1370091</b>
c.timew1w3#c.w1WRATtotalcent42						
timew1w3	0 (omitted)					
1.w1smoke	<b>-.0084654</b>	<b>.1241262</b>	<b>-0.07</b>	<b>0.946</b>	<b>-.2552893</b>	<b>.2383586</b>
w1smoke#c.timew1w3						
1	<b>.002099</b>	<b>.0278951</b>	<b>0.08</b>	<b>0.940</b>	<b>-.0534063</b>	<b>.0576042</b>
timew1w3	0 (omitted)					
1.w1currdrugs	<b>.096071</b>	<b>.1458455</b>	<b>0.66</b>	<b>0.511</b>	<b>-.1924074</b>	<b>.3845494</b>
w1currdrugs#c.timew1w3						
1	<b>.026773</b>	<b>.0303093</b>	<b>0.88</b>	<b>0.377</b>	<b>-.0327212</b>	<b>.0862672</b>
timew1w3	0 (omitted)					
w1hei2010_total_scorecent43	<b>-.0007697</b>	<b>.00507</b>	<b>-0.15</b>	<b>0.880</b>	<b>-.0109249</b>	<b>.0093855</b>
c.timew1w3#c.w1hei2010_total_scorecent43						
timew1w3	0 (omitted)					
w1BMIconcent30	<b>-.0036073</b>	<b>.0076053</b>	<b>-0.47</b>	<b>0.635</b>	<b>-.01852</b>	<b>.0113054</b>
c.timew1w3#c.w1BMIconcent30						
timew1w3	0 (omitted)					
w1SRH						
2	<b>-.0005074</b>	<b>.1409488</b>	<b>-0.00</b>	<b>0.997</b>	<b>-.276783</b>	<b>.2757683</b>
3	<b>.1156169</b>	<b>.1548367</b>	<b>0.75</b>	<b>0.455</b>	<b>-.188182</b>	<b>.4194158</b>
w1SRH#c.timew1w3						
2	<b>-.0225413</b>	<b>.0301411</b>	<b>-0.75</b>	<b>0.455</b>	<b>-.0816179</b>	<b>.0365353</b>
3	<b>-.025049</b>	<b>.0325496</b>	<b>-0.77</b>	<b>0.442</b>	<b>-.0888519</b>	<b>.0387538</b>
timew1w3	0 (omitted)					
w1CEScent15	<b>-.003126</b>	<b>.0048637</b>	<b>-0.64</b>	<b>0.520</b>	<b>-.0126588</b>	<b>.0064067</b>
c.timew1w3#c.w1CEScent15						
timew1w3	0 (omitted)					

	timew1w3	0 (omitted)				
w1dxHTN						
Yes	<b>-.0424883</b>	<b>.1176339</b>	<b>-0.36</b>	<b>0.718</b>	<b>-.2731403</b>	<b>.1881637</b>
w1dxHTN#c.timew1w3						
Yes	<b>.0064792</b>	<b>.0254829</b>	<b>0.25</b>	<b>0.799</b>	<b>-.0434749</b>	<b>.0564333</b>
timew1w3	0 (omitted)					
w1dxDiabetes						
preDiabetes	<b>.2355675</b>	<b>.1345175</b>	<b>1.75</b>	<b>0.080</b>	<b>-.0280956</b>	<b>.4992305</b>
Diabetes	<b>-.1148187</b>	<b>.1705768</b>	<b>-0.67</b>	<b>0.502</b>	<b>-.451682</b>	<b>.2220447</b>
w1dxDiabetes#c.timew1w3						
preDiabetes	<b>.0031213</b>	<b>.0291628</b>	<b>0.11</b>	<b>0.915</b>	<b>-.054039</b>	<b>.0602815</b>
Diabetes	<b>-.0160548</b>	<b>.0355616</b>	<b>-0.45</b>	<b>0.652</b>	<b>-.0858073</b>	<b>.0536977</b>
timew1w3	0 (omitted)					
w1CVhighChol						
Yes	<b>-.0671279</b>	<b>.1281351</b>	<b>-0.52</b>	<b>0.601</b>	<b>-.3190176</b>	<b>.1847617</b>
w1CVhighChol#c.timew1w3						
Yes	<b>.027761</b>	<b>.0306381</b>	<b>0.91</b>	<b>0.367</b>	<b>-.0328817</b>	<b>.0884037</b>
timew1w3	0 (omitted)					
1.w1cvdbr	<b>-.0218314</b>	<b>.1882949</b>	<b>-0.12</b>	<b>0.909</b>	<b>-.4161663</b>	<b>.3725034</b>
w1cvdbr#c.timew1w3						
1	<b>.0301464</b>	<b>.0348399</b>	<b>0.87</b>	<b>0.389</b>	<b>-.0391921</b>	<b>.0994849</b>
timew1w3	0 (omitted)					
invmillsmms	<b>.005051</b>	<b>.0032925</b>	<b>1.53</b>	<b>0.125</b>	<b>-.0014022</b>	<b>.0115042</b>
c.timew1w3#c.invmillsmms						
	<b>-.000401</b>	<b>.0006382</b>	<b>-0.63</b>	<b>0.530</b>	<b>-.0016517</b>	<b>.0008498</b>
timew1w3	0 (omitted)					
w1HCYcenter2p15	<b>-.0625022</b>	<b>.2213468</b>	<b>-0.28</b>	<b>0.778</b>	<b>-.4963407</b>	<b>.3713363</b>
c.timew1w3#c.w1HCYcenter2p15						
	<b>.0375481</b>	<b>.0477846</b>	<b>0.79</b>	<b>0.432</b>	<b>-.0561085</b>	<b>.1312046</b>
Sex#c.w1HCYcenter2p15						
Men	<b>.0697951</b>	<b>.3160701</b>	<b>0.22</b>	<b>0.825</b>	<b>-.5496914</b>	<b>.6892816</b>
Sex#c.timew1w3#c.w1HCYcenter2p15						
Men	<b>-.0554253</b>	<b>.0678269</b>	<b>-0.82</b>	<b>0.414</b>	<b>-.1883637</b>	<b>.0775131</b>
_cons	<b>5.944159</b>	<b>.2629428</b>	<b>22.61</b>	<b>0.000</b>	<b>5.428568</b>	<b>6.459751</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.004929</b>	.	.
sd(_cons)	<b>1.352467</b>	.	.
corr(timew1w3,_cons)	<b>-.9999938</b>	.	.
sd(Residual)	<b>1.234979</b>	.	.

439 .

```
440 . mi estimate: mixed clock_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> imew1w3##w1CVhighChol c.timew1w3##w1cvnbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4iobs==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,767

Group variable: HNDID

Number of groups = 1,445  
Obs per group:  
min = 1  
avg = 1.9  
max = 2  
Average RVI = 0.0485  
Largest FMI = 0.2861

DF adjustment: Large sample

DF: min = 58.28  
avg = 1772456.15  
max = 4.66e+07

Model F test: Equal FMI

F( 45, 66526.9) = 5.45  
Prob > F = 0.0000

	clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-.062222</b>	<b>.0423734</b>	<b>-1.47</b>	<b>0.142</b>	<b>-.1453037</b> <b>.0208597</b>
	w1Agecent48	<b>-.002968</b>	<b>.003784</b>	<b>-0.78</b>	<b>0.433</b>	<b>-.0103845</b> <b>.0044485</b>
	c.timew1w3##c.w1Agecent48	<b>-.0010305</b>	<b>.0010064</b>	<b>-1.02</b>	<b>0.306</b>	<b>-.0030032</b> <b>.0009422</b>
	timew1w3	0	(omitted)			
	Sex					
	Men	<b>.0774448</b>	<b>.0670267</b>	<b>1.16</b>	<b>0.248</b>	<b>-.0539254</b> <b>.2088151</b>
	Sex##c.timew1w3					
	Men	<b>.0165617</b>	<b>.017625</b>	<b>0.94</b>	<b>0.347</b>	<b>-.0179832</b> <b>.0511066</b>
	timew1w3	0	(omitted)			
	Race					
	AfrAm	<b>-.3285199</b>	<b>.0661772</b>	<b>-4.96</b>	<b>0.000</b>	<b>-.4582251</b> <b>-.1988147</b>
	Race##c.timew1w3					
	AfrAm	<b>.020193</b>	<b>.0175216</b>	<b>1.15</b>	<b>0.249</b>	<b>-.014149</b> <b>.054535</b>
	timew1w3	0	(omitted)			
	PovStat					
	Below	<b>.0719388</b>	<b>.0681884</b>	<b>1.06</b>	<b>0.291</b>	<b>-.0617084</b> <b>.2055861</b>
	PovStat##c.timew1w3					
	Below	<b>-.0029604</b>	<b>.0175858</b>	<b>-0.17</b>	<b>0.866</b>	<b>-.0374281</b> <b>.0315072</b>
	timew1w3	0	(omitted)			
	w1edubr					
	2	<b>-.0446356</b>	<b>.1359638</b>	<b>-0.33</b>	<b>0.743</b>	<b>-.3111989</b> <b>.2219276</b>
	3	<b>.1437441</b>	<b>.147696</b>	<b>0.97</b>	<b>0.330</b>	<b>-.1458</b> <b>.4332881</b>
	w1edubr##c.timew1w3					
	2	<b>.0471523</b>	<b>.034375</b>	<b>1.37</b>	<b>0.170</b>	<b>-.0202304</b> <b>.114535</b>

	3	.0582069	.0376722	1.55	0.122	-.0156387	.1320526
	timew1w3	0	(omitted)				
w1WRATtotalcent42		.0278222	.0045895	6.06	0.000	.0188261	.0368184
c.timew1w3#c.w1WRATtotalcent42		-.0011962	.0012053	-0.99	0.321	-.0035593	.001167
	timew1w3	0	(omitted)				
1.w1smoke		-.0390174	.0749607	-0.52	0.603	-.1866076	.1085729
	w1smoke#c.timew1w3						
1		.0116609	.0198087	0.59	0.556	-.0272898	.0506117
	timew1w3	0	(omitted)				
1.w1currdrugs		.3320167	.0936032	3.55	0.001	.1466326	.5174008
	w1currdrugs#c.timew1w3						
1		-.0607537	.0225666	-2.69	0.007	-.1049955	-.0165119
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		.0020972	.0029889	0.70	0.483	-.0037789	.0079733
c.timew1w3#c.w1hei2010_total_scorecent43		.000535	.0008446	0.63	0.527	-.0011315	.0022014
	timew1w3	0	(omitted)				
w1BMIconcept30		-.0051148	.0046837	-1.09	0.275	-.0142956	.0040661
c.timew1w3#c.w1BMIconcept30		.0012886	.0012097	1.07	0.287	-.0010825	.0036596
	timew1w3	0	(omitted)				
w1SRH							
2		.1607787	.0872602	1.84	0.065	-.0102499	.3318074
3		-.0221156	.0939159	-0.24	0.814	-.2061906	.1619594
	w1SRH#c.timew1w3						
2		.0048692	.0230501	0.21	0.833	-.0403083	.0500467
3		.0189775	.0247074	0.77	0.442	-.0294493	.0674044
	timew1w3	0	(omitted)				
w1CEScent15		-.0067787	.0030481	-2.22	0.026	-.0127532	-.0008042
c.timew1w3#c.w1CEScent15		.0007185	.0008053	0.89	0.372	-.00086	.002297
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		.0674488	.0748777	0.90	0.368	-.0795053	.2144029
w1dxHTN#c.timew1w3							
Yes		-.0375202	.0195095	-1.92	0.055	-.0757689	.0007284
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		-.0569641	.0847847	-0.67	0.502	-.223186	.1092577
Diabetes		.0662926	.1094077	0.61	0.546	-.1507843	.2833695
	w1dxDiabetes#c.timew1w3						
preDiabetes		.0184292	.0223337	0.83	0.409	-.0253495	.0622079
Diabetes		-.0487491	.0274401	-1.78	0.076	-.1026334	.0051352
	timew1w3	0	(omitted)				

w1CVhighChol Yes		<b>- .0635403</b>	<b>.0899691</b>	<b>-0.71</b>	<b>0.483</b>	<b>-.2436147</b>	<b>.1165341</b>
w1CVhighChol#c.timew1w3 Yes		<b>.0083559</b>	<b>.0224075</b>	<b>0.37</b>	<b>0.709</b>	<b>-.0357327</b>	<b>.0524444</b>
timew1w3 1.w1cvdbr		<b>0</b> (omitted)	<b>-.0924256</b>	<b>.0920348</b>	<b>-1.00</b>	<b>0.316</b>	<b>-.2731799</b>
w1cvdbr#c.timew1w3 1		<b>.0020426</b>	<b>.0258502</b>	<b>0.08</b>	<b>0.937</b>	<b>-.0490934</b>	<b>.0531785</b>
timew1w3 invmillsmms		<b>0</b> (omitted)	<b>.0008448</b>	<b>.0020685</b>	<b>0.41</b>	<b>0.683</b>	<b>-.0032093</b>
c.timew1w3#c.invmillsmms		<b>-.0002846</b>	<b>.0004963</b>	<b>-0.57</b>	<b>0.566</b>	<b>-.0012573</b>	<b>.0006882</b>
timew1w3 w1HCYcenter2p15		<b>0</b> (omitted)	<b>-.1807259</b>	<b>.1359105</b>	<b>-1.33</b>	<b>0.184</b>	<b>-.4471076</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0204957</b>	<b>.0361998</b>	<b>-0.57</b>	<b>0.571</b>	<b>-.091446</b>	<b>.0504547</b>
Sex#c.w1HCYcenter2p15 Men		<b>.259226</b>	<b>.1955762</b>	<b>1.33</b>	<b>0.185</b>	<b>-.1240968</b>	<b>.6425488</b>
Sex#c.timew1w3#c.w1HCYcenter2p15 Men		<b>-.0414055</b>	<b>.0515328</b>	<b>-0.80</b>	<b>0.422</b>	<b>-.1424079</b>	<b>.059597</b>
	<b>_cons</b>	<b>8.777621</b>	<b>.1635772</b>	<b>53.66</b>	<b>0.000</b>	<b>8.456946</b>	<b>9.098296</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	<b>.0412195</b>	<b>.0917619</b>	<b>.000525</b>	<b>3.236166</b>	
sd(_cons)	<b>.6254459</b>	<b>.0747828</b>	<b>.494782</b>	<b>.7906161</b>	
corr(timew1w3,_cons)	<b>-.0708434</b>	<b>.6024537</b>	<b>-.8504312</b>	<b>.8060975</b>	
sd(Residual)	<b>.9595982</b>	<b>.0451336</b>	<b>.8750929</b>	<b>1.052264</b>	

441 .

```
442 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4jobs==1 || HNDID: timew1w3
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,701

Group variable: HNDID

	Number of groups =	1,428
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	0.0461
	Largest FMI =	0.3403
DF adjustment:	Large sample	DF: min = 41.76
		avg = 1.30e+07
		max = 4.25e+08
Model F test:	Equal FMI	F( 45,75857.1) = 11.25
		Prob > F = 0.0000

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0062354	.0111283	0.56	0.575	-.0155766 .0280474
w1Agecent48	.0102698	.0011649	8.82	0.000	.0079865 .0125531
c.timew1w3#c.w1Agecent48	.0005492	.0002633	2.09	0.037	.0000331 .0010654
timew1w3	0 (omitted)				
Sex					
Men	.0915963	.0207013	4.42	0.000	.0510224 .1321702
Sex#c.timew1w3					
Men	.0025787	.0046413	0.56	0.578	-.0065182 .0116756
timew1w3	0 (omitted)				
Race					
AfrAm	.1627466	.0203691	7.99	0.000	.1228237 .2026694
Race#c.timew1w3					
AfrAm	-.0014008	.0045986	-0.30	0.761	-.0104138 .0076122
timew1w3	0 (omitted)				
PovStat					
Below	.050568	.0210047	2.41	0.016	.0093995 .0917366
PovStat#c.timew1w3					
Below	.0003349	.0046201	0.07	0.942	-.0087204 .0093902
timew1w3	0 (omitted)				
w1edubr					
2	-.0612714	.0421766	-1.45	0.146	-.1439679 .0214251
3	-.050261	.0458535	-1.10	0.273	-.1401763 .0396543
w1edubr#c.timew1w3					
2	-.006613	.0090821	-0.73	0.467	-.0244159 .01119
3	-.0092074	.009952	-0.93	0.355	-.0287161 .0103012
timew1w3	0 (omitted)				
w1WRATtotalcent42	-.0072631	.0014264	-5.09	0.000	-.0100588 -.0044674
c.timew1w3#c.w1WRATtotalcent42	-.0004199	.0003189	-1.32	0.188	-.0010449 .0002051
timew1w3	0 (omitted)				
1.w1smoke	-.0047841	.0233581	-0.20	0.838	-.0510001 .0414318

w1smoke#c.timew1w3						
1	.002431	.0050556	0.48	0.631	-.0074806	.0123427
timew1w3	0	(omitted)				
1.w1currdrugs	.0416047	.0270545	1.54	0.125	-.0116255	.0948349
w1currdrugs#c.timew1w3						
1	-.0049062	.0061297	-0.80	0.424	-.0169417	.0071292
timew1w3	0	(omitted)				
w1hei2010_total_scorecent43	.0003022	.0010126	0.30	0.767	-.0017417	.0023461
c.timew1w3#c.w1hei2010_total_scorecent43	.0001075	.0002294	0.47	0.640	-.0003466	.0005616
timew1w3	0	(omitted)				
w1BMIcon30	.0015426	.0014536	1.06	0.289	-.0013075	.0043928
c.timew1w3#c.w1BMIcon30	-.0004083	.0003172	-1.29	0.198	-.0010299	.0002134
timew1w3	0	(omitted)				
w1SRH						
2	-.0743829	.0269673	-2.76	0.006	-.1272379	-.0215279
3	-.0582598	.0290099	-2.01	0.045	-.1151186	-.0014011
w1SRH#c.timew1w3						
2	.000566	.0061392	0.09	0.927	-.0114666	.0125986
3	-.0026569	.0065732	-0.40	0.686	-.0155402	.0102265
timew1w3	0	(omitted)				
w1CEScent15						
0	(omitted)					
.0016592	.0009383	1.77	0.077	-.00018	.0034984	
c.timew1w3#c.w1CEScent15	.0003488	.0002114	1.65	0.099	-.0000656	.0007631
timew1w3	0	(omitted)				
w1dxHTN						
Yes	-.0172228	.0232799	-0.74	0.460	-.0629849	.0285392
w1dxHTN#c.timew1w3						
Yes	.0060774	.0051677	1.18	0.240	-.0040548	.0162096
timew1w3	0	(omitted)				
w1dxDiabetes						
preDiabetes						
Diabetes	.0180139	.0264921	0.68	0.497	-.0339652	.0699929
	.0383844	.0328447	1.17	0.244	-.0265149	.1032837
w1dxDiabetes#c.timew1w3						
preDiabetes	.0033889	.0058864	0.58	0.565	-.0081487	.0149266
Diabetes	-.0021221	.007019	-0.30	0.762	-.0158792	.011635
timew1w3	0	(omitted)				
w1CVhighChol						
Yes	-.0207245	.0279291	-0.74	0.462	-.076983	.0355339
w1CVhighChol#c.timew1w3						
Yes	.00567	.0058462	0.97	0.333	-.0058138	.0171539
timew1w3	0	(omitted)				
1.w1cvdbr	.0144353	.0280559	0.51	0.607	-.0407188	.0695893

w1cvdbr#c.timew1w3							
1	.003151	.0066897	0.47	0.638	-.0100486	.0163506	
timew1w3 invmillsmms	0 .0003673	(omitted) .0006246	0.59	0.557	-.000857	.0015915	
c.timew1w3#c.invmillsmms	-.0001523	.0001279	-1.19	0.234	-.000403	.0000984	
timew1w3 w1HCYcenter2p15	0 .1003988	(omitted) .0415368	2.42	0.016	.0189879	.1818097	
c.timew1w3#c.w1HCYcenter2p15	-.0221556	.0094642	-2.34	0.019	-.0407055	-.0036057	
Sex#c.w1HCYcenter2p15 Men	-.0426464	.0605463	-0.70	0.481	-.1613149	.0760222	
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	.0255354	.0138222	1.85	0.065	-.0015559	.0526267	
_cons	3.415816	.0511728	66.75	0.000	3.315453	3.516179	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Independent			
sd(timew1w3)	.0201011	.0066012	.0105605 .0382608
sd(_cons)	.2522255	.0077446	.237494 .2678707
sd(Residual)	.2387486	.0075994	.2243091 .2541175

```

443 .
444 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15##Sex ///
> if sample4kobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,609
Number of groups = 1,414
Obs per group:
min = 1
avg = 1.8
max = 2
Average RVI = 0.0466
Largest FMI = 0.3050
DF: min = 51.56
avg = 1116222.62
max = 3.61e+07
F( 45,72288.2) = 19.06
Prob > F = 0.0000

```

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0091811	.0174894	0.52	0.600	-.0251224 .0434845
w1Agecent48	.0154133	.0019127	8.06	0.000	.0116644 .0191622
c.timew1w3#c.w1Agecent48	.0005924	.0003984	1.49	0.137	-.0001886 .0013733
timew1w3	0	(omitted)			
Sex					
Men	.0606119	.0341469	1.78	0.076	-.0063162 .12754
Sex#c.timew1w3					
Men	-.0030393	.0070417	-0.43	0.666	-.0168413 .0107628
timew1w3	0	(omitted)			
Race					
AfrAm	.3313728	.0335579	9.87	0.000	.2656003 .3971454
Race#c.timew1w3					
AfrAm	-.0008738	.007004	-0.12	0.901	-.0146014 .0128539
timew1w3	0	(omitted)			
PovStat					
Below	.1008491	.0346437	2.91	0.004	.032948 .1687503
PovStat#c.timew1w3					
Below	.0009035	.0070877	0.13	0.899	-.0129887 .0147957
timew1w3	0	(omitted)			
w1edubr					
2	-.1119955	.0684434	-1.64	0.102	-.2461445 .0221534
3	-.1942019	.0739387	-2.63	0.009	-.3391192 -.0492846
w1edubr#c.timew1w3					
2	-.0058143	.0141453	-0.41	0.681	-.0335433 .0219148
3	-.0065541	.0153197	-0.43	0.669	-.0365843 .0234762
timew1w3	0	(omitted)			
w1WRATtotalcent42	-.0246319	.0023697	-10.39	0.000	-.0292767 -.0199871
c.timew1w3#c.w1WRATtotalcent42	-.0000386	.0005039	-0.08	0.939	-.0010262 .0009489
timew1w3	0	(omitted)			
1.w1smoke	-.0095256	.0386811	-0.25	0.806	-.0862517 .0672004
w1smoke#c.timew1w3					
1	.0081459	.0082432	0.99	0.324	-.0081244 .0244161
timew1w3	0	(omitted)			
1.w1currdrugs	-.0235635	.0464096	-0.51	0.613	-.1155749 .0684479
w1currdrugs#c.timew1w3					
1	-.0044455	.0097285	-0.46	0.648	-.0236383 .0147473
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	.000851	.0014446	0.59	0.556	-.001992 .0036939
c.timew1w3#c.w1hei2010_total_scorecent43	-.0001318	.0003727	-0.35	0.725	-.0008799 .0006163

	timew1w3	0	(omitted)				
w1BMIcon30		-.0009885	.0023486	-0.42	0.674	-.0055917	.0036148
c.timew1w3#c.w1BMIcon30		-.0006033	.0004837	-1.25	0.212	-.0015514	.0003447
	timew1w3	0	(omitted)				
w1SRH							
2		-.1390433	.0447467	-3.11	0.002	-.226755	-.0513317
3		-.0883369	.0482483	-1.83	0.067	-.1829219	.006248
w1SRH#c.timew1w3							
2		.0024023	.0094596	0.25	0.800	-.0161396	.0209442
3		-.002426	.0102788	-0.24	0.813	-.0225794	.0177274
	timew1w3	0	(omitted)				
w1CEScent15		.0068571	.0015822	4.33	0.000	.0037527	.0099615
c.timew1w3#c.w1CEScent15		-.0000599	.0003259	-0.18	0.854	-.0006987	.0005789
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		.0244618	.0371464	0.66	0.510	-.0484052	.0973288
w1dxHTN#c.timew1w3							
Yes		-.0016279	.0077114	-0.21	0.833	-.016742	.0134862
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		.0719607	.0425789	1.69	0.091	-.0115122	.1554337
Diabetes		.1064638	.0519925	2.05	0.041	.004194	.2087336
w1dxDiabetes#c.timew1w3							
preDiabetes		-.0107279	.0088976	-1.21	0.228	-.028167	.0067113
Diabetes		.0016428	.0109635	0.15	0.881	-.0198603	.0231459
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		.0014738	.0403541	0.04	0.971	-.0778743	.0808219
w1CVhighChol#c.timew1w3							
Yes		-.0025394	.0084988	-0.30	0.765	-.0191968	.014118
	timew1w3	0	(omitted)				
1.w1cvdbr		-.0694765	.044619	-1.56	0.120	-.1569887	.0180357
w1cvdbr#c.timew1w3							
1		.0158751	.0094348	1.68	0.092	-.00262	.0343701
	timew1w3	0	(omitted)				
invmillsmms		-.0024602	.0010272	-2.39	0.017	-.0044735	-.0004468
c.timew1w3#c.invmillsmms		-.0002456	.0004669	-0.53	0.599	-.0011607	.0006694
	timew1w3	0	(omitted)				
w1HCYcenter2p15		-.0596811	.0683865	-0.87	0.383	-.1937176	.0743553
c.timew1w3#c.w1HCYcenter2p15		.0052521	.0142654	0.37	0.713	-.0227085	.0332127

Sex#c.w1HCYcenter2p15 Men	.2126067	.0999322	2.13	0.033	.0167427	.4084707
Sex#c.timew1w3#c.w1HCYcenter2p15 Men	.0106037	.0205191	0.52	0.605	-.0296131	.0508206
_cons	4.550294	.0834947	54.50	0.000	4.386601	4.713988

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.0629476	.012669	.0424276	.093392
sd(_cons)	.4868113	.0215235	.4463991	.5308821
corr(timew1w3,_cons)	-.4836278	.0453333	-.567405	-.3899409
sd(Residual)	.2965724	.0283292	.2459311	.3576416

```

445 .
446 .
447 . save, replace
      file finaldata_imputed_FINAL.dta saved

448 .
449 .
450 . ****TABLE 2: HOMOCYSTEINE AT BASELINE VS. COGNITIVE CHANGE OVER TIME: WHITE*****
451 .
452 .
453 .
454 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
455 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,157

Number of groups = 620
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI = 0.0000
    Largest FMI = 0.0000
    DF: min = 2.54e+60
          avg = 4.23e+64
          max = .
    F( 11, 3.0e+67) = 6.56
    Prob > F = 0.0000

```

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0219835</b>	<b>.0231374</b>	<b>-0.95</b>	<b>0.342</b>	<b>-.067332</b> <b>.023365</b>
w1Agecent48	<b>-.009729</b>	<b>.0086412</b>	<b>-1.13</b>	<b>0.260</b>	<b>-.0266654</b> <b>.0072074</b>
c.timew1w3#c.w1Agecent48	<b>-.0043284</b>	<b>.0016946</b>	<b>-2.55</b>	<b>0.011</b>	<b>-.0076498</b> <b>-.0010071</b>
timew1w3	0	(omitted)			
Sex Men	<b>-.5259003</b>	<b>.1604877</b>	<b>-3.28</b>	<b>0.001</b>	<b>-.8404504</b> <b>-.2113503</b>
Sex#c.timew1w3 Men	<b>.0764628</b>	<b>.0315869</b>	<b>2.42</b>	<b>0.015</b>	<b>.0145535</b> <b>.1383721</b>
timew1w3	0	(omitted)			
Race White	0	(omitted)			
Race#c.timew1w3 White	0	(omitted)			
timew1w3	0	(omitted)			
PovStat Below	<b>-.5273451</b>	<b>.1705017</b>	<b>-3.09</b>	<b>0.002</b>	<b>-.8615223</b> <b>-.1931679</b>
PovStat#c.timew1w3 Below	<b>-.0294338</b>	<b>.0328107</b>	<b>-0.90</b>	<b>0.370</b>	<b>-.0937417</b> <b>.034874</b>
timew1w3 invmillsmms	0	(omitted)			
	<b>.0108648</b>	<b>.00356</b>	<b>3.05</b>	<b>0.002</b>	<b>.0038874</b> <b>.0178422</b>
c.timew1w3#c.invmillsmms	<b>-.0019203</b>	<b>.0006242</b>	<b>-3.08</b>	<b>0.002</b>	<b>-.0031438</b> <b>-.0006968</b>
timew1w3 w1HCYcenter2p15	0	(omitted)			
	<b>-.1291601</b>	<b>.2634036</b>	<b>-0.49</b>	<b>0.624</b>	<b>-.6454216</b> <b>.3871014</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0296752</b>	<b>.052817</b>	<b>-0.56</b>	<b>0.574</b>	<b>-.1331947</b> <b>.0738443</b>
_cons	<b>28.68431</b>	<b>.1156259</b>	<b>248.08</b>	<b>0.000</b>	<b>28.45768</b> <b>28.91093</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	<b>.1448343</b>	<b>.0765164</b>	<b>.0514256</b> <b>.4079095</b>
sd(_cons)	<b>1.587743</b>	<b>.0963679</b>	<b>1.409667</b> <b>1.788314</b>
corr(timew1w3,_cons)	<b>-.956725</b>	<b>.3119022</b>	<b>-1</b> <b>.9999515</b>
sd(Residual)	<b>1.063091</b>	<b>.1051861</b>	<b>.8756885</b> <b>1.2906</b>

```

456 .
457 .
458 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Imputations      =      5
Number of obs    = 1,157

Group variable: HNDID
Number of groups = 620
Obs per group:
min = 1
avg = 1.9
max = 2
Average RVI      =
Largest FMI      =
DF: min = 0.00
avg =
max =
Model F test: Equal FMI
F( 11, 1.0e+65) = 6.18
Prob > F = 0.0000

```

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.2966272	.1994774	-1.49	0.137	-.6875957 .0943413
w1Agecent48	-.1132623	.0680418	-1.66	0.096	-.2466218 .0200972
c.timew1w3#c.w1Agecent48	-.0377148	.0145615	-2.59	0.010	-.0662549 -.0091748
timew1w3	0	(omitted)			
Sex					
Men	-3.685753	1.263645	-2.92	0.004	-6.162453 -1.209054
Sex#c.timew1w3					
Men	.5500285	.271665	2.02	0.043	.0175748 1.082482
timew1w3	0	(omitted)			
Race					
White	0	(omitted)			
Race#c.timew1w3					
White	0	(omitted)			
timew1w3	0	(omitted)			
PovStat					
Below	-4.241092	1.343402	-3.16	0.002	-6.874111 -1.608073
PovStat#c.timew1w3					
Below	-.4168437	.2809135	-1.48	0.138	-.967424 .1337366
timew1w3	0	(omitted)			
invmillsmms	.0633073	.0280705	2.26	0.024	.0082901 .1183244
c.timew1w3#c.invmillsmms	-.0096477	.0052533	-1.84	0.066	-.0199439 .0006486
timew1w3	0	(omitted)			
w1HCYcenter2p15	-.5846271	2.07448	-0.28	0.778	-4.650534 3.481279
c.timew1w3#c.w1HCYcenter2p15	-.3723972	.455638	-0.82	0.414	-1.265431 .520637

_cons	84.30787	.9102281	92.62	0.000	82.52386	86.09189
-------	----------	----------	-------	-------	----------	----------

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.5332701	.	.
sd(_cons)	11.49246	.	.
corr(timew1w3,_cons)	-.9999999	.	.
sd(Residual)	9.742694	.	.

459 .

460 .

461 .

462 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4bobs==1 & Race==1 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,040
Group variable: HNDID		
Number of groups	=	615
Obs per group:		
min	=	1
avg	=	1.7
max	=	2
Average RVI	=	0.0000
Largest FMI	=	0.0000
DF adjustment: Large sample	DF:	min = 4.10e+56 avg = 3.04e+60 max = .
Model F test: Equal FMI	F( 11, 3.4e+63 )	= 48.32 Prob > F = 0.0000

cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-1.169407	.0912034	-12.82	0.000	-1.348162 -.9906513
w1Agecent48	-.1702384	.0329342	-5.17	0.000	-.2347882 -.1056886
c.timew1w3#c.w1Agecent48	-.0093015	.0066404	-1.40	0.161	-.0223163 .0037134
timew1w3	0	(omitted)			
Sex					
Men	-3.26023	.6036812	-5.40	0.000	-4.443424 -2.077037
Sex#c.timew1w3					
Men	-.07332	.1228223	-0.60	0.551	-.3140472 .1674072
timew1w3	0	(omitted)			
Race					
White	0	(omitted)			
Race#c.timew1w3					
White	0	(omitted)			
timew1w3	0	(omitted)			

PovStat Below	<b>-2.253198</b>	<b>.6315738</b>	<b>-3.57</b>	<b>0.000</b>	<b>-3.491059</b>	<b>-1.015336</b>
PovStat#c.timew1w3 Below	<b>.018135</b>	<b>.1227006</b>	<b>0.15</b>	<b>0.883</b>	<b>-.2223539</b>	<b>.2586238</b>
timew1w3 invmillsmms	<b>0</b> <b>.020375</b>	<b>(omitted)</b> <b>.0124041</b>	<b>1.64</b>	<b>0.100</b>	<b>-.0039366</b>	<b>.0446867</b>
c.timew1w3#c.invmillsmms	<b>.0002768</b>	<b>.0021097</b>	<b>0.13</b>	<b>0.896</b>	<b>-.0038582</b>	<b>.0044119</b>
timew1w3 w1HCYcenter2p15	<b>0</b> <b>-.2132132</b>	<b>(omitted)</b> <b>.9889527</b>	<b>-0.22</b>	<b>0.829</b>	<b>-2.151525</b>	<b>1.725098</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.1280675</b>	<b>.2075331</b>	<b>-0.62</b>	<b>0.537</b>	<b>-.534825</b>	<b>.2786899</b>
_cons	<b>28.567</b>	<b>.4378864</b>	<b>65.24</b>	<b>0.000</b>	<b>27.70876</b>	<b>29.42524</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.2165611</b>	<b>.3000107</b>	<b>.0143343</b>	<b>3.271779</b>
sd(_cons)	<b>5.385231</b>	<b>.2208698</b>	<b>4.969277</b>	<b>5.836003</b>
sd(Residual)	<b>3.906278</b>	<b>.2106636</b>	<b>3.514457</b>	<b>4.341782</b>

```

463 .
464 .
465 .
466 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4cobs==1 & Race==1 || HNDID:

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

```

Imputations	=	5
Number of obs	=	982
Number of groups	=	599
Obs per group:		
min	=	1
avg	=	1.6
max	=	2
Average RVI	=	0.0000
Largest FMI	=	0.0000
DF:	min	= .
	avg	= .
	max	= .
F( 11, ____.)	=	27.95
Prob > F	=	0.0000

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	-.3524555	.0438458	-8.04	0.000	-.4383917	-.2665194
w1Agecent48	-.0760431	.0152253	-4.99	0.000	-.1058841	-.0462022
c.timew1w3#c.w1Agecent48	-.0066411	.0032102	-2.07	0.039	-.0129329	-.0003492
timew1w3	0	(omitted)				
Sex						
Men	-1.507766	.2785059	-5.41	0.000	-2.053628	-.9619047
Sex#c.timew1w3						
Men	-.0479765	.0583605	-0.82	0.411	-.1623609	.0664079
timew1w3	0	(omitted)				
Race						
White	0	(omitted)				
Race#c.timew1w3						
White	0	(omitted)				
timew1w3	0	(omitted)				
PovStat						
Below	-.6969403	.2899323	-2.40	0.016	-1.265197	-.1286835
PovStat#c.timew1w3						
Below	-.0444612	.0583502	-0.76	0.446	-.1588255	.0699032
timew1w3	0	(omitted)				
invmillsmms	.0100973	.0056377	1.79	0.073	-.0009524	.021147
c.timew1w3#c.invmillsmms	-.0002317	.0009678	-0.24	0.811	-.0021285	.0016651
timew1w3	0	(omitted)				
w1HCYcenter2p15	.284205	.4549609	0.62	0.532	-.6075021	1.175912
c.timew1w3#c.w1HCYcenter2p15	-.027567	.1000824	-0.28	0.783	-.2237249	.1685908
_cons	9.160677	.2023271	45.28	0.000	8.764123	9.557231

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity				
sd(_cons)	2.410733	.1033883	2.216378	2.62213
sd(Residual)	1.824681	.0670594	1.697869	1.960965

```

467 .
468 .
469 .
470 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Imputations      =      5
Number of obs    =  1,196

Group variable: HNDID
Number of groups  =     625
Obs per group:
min =          1
avg =        1.9
max =          2
Average RVI      =  0.0000
Largest FMI      =  0.0000
DF: min          = 2.77e+63
      avg          = 6.43e+64
      max          =
Model F test: Equal FMI
F( 11, 1.5e+66) =   19.43
Prob > F          =  0.0000

```

	BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.2847654	.0488226	5.83	0.000	.1890749	.3804559
w1Agecent48	.1244555	.0186699	6.67	0.000	.0878631	.1610479
c.timew1w3#c.w1Agecent48	.0032437	.0035728	0.91	0.364	-.0037589	.0102463
timew1w3	0 (omitted)					
Sex						
Men	-.4902234	.3488391	-1.41	0.160	-1.173935	.1934886
Sex#c.timew1w3						
Men	.0964559	.0668052	1.44	0.149	-.0344797	.2273916
timew1w3	0 (omitted)					
Race						
White	0 (omitted)					
Race#c.timew1w3						
White	0 (omitted)					
timew1w3	0 (omitted)					
PovStat						
Below	2.110775	.367893	5.74	0.000	1.389718	2.831832
PovStat#c.timew1w3						
Below	-.0234848	.0686433	-0.34	0.732	-.1580233	.1110537
timew1w3	0 (omitted)					
invmillsmms	-.0198207	.0077502	-2.56	0.011	-.0350109	-.0046306
c.timew1w3#c.invmillsmms	-.0001481	.001295	-0.11	0.909	-.0026863	.0023901
timew1w3	0 (omitted)					
w1HCYcenter2p15	.6465587	.572599	1.13	0.259	-.4757147	1.768832

c.timew1w3#c.w1HCYcenter2p15	.0597237	.1131965	0.53	0.598	-.1621373	.2815847
_cons	5.288227	.2509256	21.07	0.000	4.796422	5.780032

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.1720438	.3131477	.0048564	6.094871
sd(_cons)	3.419715	.2147963	3.023604	3.867719
corr(timew1w3,_cons)	.3562928	1.131194	-.9741014	.9941071
sd(Residual)	2.369869	.2339042	1.953042	2.875659

471 .  
 472 .  
 473 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4eobs==1 & Race==1 || HNDID: timew1w3, cov(un)  
 Multiple-imputation estimates  
 Mixed-effects ML regression  
 Imputations = 5  
 Number of obs = 1,067  
 Group variable: HNDID  
 Number of groups = 612  
 Obs per group:  
 min = 1  
 avg = 1.7  
 max = 2  
 Average RVI = 0.0000  
 Largest FMI = 0.0000  
 DF adjustment: Large sample  
 DF: min = 1.51e+62  
 avg = 1.51e+62  
 max = .  
 Model F test: Equal FMI  
 F( 11, .) = 5.22  
 Prob > F = 0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	-.0703051	.030447	-2.31	0.021	-.1299801	-.0106302
w1Agecent48	-.0064028	.0093373	-0.69	0.493	-.0247035	.0118979
c.timew1w3#c.w1Agecent48	-.0054206	.002167	-2.50	0.012	-.0096678	-.0011734
timew1w3	0 (omitted)					
Sex						
Men	-.389719	.1778371	-2.19	0.028	-.7382733	-.0411646
Sex#c.timew1w3						
Men	.024751	.0412177	0.60	0.548	-.0560343	.1055363
timew1w3	0 (omitted)					
Race						
White	0 (omitted)					
Race#c.timew1w3						
White	0 (omitted)					
timew1w3	0 (omitted)					

PovStat Below	<b>- .5804348</b>	<b>.185674</b>	<b>-3.13</b>	<b>0.002</b>	<b>-.9443492</b>	<b>-.2165203</b>
PovStat#c.timew1w3 Below	<b>-.0264464</b>	<b>.0420126</b>	<b>-0.63</b>	<b>0.529</b>	<b>-.1087895</b>	<b>.0558968</b>
timew1w3 invmillsmms	<b>0</b> (omitted) <b>.0017715</b>	<b>.003657</b>	<b>0.48</b>	<b>0.628</b>	<b>-.0053961</b>	<b>.008939</b>
c.timew1w3#c.invmillsmms	<b>-.0008738</b>	<b>.0007517</b>	<b>-1.16</b>	<b>0.245</b>	<b>-.0023471</b>	<b>.0005995</b>
timew1w3 w1HCYcenter2p15	<b>0</b> (omitted) <b>-.5016088</b>	<b>.2966634</b>	<b>-1.69</b>	<b>0.091</b>	<b>-1.083058</b>	<b>.0798407</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0186365</b>	<b>.0694104</b>	<b>-0.27</b>	<b>0.788</b>	<b>-.1546785</b>	<b>.1174054</b>
_cons	<b>7.662448</b>	<b>.1273383</b>	<b>60.17</b>	<b>0.000</b>	<b>7.412869</b>	<b>7.912026</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.1561014</b>	<b>.1052654</b>	<b>.0416301</b>	<b>.5853372</b>
sd(_cons)	<b>1.459484</b>	<b>.1482969</b>	<b>1.195941</b>	<b>1.781104</b>
corr(timew1w3,_cons)	<b>-.0816122</b>	<b>.3115235</b>	<b>-.6021179</b>	<b>.4875756</b>
sd(Residual)	<b>1.305771</b>	<b>.1379094</b>	<b>1.061616</b>	<b>1.60608</b>

474 .

475 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4fobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,200

Group variable: HNDID

Number of groups	=	625
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI = 0.0000  
Largest FMI = 0.0000

DF adjustment: Large sample

DF:	min	=	.
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 11, .)	=	5.87
Prob > F	=	0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0918213	.0646328	1.42	0.155	-.0348566	.2184992
w1Agecent48	-.0986822	.024906	-3.96	0.000	-.1474971	-.0498674
c.timew1w3#c.w1Agecent48	-.002627	.0047293	-0.56	0.579	-.0118962	.0066421
timew1w3	0	(omitted)				
Sex						
Men	.656238	.4630783	1.42	0.156	-.2513788	1.563855
Sex#c.timew1w3						
Men	-.0405455	.0880928	-0.46	0.645	-.2132041	.1321131
timew1w3	0	(omitted)				
Race						
White	0	(omitted)				
Race#c.timew1w3						
White	0	(omitted)				
timew1w3	0	(omitted)				
PovStat						
Below	-2.363486	.4938937	-4.79	0.000	-3.3315	-1.395472
PovStat#c.timew1w3						
Below	.0140312	.0914978	0.15	0.878	-.1653011	.1933636
timew1w3	0	(omitted)				
invmillsmms	.0104108	.0102614	1.01	0.310	-.009701	.0305227
c.timew1w3#c.invmillsmms	-.0014174	.0017192	-0.82	0.410	-.004787	.0019522
timew1w3	0	(omitted)				
w1HCYcenter2p15	-1.665732	.7596771	-2.19	0.028	-3.154672	-.1767922
c.timew1w3#c.w1HCYcenter2p15	.1720317	.1498515	1.15	0.251	-.1216718	.4657352
_cons	20.63795	.3321293	62.14	0.000	19.98699	21.28891

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.2644299	.2672665	.0364735	1.917094
sd(_cons)	4.545416	.2446206	4.090389	5.051063
corr(timew1w3,_cons)	-.0941854	.2400287	-.5147153	.3628749
sd(Residual)	3.110237	.2447503	2.665697	3.628909

476 .

```
477 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4gobs==1 & Race==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations	=	5
Number of obs	=	1,171
Number of groups	=	623
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0000
Largest FMI	=	0.0000
DF:	min	= 9.49e+56
	avg	= 1.23e+63
	max	= .
F( 11, 2.8e+66)	=	2.19
Prob > F	=	0.0123

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0055393	.0257709	0.21	0.830	-.0449708 .0560493
w1Agecent48	-.0121588	.0100235	-1.21	0.225	-.0318045 .007487
c.timew1w3#c.w1Agecent48	-.0011306	.0018694	-0.60	0.545	-.0047946 .0025335
timew1w3	0	(omitted)			
Sex					
Men	.2193739	.1871468	1.17	0.241	-.1474272 .586175
Sex#c.timew1w3					
Men	.0026781	.0352115	0.08	0.939	-.0663351 .0716913
timew1w3	0	(omitted)			
Race					
White	0	(omitted)			
Race#c.timew1w3					
White	0	(omitted)			
timew1w3	0	(omitted)			
PovStat					
Below	-.6340397	.1982002	-3.20	0.001	-1.022505 -.2455744
PovStat#c.timew1w3					
Below	-.0030282	.0362107	-0.08	0.933	-.0739999 .0679436
timew1w3	0	(omitted)			
invmillsmms	.006585	.0041478	1.59	0.112	-.0015446 .0147146
c.timew1w3#c.invmillsmms	-.0004897	.0006837	-0.72	0.474	-.0018297 .0008504
timew1w3	0	(omitted)			
w1HCYcenter2p15	-.4546232	.3077578	-1.48	0.140	-1.057817 .1485709
c.timew1w3#c.w1HCYcenter2p15	-.0131393	.0596401	-0.22	0.826	-.1300317 .1037531

<u>_cons</u>	<b>7.851415</b>	.1350005	58.16	0.000	7.586819	8.116012
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	.182989	.0521542	.1046698	.3199105	
sd(_cons)	1.930101	.0881539	1.764831	2.110849	
corr(timew1w3,_cons)	-.114523	.1302933	-.3573038	.1427545	
sd(Residual)	<b>1.11026</b>	<b>.0908144</b>	<b>.9458014</b>	<b>1.303314</b>	

478 .

479 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4hobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,168
Group variable: <b>HNDID</b>			
	Number of groups	=	625
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	.
	Largest FMI	=	.
DF adjustment: Large sample	<u>DF</u> :	min	= 0.00
		avg	= .
		max	= .
Model F test: Equal FMI	F( 11, 1.9e+65 )	=	2.64
	Prob > F	=	0.0023

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0012139	.0257613	0.05	0.962	-.0492773	.0517051
w1Agecent48	-.0150896	.0102498	-1.47	0.141	-.0351789	.0049997
c.timew1w3#c.w1Agecent48	-.0011759	.0018554	-0.63	0.526	-.0048123	.0024606
timew1w3	0	(omitted)				
Sex						
Men	-.0590982	.1914305	-0.31	0.758	-.4342952	.3160987
Sex#c.timew1w3						
Men	.0160361	.03508	0.46	0.648	-.0527195	.0847916
timew1w3	0	(omitted)				
Race						
White	0	(omitted)				
Race#c.timew1w3						
White	0	(omitted)				
timew1w3	0	(omitted)				
PovStat						
Below	-.6391696	.2032337	-3.14	0.002	-1.0375	-.2408389

PovStat#c.timew1w3 Below	<b>- .0217718</b>	<b>.0360472</b>	<b>-0.60</b>	<b>0.546</b>	<b>- .092423</b>	<b>.0488794</b>
timew1w3 invmillsmmms	<b>0</b> (omitted) <b>.0062659</b>	<b>.0042476</b>	<b>1.48</b>	<b>0.140</b>	<b>- .0020594</b>	<b>.0145911</b>
c.timew1w3#c.invmillsmmms	<b>- .000211</b>	<b>.0006787</b>	<b>-0.31</b>	<b>0.756</b>	<b>- .0015412</b>	<b>.0011192</b>
timew1w3 w1HCYcenter2p15	<b>0</b> (omitted) <b>-.4362211</b>	<b>.3139007</b>	<b>-1.39</b>	<b>0.165</b>	<b>-1.051455</b>	<b>.179013</b>
c.timew1w3#c.w1HCYcenter2p15	<b>- .0429671</b>	<b>.0592321</b>	<b>-0.73</b>	<b>0.468</b>	<b>- .15906</b>	<b>.0731257</b>
_cons	<b>6.481997</b>	<b>.1380922</b>	<b>46.94</b>	<b>0.000</b>	<b>6.211341</b>	<b>6.752652</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.0227567</b>	<b>.0186301</b>	<b>.0045736</b>	<b>.1132291</b>
sd(_cons)	<b>1.891653</b>	<b>.0783206</b>	<b>1.744211</b>	<b>2.051559</b>
corr(timew1w3,_cons)	<b>-.9999998</b>	.	.	.
sd(Residual)	<b>1.273296</b>	<b>.0386558</b>	<b>1.199742</b>	<b>1.35136</b>

```

480 .
481 . mi estimate: mixed clock_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4iobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,206

Number of groups = 626
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI =
Largest FMI =
DF: min = 0.00
    avg =
    max =
F( 11, 4.5e+68) = 2.05
Prob > F = 0.0205

```

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3 w1Agecent48	<b>-.0121559</b>	<b>.0183283</b>	<b>-0.66</b>	<b>0.507</b>	<b>-.0480786</b>	<b>.0237668</b>
c.timew1w3#c.w1Agecent48	<b>-.0050823</b>	<b>.0049824</b>	<b>-1.02</b>	<b>0.308</b>	<b>-.0148477</b>	<b>.0046831</b>
timew1w3	<b>0</b> (omitted)					
Sex Men						
Sex#c.timew1w3	<b>.0268052</b>	<b>.0928558</b>	<b>0.29</b>	<b>0.773</b>	<b>-.1551888</b>	<b>.2087991</b>

	Men	.0026267	.0248826	.0.11	0.916	-.0461424	.0513957
	timew1w3	0	(omitted)				
	Race White	0	(omitted)				
	Race#c.timew1w3 White	0	(omitted)				
	timew1w3	0	(omitted)				
	PovStat Below	-.1369971	.0988503	-1.39	0.166	-.33074	.0567459
	PovStat#c.timew1w3 Below	-.023353	.0256882	-0.91	0.363	-.0737009	.0269949
	timew1w3 invmillsmms	0	(omitted)				
		-.0000745	.0020796	-0.04	0.971	-.0041505	.0040015
	c.timew1w3#c.invmillsmms	-.0000787	.0004944	-0.16	0.873	-.0010478	.0008903
	timew1w3 w1HCYcenter2p15	0	(omitted)				
		-.1990737	.1521895	-1.31	0.191	-.4973597	.0992123
	c.timew1w3#c.w1HCYcenter2p15	-.0178518	.0422696	-0.42	0.673	-.1006988	.0649951
	_cons	9.064945	.0666953	135.92	0.000	8.934225	9.195665

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	.0163381	.	.	.	.
sd(_cons)	.613575	.	.	.	.
corr(timew1w3,_cons)	.9999903	.	.	.	.
sd(Residual)	.9324439	.	.	.	.

482 .

```
483 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4jobs==1 & Race==1 || HNDID: timew1w3
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,186

Group variable: HNDID

Number of groups = 619  
Obs per group:

min = 1  
avg = 1.9  
max = 2

Average RVI = 0.0000  
Largest FMI = 0.0000

DF adjustment: Large sample

DF: min = 1.69e+63  
avg = 1.69e+63

max = .

Model F test: Equal FMI

F( 11, 1.1e+66) = 7.26  
Prob > F = 0.0000

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0002476	.0041504	0.06	0.952	-.007887 .0083822
w1Agecent48	.006623	.0014095	4.70	0.000	.0038605 .0093855
c.timew1w3#c.w1Agecent48	.0007187	.0003034	2.37	0.018	.000124 .0013133
timew1w3	0 (omitted)				
Sex Men	.0534258	.0263836	2.02	0.043	.0017149 .1051367
Sex#c.timew1w3 Men	.0092115	.0057036	1.62	0.106	-.0019673 .0203903
timew1w3	0 (omitted)				
Race White	0 (omitted)				
Race#c.timew1w3 White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat Below	.0998588	.0279164	3.58	0.000	.0451437 .1545739
PovStat#c.timew1w3 Below	-.0028881	.0058653	-0.49	0.622	-.0143838 .0086076
timew1w3 invmillsmms	0 (omitted) -.0004158	.0005809	-0.72	0.474	-.0015544 .0007227
c.timew1w3#c.invmillsmms	-.0001312	.0001108	-1.18	0.236	-.0003483 .0000859
timew1w3 w1HCYcenter2p15	0 (omitted) .0890038	.0431614	2.06	0.039	.0044089 .1735987
c.timew1w3#c.w1HCYcenter2p15	-.0137711	.009632	-1.43	0.153	-.0326495 .0051073
_cons	3.292212	.0188552	174.61	0.000	3.255256 3.329167

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Independent			
sd(timew1w3)	.0269648	.0053556	.0182698 .0397978
sd(_cons)	.249913	.00991	.2312253 .270111
sd(Residual)	.1864178	.0090439	.1695089 .2050136

484 .

```
485 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4kobs==1 & Race==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Group variable: HNDID	Number of imputations = 5
	Number of obs = 1,156
	Number of groups = 615
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
	Average RVI = 0.0000
	Largest FMI = 0.0000
DF adjustment: Large sample	DF: min = 5.86e+61
	avg = 7.26e+63
	max = .
Model F test: Equal FMI	F( 11, 4.9e+64) = 8.72
	Prob > F = 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0071199	.0057482	1.24	0.215	-.0041463 .0183861
w1Agecent48	.0102796	.0025224	4.08	0.000	.0053358 .0152234
c.timew1w3#c.w1Agecent48	.0008197	.0004196	1.95	0.051	-2.61e-06 .0016421
timew1w3	0 (omitted)				
Sex					
Men	.0878578	.0472154	1.86	0.063	-.0046827 .1803983
Sex#c.timew1w3					
Men	-.0066706	.0079467	-0.84	0.401	-.0222458 .0089046
timew1w3	0 (omitted)				
Race					
White	0 (omitted)				
Race#c.timew1w3					
White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	.2713516	.0499803	5.43	0.000	.173392 .3693111
PovStat#c.timew1w3					
Below	-.0067592	.0082378	-0.82	0.412	-.0229051 .0093867
timew1w3	0 (omitted)				
invmillsmms	-.0032411	.0010393	-3.12	0.002	-.005278 -.0012042
c.timew1w3#c.invmillsmms	-.0002229	.0006313	-0.35	0.724	-.0014601 .0010144
timew1w3	0 (omitted)				
w1HCYcenter2p15	.100439	.0772472	1.30	0.194	-.0509627 .2518408
c.timew1w3#c.w1HCYcenter2p15	-.0001062	.013272	-0.01	0.994	-.0261188 .0259063

<u>_cons</u>	<b>4.212692</b>	.0337231	124.92	0.000	4.146595	4.278788
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0179738</b>	.0044339	.0110831	.0291488
sd(_cons)	<b>.4819543</b>	.0186264	.4467956	.5198797
corr(timew1w3,_cons)	-1	<b>.000136</b>	-1	1
sd(Residual)	<b>.2809099</b>	.0088105	.2641617	.29872

```

486 .
487 .
488 . save, replace
      file finaldata_imputed_FINAL.dta saved

489 .
490 .
491 . //MODEL 2: MODEL 1 + OTHER FACTORS + BODY MASS INDEX///
492 .
493 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,157
Number of groups = 620
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI =
Largest FMI =
DF: min = 0.00
    avg =
    max =
F( 25,83162.9) = 23.03
Prob > F = 0.0000

```

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>.0902003</b>	.0613986	1.47	0.142	-.030207	.2106076
w1Agecent48	<b>-.0082483</b>	.0068818	-1.20	0.231	-.0217365	.0052398
c.timew1w3#c.w1Agecent48	<b>-.0042365</b>	.001645	-2.58	0.010	-.0074606	-.0010124
timew1w3	0	(omitted)				
Sex						
Men	<b>-.4920641</b>	.1257283	-3.91	0.000	-.7384871	-.245641
Sex#c.timew1w3						
Men	<b>.0634767</b>	.0305423	2.08	0.038	.0036126	.1233407
timew1w3	0	(omitted)				
Race						

	White	0 (omitted)					
Race#c.timew1w3	White	0 (omitted)					
	timew1w3	0 (omitted)					
PovStat							
Below	.0565317	.1399907	0.40	0.686	-.2178494	.3309128	
PovStat#c.timew1w3							
Below	-.0422591	.0335385	-1.26	0.208	-.1079941	.0234759	
	timew1w3	0 (omitted)					
w1edubr							
2	.430627	.2365247	1.82	0.069	-.033063	.894317	
3	.5883026	.2716822	2.17	0.030	.0555717	1.121033	
w1edubr#c.timew1w3							
2	-.0740938	.057663	-1.28	0.199	-.1871612	.0389737	
3	-.0341443	.0656429	-0.52	0.603	-.1628262	.0945376	
	timew1w3	0 (omitted)					
w1WRATtotalcent42	.1559792	.00952	16.38	0.000	.1373201	.1746384	
c.timew1w3#c.w1WRATtotalcent42							
	timew1w3	0 (omitted)					
1.w1smoke	.0922537	.1531694	0.60	0.548	-.2099751	.3944826	
w1smoke#c.timew1w3							
1	-.0642749	.0370593	-1.73	0.084	-.1371112	.0085613	
	timew1w3	0 (omitted)					
1.w1currdrugs	-.0357073	.186306	-0.19	0.848	-.4009721	.3295575	
w1currdrugs#c.timew1w3							
1	.0184007	.0462016	0.40	0.691	-.0723593	.1091607	
	timew1w3	0 (omitted)					
w1hei2010_total_scorecent43	-.0008288	.0056856	-0.15	0.884	-.01202	.0103624	
c.timew1w3#c.w1hei2010_total_scorecent43							
	timew1w3	0 (omitted)					
w1BMIcontent30	.005752	.0087039	0.66	0.509	-.011308	.022812	
c.timew1w3#c.w1BMIcontent30							
	timew1w3	0 (omitted)					
invmillsmms	.0098442	.0027819	3.54	0.000	.0043918	.0152965	
c.timew1w3#c.invmillsmms							
	timew1w3	0 (omitted)					
w1HCYcenter2p15	.2608808	.2067024	1.26	0.207	-.1442493	.666011	
c.timew1w3#c.w1HCYcenter2p15							
	_cons	27.51301	.2501539	109.98	0.000	27.02239	28.00363

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID:</b> Unstructured			
sd(timew1w3)	.1037235	.	.
sd(_cons)	1.046531	.	.
corr(timew1w3,_cons)	-.9977211	.	.
sd(Residual)	1.049715	.	.

494 .  
 495 .  
 496 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4aobs==1 & Race==1 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: **HNDID**

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
 Number of obs = 1,157

Number of groups = 620  
 Obs per group:  
 min = 1  
 avg = 1.9  
 max = 2  
 Average RVI = 0.0377  
 Largest FMI = 0.1909  
 DF: min = 125.96  
 avg = 3.28e+08  
 max = 9.06e+09  
 F( 25, 53610.6) = 19.42  
 Prob > F = 0.0000

	MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.5221283	.5381425	0.97	0.332	.5327595	1.577016
w1Agecent48	-.0991777	.0549746	-1.80	0.071	-.206927	.0085716
c.timew1w3#c.w1Agecent48	-.0380811	.0145361	-2.62	0.009	-.0665715	-.0095907
timew1w3	0 (omitted)					
Sex						
Men	-3.426393	1.004175	-3.41	0.001	-5.394541	-1.458244
Sex#c.timew1w3						
Men	.4355218	.2703713	1.61	0.107	-.094418	.9654615
timew1w3	0 (omitted)					
Race						
White	0 (omitted)					
Race#c.timew1w3						
White	0 (omitted)					
timew1w3	0 (omitted)					
PovStat						
Below	.3757793	1.118693	0.34	0.737	-1.816854	2.568413

PovStat#c.timew1w3						
Below		<b>-.3649632</b>	<b>.2960712</b>	<b>-1.23</b>	<b>0.218</b>	<b>-.9452566</b>
timew1w3		<b>0</b>	(omitted)			
w1edubr						
2		<b>3.837192</b>	<b>1.883503</b>	<b>2.04</b>	<b>0.042</b>	<b>.1450971</b>
3		<b>6.033052</b>	<b>2.171753</b>	<b>2.78</b>	<b>0.006</b>	<b>1.774506</b>
w1edubr#c.timew1w3						
2		<b>-.7384135</b>	<b>.5053516</b>	<b>-1.46</b>	<b>0.144</b>	<b>-1.729007</b>
3		<b>-.304564</b>	<b>.577046</b>	<b>-0.53</b>	<b>0.598</b>	<b>-1.435627</b>
w1WRATtotalcent42						
timew1w3		<b>0</b>	(omitted)			
w1WRATtotalcent42		<b>1.091565</b>	<b>.0760456</b>	<b>14.35</b>	<b>0.000</b>	<b>.9425164</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0520644</b>	<b>.0236585</b>	<b>-2.20</b>	<b>0.028</b>	<b>-.0984496</b>
timew1w3		<b>0</b>	(omitted)			
1.w1smoke		<b>-.0511999</b>	<b>1.227925</b>	<b>-0.04</b>	<b>0.967</b>	<b>-2.475324</b>
w1smoke#c.timew1w3						
1		<b>-.527404</b>	<b>.3220546</b>	<b>-1.64</b>	<b>0.102</b>	<b>-1.159333</b>
timew1w3		<b>0</b>	(omitted)			
1.w1currdrugs		<b>.6289173</b>	<b>1.495337</b>	<b>0.42</b>	<b>0.674</b>	<b>-2.303444</b>
w1currdrugs#c.timew1w3						
1		<b>.0141547</b>	<b>.4201289</b>	<b>0.03</b>	<b>0.973</b>	<b>-.8142512</b>
timew1w3		<b>0</b>	(omitted)			
w1hei2010_total_scorecent43		<b>.00376</b>	<b>.0471837</b>	<b>0.08</b>	<b>0.937</b>	<b>-.0896155</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0047577</b>	<b>.01292</b>	<b>-0.37</b>	<b>0.713</b>	<b>-.0302586</b>
timew1w3		<b>0</b>	(omitted)			
w1BMIcon30		<b>.0544799</b>	<b>.0694988</b>	<b>0.78</b>	<b>0.433</b>	<b>-.0817406</b>
c.timew1w3#c.w1BMIcon30		<b>-.0080854</b>	<b>.0186326</b>	<b>-0.43</b>	<b>0.664</b>	<b>-.0446049</b>
timew1w3		<b>0</b>	(omitted)			
invmillsmms		<b>.0569192</b>	<b>.0222574</b>	<b>2.56</b>	<b>0.011</b>	<b>.0132956</b>
c.timew1w3#c.invmillsmms		<b>-.0099823</b>	<b>.0051307</b>	<b>-1.95</b>	<b>0.052</b>	<b>-.0200383</b>
timew1w3		<b>0</b>	(omitted)			
w1HCYcenter2p15		<b>2.193</b>	<b>1.650637</b>	<b>1.33</b>	<b>0.184</b>	<b>-1.042193</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.3943431</b>	<b>.4492615</b>	<b>-0.88</b>	<b>0.380</b>	<b>-1.27488</b>
_cons		<b>74.92106</b>	<b>1.993255</b>	<b>37.59</b>	<b>0.000</b>	<b>71.01233</b>
						<b>78.82978</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.0000102</b>	<b>.0033798</b>	<b>2.5e-287</b>	<b>4.1e+276</b>
sd(_cons)	<b>6.982185</b>	<b>.4623436</b>	<b>6.132339</b>	<b>7.949807</b>
sd(Residual)	<b>9.587545</b>	<b>.293663</b>	<b>9.028911</b>	<b>10.18074</b>

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497 .
498 .
499 .
500 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4bobs==1 & Race==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,040
Number of groups = 615
Obs per group:
    min = 1
    avg = 1.7
    max = 2
    Average RVI = 0.0826
    Largest FMI = 0.6644
DF: min = 10.83
    avg = 34,055.99
    max = 200,506.70
F( 25, 12398.8) = 27.21
Prob > F = 0.0000

```

	cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		-1.018816	.227505	-4.48	0.000	-1.464729 -.5729019
w1Agecent48		-.1843519	.0304015	-6.06	0.000	-.2439442 -.1247595
c.timew1w3#c.w1Agecent48		-.0081219	.0067532	-1.20	0.229	-.0213585 .0051147
timew1w3		0	(omitted)			
Sex						
Men		-2.880851	.5486466	-5.25	0.000	-3.956201 -1.805501
Sex#c.timew1w3						
Men		-.1257278	.1239665	-1.01	0.310	-.3687067 .117251
timew1w3		0	(omitted)			
Race						
White		0	(omitted)			
Race#c.timew1w3						
White		0	(omitted)			
timew1w3		0	(omitted)			
PovStat						
Below		-.4223279	.6000447	-0.70	0.482	-1.598433 .7537768
PovStat#c.timew1w3						
Below		-.0148761	.1325696	-0.11	0.911	-.274734 .2449818
timew1w3		0	(omitted)			
w1edubr						
2		-.0073336	.9623587	-0.01	0.994	-1.893642 1.878975
3		3.444812	1.121384	3.07	0.002	1.245589 5.644035
w1edubr#c.timew1w3						

		2	<b>- .0258404</b>	.2100628	<b>-0.12</b>	0.902	<b>-.4375818</b>	.3859009
		3	<b>-.2477367</b>	.2464733	<b>-1.01</b>	0.315	<b>-.7308522</b>	.2353788
	timew1w3		<b>0</b>	(omitted)				
	w1WRATTtotalcent42		<b>.2714883</b>	<b>.0411959</b>	6.59	0.000	<b>.1907319</b>	.3522447
c.timew1w3#c.w1WRATTtotalcent42			<b>-.002148</b>	<b>.0091763</b>	<b>-0.23</b>	0.815	<b>-.0201353</b>	.0158393
	timew1w3		<b>0</b>	(omitted)				
	1.w1smoke		<b>.8894839</b>	<b>.7261677</b>	1.22	0.229	<b>-.5883803</b>	2.367348
w1smoke#c.timew1w3			<b>-.1003679</b>	<b>.1516344</b>	<b>-0.66</b>	0.509	<b>-.399492</b>	.1987562
	timew1w3		<b>0</b>	(omitted)				
	1.w1currdrugs		<b>-2.164494</b>	<b>.7923624</b>	<b>-2.73</b>	0.006	<b>-3.718607</b>	<b>-.6103809</b>
w1currdrugs#c.timew1w3			<b>.0126861</b>	<b>.1864942</b>	0.07	0.946	<b>-.353466</b>	.3788381
	timew1w3		<b>0</b>	(omitted)				
w1hei2010_total_scorecent43			<b>.0286082</b>	<b>.0367386</b>	0.78	0.453	<b>-.0524061</b>	.1096226
c.timew1w3#c.w1hei2010_total_scorecent43			<b>-.003555</b>	<b>.0065881</b>	<b>-0.54</b>	0.591	<b>-.0167191</b>	.0096091
	timew1w3		<b>0</b>	(omitted)				
w1BMIcon30			<b>.0596306</b>	<b>.0381139</b>	1.56	0.118	<b>-.0151071</b>	.1343683
c.timew1w3#c.w1BMIcon30			<b>-.0100199</b>	<b>.0085289</b>	<b>-1.17</b>	0.240	<b>-.0267378</b>	.006698
	timew1w3		<b>0</b>	(omitted)				
invmillsmms			<b>.0142313</b>	<b>.011066</b>	1.29	0.198	<b>-.0074577</b>	.0359203
c.timew1w3#c.invmillsmms			<b>.0003965</b>	<b>.0021415</b>	0.19	0.853	<b>-.0038008</b>	.0045938
	timew1w3		<b>0</b>	(omitted)				
w1HCYcenter2p15			<b>.4972237</b>	<b>.8954071</b>	0.56	0.579	<b>-1.257763</b>	2.25221
c.timew1w3#c.w1HCYcenter2p15			<b>-.093736</b>	<b>.2073281</b>	<b>-0.45</b>	0.651	<b>-.5000994</b>	.3126274
	_cons		<b>25.72458</b>	<b>1.036967</b>	24.81	0.000	<b>23.69104</b>	<b>27.75811</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Independent					
sd(timew1w3)	<b>.3723269</b>	<b>.1579662</b>	<b>.1620954</b>	<b>.8552207</b>	
sd(_cons)	<b>4.514409</b>	<b>.2082141</b>	<b>4.124216</b>	<b>4.941519</b>	
sd(Residual)	<b>3.757859</b>	<b>.199192</b>	<b>3.387014</b>	<b>4.169308</b>	

```

501 .
502 .
503 .
504 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4cobs==1 & Race==1 || HNDID:

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 982
Number of groups = 599
Obs per group:
    min = 1
    avg = 1.6
    max = 2
    Average RVI = 0.0686
    Largest FMI = 0.3363
DF: min = 42.73
    avg = 120,622.01
    max = 793,170.63
F( 25, 18915.3) = 17.85
Prob > F = 0.0000

```

	CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		<b>- .1945024</b>	<b>.1074611</b>	<b>-1.81</b>	<b>0.070</b>	<b>-.4051788</b> <b>.016174</b>
w1Agecent48		<b>- .0807351</b>	<b>.0144984</b>	<b>-5.57</b>	<b>0.000</b>	<b>-.1091539</b> <b>-.0523162</b>
c.timew1w3#c.w1Agecent48		<b>- .006588</b>	<b>.0032274</b>	<b>-2.04</b>	<b>0.041</b>	<b>-.0129136</b> <b>-.0002625</b>
timew1w3		<b>0</b>	(omitted)			
Sex						
Men		<b>-1.356339</b>	<b>.2603901</b>	<b>-5.21</b>	<b>0.000</b>	<b>-1.866694</b> <b>-.8459826</b>
Sex#c.timew1w3						
Men		<b>- .0552877</b>	<b>.0589574</b>	<b>-0.94</b>	<b>0.348</b>	<b>-.1708597</b> <b>.0602843</b>
timew1w3		<b>0</b>	(omitted)			
Race						
White		<b>0</b>	(omitted)			
Race#c.timew1w3						
White		<b>0</b>	(omitted)			
timew1w3		<b>0</b>	(omitted)			
PovStat						
Below		<b>.0266555</b>	<b>.2852708</b>	<b>0.09</b>	<b>0.926</b>	<b>-.5324902</b> <b>.5858011</b>
PovStat#c.timew1w3						
Below		<b>- .0449734</b>	<b>.0623122</b>	<b>-0.72</b>	<b>0.470</b>	<b>-.1671153</b> <b>.0771685</b>
timew1w3		<b>0</b>	(omitted)			
w1edubr						
2		<b>.2415457</b>	<b>.4617698</b>	<b>0.52</b>	<b>0.601</b>	<b>-.6636947</b> <b>1.146786</b>
3		<b>1.633298</b>	<b>.5275796</b>	<b>3.10</b>	<b>0.002</b>	<b>.5992214</b> <b>2.667375</b>
w1edubr#c.timew1w3						

	2	<b>- .0836928</b>	<b>.0977923</b>	<b>-0.86</b>	<b>0.392</b>	<b>-.2753789</b>	<b>.1079933</b>
	3	<b>-.1696069</b>	<b>.115697</b>	<b>-1.47</b>	<b>0.143</b>	<b>-.3963853</b>	<b>.0571715</b>
	timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1WRATtotalcent42	<b>.1121312</b>	<b>.0194714</b>	<b>5.76</b>	<b>0.000</b>	<b>.0739645</b>	<b>.1502978</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0009195</b>	<b>.0042217</b>	<b>-0.22</b>	<b>0.828</b>	<b>-.009194</b>	<b>.0073551</b>
	timew1w3	<b>0</b>	<b>(omitted)</b>				
	1.w1smoke	<b>.3176103</b>	<b>.2931433</b>	<b>1.08</b>	<b>0.279</b>	<b>-.258217</b>	<b>.8934377</b>
w1smoke#c.timew1w3							
	1	<b>-.0893451</b>	<b>.0758585</b>	<b>-1.18</b>	<b>0.243</b>	<b>-.2404336</b>	<b>.0617433</b>
	timew1w3	<b>0</b>	<b>(omitted)</b>				
	1.w1currdrugs	<b>-.4572878</b>	<b>.3898501</b>	<b>-1.17</b>	<b>0.242</b>	<b>-1.224911</b>	<b>.3103356</b>
w1currdrugs#c.timew1w3							
	1	<b>-.1183184</b>	<b>.0906443</b>	<b>-1.31</b>	<b>0.194</b>	<b>-.2975339</b>	<b>.060897</b>
	timew1w3	<b>0</b>	<b>(omitted)</b>				
w1hei2010_total_scorecent43		<b>.0110626</b>	<b>.0133952</b>	<b>0.83</b>	<b>0.413</b>	<b>-.0159564</b>	<b>.0380817</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0014087</b>	<b>.0030292</b>	<b>-0.47</b>	<b>0.642</b>	<b>-.0073856</b>	<b>.0045683</b>
	timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1BMIcon30	<b>.0396895</b>	<b>.0177567</b>	<b>2.24</b>	<b>0.025</b>	<b>.004887</b>	<b>.074492</b>
c.timew1w3#c.w1BMIcon30		<b>-.006159</b>	<b>.0040666</b>	<b>-1.51</b>	<b>0.130</b>	<b>-.0141304</b>	<b>.0018125</b>
	timew1w3	<b>0</b>	<b>(omitted)</b>				
	invmillsmms	<b>.0080039</b>	<b>.0052062</b>	<b>1.54</b>	<b>0.124</b>	<b>-.0022002</b>	<b>.0182079</b>
c.timew1w3#c.invmillsmms		<b>-.0003689</b>	<b>.000968</b>	<b>-0.38</b>	<b>0.703</b>	<b>-.0022661</b>	<b>.0015282</b>
	timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1HCYcenter2p15	<b>.5306859</b>	<b>.4248021</b>	<b>1.25</b>	<b>0.212</b>	<b>-.3019161</b>	<b>1.363288</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0035914</b>	<b>.0991915</b>	<b>0.04</b>	<b>0.971</b>	<b>-.1908233</b>	<b>.1980062</b>
	_cons	<b>7.751902</b>	<b>.4870323</b>	<b>15.92</b>	<b>0.000</b>	<b>6.797315</b>	<b>8.70649</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity				
sd(_cons)	<b>2.098557</b>	<b>.0989729</b>	<b>1.913268</b>	<b>2.30179</b>
sd(Residual)	<b>1.801078</b>	<b>.0671444</b>	<b>1.67413</b>	<b>1.937652</b>

```

505 .
506 .
507 .
508 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,196
Number of groups = 625
Obs per group:
    min = 1
    avg = 1.9
    max = 2
    Average RVI = 0.0275
    Largest FMI = 0.1522
    DF: min = 194.10
        avg = 1695791.80
        max = 2.67e+07
    F( 25, 98494.5) = 17.60
    Prob > F = 0.0000

```

	BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.3061185	.1330468	2.30	0.021	.0453286	.5669085
w1Agecent48	.1263434	.016915	7.47	0.000	.0931901	.1594966
c.timew1w3##c.w1Agecent48	.0029478	.0037168	0.79	0.428	-.0043373	.0102329
timew1w3	0	(omitted)				
Sex						
Men	-.585146	.3112138	-1.88	0.060	-1.195116	.0248243
Sex##c.timew1w3						
Men	.0942063	.0681893	1.38	0.167	-.0394492	.2278618
timew1w3	0	(omitted)				
Race						
White	0	(omitted)				
Race##c.timew1w3						
White	0	(omitted)				
timew1w3	0	(omitted)				
PovStat						
Below	.8710616	.3439575	2.53	0.011	.1969172	1.545206
PovStat##c.timew1w3						
Below	-.0326639	.0744921	-0.44	0.661	-.1786669	.113339
timew1w3	0	(omitted)				
w1edubr						
2	-.2987157	.5839695	-0.51	0.609	-1.443875	.8464433
3	-1.019071	.6605947	-1.54	0.123	-2.314048	.2759067
w1edubr##c.timew1w3						

		2	<b>- .0118483</b>	.1253454	<b>-0.09</b>	0.925	<b>-.2575485</b>	.2338519
		3	<b>- .0551215</b>	.1446166	<b>-0.38</b>	0.703	<b>-.3386178</b>	.2283747
	timew1w3		<b>0</b>	(omitted)				
	w1WRATtotalcent42		<b>-.209951</b>	.0232723	<b>-9.02</b>	0.000	<b>-.255566</b>	-.1643361
c.timew1w3#c.w1WRATtotalcent42			<b>.0016008</b>	.0051481	<b>0.31</b>	0.756	<b>-.0084917</b>	.0116934
	timew1w3		<b>0</b>	(omitted)				
	1.w1smoke		<b>.401672</b>	.3416728	<b>1.18</b>	0.240	<b>-.2683036</b>	1.071648
w1smoke#c.timew1w3			<b>.0266084</b>	.0800582	<b>0.33</b>	0.740	<b>-.1303131</b>	.1835299
	timew1w3		<b>0</b>	(omitted)				
	1.w1currdrugs		<b>-.1679553</b>	.4737366	<b>-0.35</b>	0.723	<b>-1.102288</b>	.7663771
w1currdrugs#c.timew1w3			<b>-.0109242</b>	.1035468	<b>-0.11</b>	0.916	<b>-.2139998</b>	.1921514
	timew1w3		<b>0</b>	(omitted)				
w1hei2010_total_scorecent43			<b>-.0302193</b>	.0129725	<b>-2.33</b>	0.020	<b>-.0556936</b>	-.0047449
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0004452</b>	.003288	<b>0.14</b>	0.892	<b>-.0060345</b>	.0069249
	timew1w3		<b>0</b>	(omitted)				
w1BMIcon30			<b>-.0184049</b>	.021257	<b>-0.87</b>	0.387	<b>-.0600678</b>	.0232581
c.timew1w3#c.w1BMIcon30			<b>-.0037015</b>	.0048181	<b>-0.77</b>	0.442	<b>-.013145</b>	.0057421
	timew1w3		<b>0</b>	(omitted)				
invmillsmms			<b>-.0184425</b>	.0068759	<b>-2.68</b>	0.007	<b>-.0319191</b>	-.0049659
c.timew1w3#c.invmillsmms			<b>-.0000708</b>	.0013139	<b>-0.05</b>	0.957	<b>-.0026461</b>	.0025044
	timew1w3		<b>0</b>	(omitted)				
w1HCYcenter2p15			<b>-.0279691</b>	.5108215	<b>-0.05</b>	0.956	<b>-1.029163</b>	.9732245
c.timew1w3#c.w1HCYcenter2p15			<b>.0616147</b>	.1149649	<b>0.54</b>	0.592	<b>-.1637161</b>	.2869456
	_cons		<b>6.784014</b>	.6083196	<b>11.15</b>	0.000	<b>5.591307</b>	<b>7.976721</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.2116859</b>	.2674024	<b>.0177984</b>	2.517688
sd(_cons)	<b>2.822733</b>	.2331044	<b>2.40091</b>	3.318667
corr(timew1w3,_cons)	<b>.2877404</b>	.9213268	<b>-.9319122</b>	.9786659
sd(Residual)	<b>2.337279</b>	.2331971	<b>1.922103</b>	2.842134

509 .  
 510 .  
 511 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4eobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations =	5
Mixed-effects ML regression	Number of obs =	1,067
Group variable: HNDID		
	Number of groups =	612
	Obs per group:	
	min =	1
	avg =	1.7
	max =	2
	Average RVI =	0.0309
	Largest FMI =	0.2421
DF adjustment: Large sample	DF: min =	80.16
	avg =	3050380.17
	max =	2.99e+07
Model F test: Equal FMI	F( 25, 73262.2) =	7.13
	Prob > F =	0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>- .0013106</b>	.0802523	<b>-0.02</b>	<b>0.987</b>	<b>-.158613</b> <b>.1559918</b>
w1Agecent48	<b>- .0016858</b>	.0091137	<b>-0.18</b>	<b>0.853</b>	<b>-.0195483</b> <b>.0161768</b>
c.timew1w3#c.w1Agecent48	<b>- .0060584</b>	.0022194	<b>-2.73</b>	<b>0.006</b>	<b>-.0104084</b> <b>-.0017084</b>
timew1w3	0	(omitted)			
Sex					
Men	<b>-.4577543</b>	.1719823	<b>-2.66</b>	<b>0.008</b>	<b>-.7948428</b> <b>-.1206658</b>
Sex#c.timew1w3					
Men	<b>.0398957</b>	.0415874	<b>0.96</b>	<b>0.337</b>	<b>-.0416145</b> <b>.1214059</b>
timew1w3	0	(omitted)			
Race					
White	0	(omitted)			
Race#c.timew1w3					
White	0	(omitted)			
timew1w3	0	(omitted)			
PovStat					
Below	<b>-.1598724</b>	.1876151	<b>-0.85</b>	<b>0.394</b>	<b>-.5275914</b> <b>.2078466</b>
PovStat#c.timew1w3					
Below	<b>-.0181911</b>	.0454007	<b>-0.40</b>	<b>0.689</b>	<b>-.1071748</b> <b>.0707926</b>
timew1w3	0	(omitted)			
w1edubr					
2	<b>.4872069</b>	.3131857	<b>1.56</b>	<b>0.120</b>	<b>-.1266314</b> <b>1.101045</b>
3	<b>.6830126</b>	.363449	<b>1.88</b>	<b>0.060</b>	<b>-.0295979</b> <b>1.395623</b>
w1edubr#c.timew1w3					
2	<b>-.0738669</b>	.0747802	<b>-0.99</b>	<b>0.323</b>	<b>-.220439</b> <b>.0727051</b>

	3	<b>- .1525384</b>	<b>.0870815</b>	<b>-1.75</b>	<b>0.080</b>	<b>-.323222</b>	<b>.0181452</b>
	timew1w3	<b>0</b>	(omitted)				
w1WRATtotalcent42		<b>.0720902</b>	<b>.0130753</b>	<b>5.51</b>	<b>0.000</b>	<b>.0464626</b>	<b>.0977177</b>
c.timew1w3#c.w1WRATtotalcent42		<b>.0066359</b>	<b>.0032524</b>	<b>2.04</b>	<b>0.041</b>	<b>.0002613</b>	<b>.0130106</b>
	timew1w3	<b>0</b>	(omitted)				
1.w1smoke		<b>-.2742452</b>	<b>.19218</b>	<b>-1.43</b>	<b>0.154</b>	<b>-.651206</b>	<b>.1027157</b>
	w1smoke#c.timew1w3	<b>0</b>	(omitted)				
1		<b>-.0028739</b>	<b>.0483226</b>	<b>-0.06</b>	<b>0.953</b>	<b>-.0976138</b>	<b>.091866</b>
	timew1w3	<b>0</b>	(omitted)				
1.w1currdrugs		<b>.1576433</b>	<b>.260302</b>	<b>0.61</b>	<b>0.545</b>	<b>-.3547785</b>	<b>.670065</b>
	w1currdrugs#c.timew1w3	<b>0</b>	(omitted)				
1		<b>.0036946</b>	<b>.0630333</b>	<b>0.06</b>	<b>0.953</b>	<b>-.1200065</b>	<b>.1273957</b>
	timew1w3	<b>0</b>	(omitted)				
w1hei2010_total_scorecent43		<b>-.007963</b>	<b>.0080645</b>	<b>-0.99</b>	<b>0.326</b>	<b>-.0240113</b>	<b>.0080853</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0025349</b>	<b>.0018783</b>	<b>1.35</b>	<b>0.177</b>	<b>-.001148</b>	<b>.0062178</b>
	timew1w3	<b>0</b>	(omitted)				
w1BMIcon30		<b>-.0234495</b>	<b>.011697</b>	<b>-2.00</b>	<b>0.045</b>	<b>-.0463771</b>	<b>-.0005218</b>
c.timew1w3#c.w1BMIcon30		<b>.004743</b>	<b>.0028902</b>	<b>1.64</b>	<b>0.101</b>	<b>-.0009218</b>	<b>.0104078</b>
	timew1w3	<b>0</b>	(omitted)				
invmillsmms		<b>.0018193</b>	<b>.0034765</b>	<b>0.52</b>	<b>0.601</b>	<b>-.0049945</b>	<b>.008633</b>
c.timew1w3#c.invmillsmms		<b>-.0009631</b>	<b>.0007568</b>	<b>-1.27</b>	<b>0.203</b>	<b>-.0024463</b>	<b>.0005202</b>
	timew1w3	<b>0</b>	(omitted)				
w1HCYcenter2p15		<b>-.2993786</b>	<b>.2847851</b>	<b>-1.05</b>	<b>0.293</b>	<b>-.8575483</b>	<b>.2587911</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0064108</b>	<b>.0698152</b>	<b>-0.09</b>	<b>0.927</b>	<b>-.1432462</b>	<b>.1304246</b>
	_cons	<b>6.8873</b>	<b>.3285422</b>	<b>20.96</b>	<b>0.000</b>	<b>6.243368</b>	<b>7.531232</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.1813985</b>	<b>.0867512</b>	<b>.0710491</b>	<b>.4631364</b>
sd(_cons)	<b>1.349874</b>	<b>.1471265</b>	<b>1.09023</b>	<b>1.671352</b>
corr(timew1w3,_cons)	<b>-.2273778</b>	<b>.2068858</b>	<b>-.5777097</b>	<b>.1936949</b>
<b>sd(Residual)</b>	<b>1.257485</b>	<b>.1343442</b>	<b>1.019916</b>	<b>1.550392</b>

512 .

```
513 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4fobs==1 & Race==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

	Imputations	=	5
	Number of obs	=	1,200
Group variable: HNDID	Number of groups	=	625
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	0.0510
	Largest FMI	=	0.3663
DF adjustment: Large sample	DF: min	=	36.23
	avg	=	2156825.94
	max	=	5.52e+07
Model F test: Equal FMI	F( 25, 28966.2)	=	8.76
	Prob > F	=	0.0000

	FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.1635714	.1770432	0.92	0.356	.1836749	.5108178
w1Agecent48	-.1032494	.0233835	-4.42	0.000	-.1490811	-.0574176
c.timew1w3#c.w1Agecent48	-.0015322	.0048511	-0.32	0.752	-.0110402	.0079759
timew1w3	0 (omitted)					
Sex						
Men	.8041484	.4275852	1.88	0.060	-.0339088	1.642206
Sex#c.timew1w3						
Men	-.0584524	.0893199	-0.65	0.513	-.2335193	.1166145
timew1w3	0 (omitted)					
Race						
White	0 (omitted)					
Race#c.timew1w3						
White	0 (omitted)					
timew1w3	0 (omitted)					
PovStat						
Below	-.8526616	.4775388	-1.79	0.074	-1.788621	.083298
PovStat#c.timew1w3						
Below	-.0114817	.0987789	-0.12	0.907	-.2050852	.1821218
timew1w3	0 (omitted)					
w1edubr						
2	-.3740856	.7908963	-0.47	0.636	-1.924228	1.176057
3	1.623664	.9117137	1.78	0.075	-.1636709	3.410999
w1edubr#c.timew1w3						
2	-.089763	.1662822	-0.54	0.589	-.4159296	.2364036
3	-.1771115	.194849	-0.91	0.364	-.5595046	.2052815

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.1885326	.0322543	5.85	0.000	.1253112	.2517541
c.timew1w3#c.w1WRATtotalcent42		.0069208	.0068053	1.02	0.309	-.0064208	.0202624
	timew1w3	0	(omitted)				
	1.w1smoke	-.7034845	.4990413	-1.41	0.160	-1.688353	.2813844
	w1smoke#c.timew1w3						
	1	.0501162	.1065931	0.47	0.638	-.158896	.2591284
	timew1w3	0	(omitted)				
	1.w1currdrugs	.301767	.6273827	0.48	0.631	-.9312477	1.534782
	w1currdrugs#c.timew1w3						
	1	.0769698	.1353671	0.57	0.570	-.1887874	.3427269
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	.0363866	.0207891	1.75	0.089	-.0057663	.0785395
c.timew1w3#c.w1hei2010_total_scorecent43		-.0024412	.0041197	-0.59	0.554	-.0105203	.0056378
	timew1w3	0	(omitted)				
	w1BMIcon30	.0340682	.0297216	1.15	0.252	-.0241926	.092329
c.timew1w3#c.w1BMIcon30		.0029928	.0062824	0.48	0.634	-.0093205	.0153061
	timew1w3	0	(omitted)				
	invmillsmms	.0082949	.0094134	0.88	0.378	-.010155	.0267449
c.timew1w3#c.invmillsmms		-.0013861	.0017306	-0.80	0.423	-.0047781	.0020059
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.9411531	.7031297	-1.34	0.181	-2.31929	.4369843
c.timew1w3#c.w1HCYcenter2p15		.1675608	.1512357	1.11	0.268	-.1288576	.4639792
	_cons	19.31797	.8389928	23.03	0.000	17.67294	20.963

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	.2384622	.3039811	.0196032	2.900759	
sd(_cons)	3.923567	.2566407	3.451461	4.460251	
corr(timew1w3,_cons)	-.0554352	.3504432	-.6318426	.5604528	
sd(Residual)	3.124947	.242044	2.684774	3.637288	

514 .

```
515 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4gobs==1 & Race==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

	Imputations =	5
	Number of obs =	1,171
Group variable: HNDID	Number of groups =	623
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
DF adjustment: Large sample	Average RVI =	0.0738
	Largest FMI =	0.5422
	DF: min =	16.64
	avg =	874,244.02
	max =	1.08e+07
Model F test: Equal FMI	F( 25, 14259.3) =	11.68
	Prob > F =	0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0018072	.069798	0.03	0.979	-.1350029 .1386172
w1Agecent48	-.007387	.0088641	-0.83	0.405	-.0247636 .0099896
c.timew1w3#c.w1Agecent48	-.0007368	.0019272	-0.38	0.702	-.0045143 .0030406
timew1w3	0 (omitted)				
Sex Men	.2048591	.1618528	1.27	0.206	-.1123728 .5220911
Sex#c.timew1w3 Men	.001514	.0355228	0.04	0.966	-.0681096 .0711375
timew1w3	0 (omitted)				
Race White	0 (omitted)				
Race#c.timew1w3 White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat Below	-.0476722	.179276	-0.27	0.790	-.3990564 .303712
PovStat#c.timew1w3 Below	.0082735	.0391935	0.21	0.833	-.0685484 .0850954
timew1w3	0 (omitted)				
w1edubr 2	-.2725286	.3037617	-0.90	0.370	-.8679527 .3228956
3	.4072701	.3462663	1.18	0.240	-.2715577 1.086098
w1edubr#c.timew1w3 2	.0244129	.0652081	0.37	0.708	-.1033927 .1522184
3	-.0224552	.0756694	-0.30	0.767	-.1707716 .1258611

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.1404816	.0122519	11.47	0.000	.1164654	.1644978
c.timew1w3#c.w1WRATtotalcent42		.0012873	.0027251	0.47	0.637	-.0040539	.0066285
	timew1w3	0	(omitted)				
	1.w1smoke	.4269818	.1793026	2.38	0.017	.0752304	.7787332
w1smoke#c.timew1w3		- .0290777	.0431077	-0.67	0.500	-.1137455	.0555902
	timew1w3	0	(omitted)				
	1.w1currdrugs	.2252551	.3192153	0.71	0.490	-.4493476	.8998578
w1currdrugs#c.timew1w3		.0081433	.0549931	0.15	0.882	-.0998622	.1161488
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	.0002939	.0070357	0.04	0.967	-.0135786	.0141665
c.timew1w3#c.w1hei2010_total_scorecent43		.0003697	.0016297	0.23	0.821	-.0028257	.0035651
	timew1w3	0	(omitted)				
	w1BMIcon30	-.0005278	.0112167	-0.05	0.962	-.0225156	.0214601
c.timew1w3#c.w1BMIcon30		-.0024701	.0025366	-0.97	0.330	-.0074428	.0025027
	timew1w3	0	(omitted)				
	invmillsmms	.0060385	.0035722	1.69	0.091	-.0009631	.0130402
c.timew1w3#c.invmillsmms		-.0004338	.0006899	-0.63	0.529	-.0017861	.0009184
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.0831395	.2673449	-0.31	0.756	-.607153	.4408739
c.timew1w3#c.w1HCYcenter2p15		-.0028377	.0603544	-0.05	0.962	-.1211331	.1154578
	_cons	7.011886	.3211702	21.83	0.000	6.382123	7.64165

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	.1752865	.053703	.0961531	.3195462	
sd(_cons)	1.526418	.0916834	1.356894	1.717121	
corr(timew1w3,_cons)	-.1434273	.1535377	-.4232757	.1614057	
sd(Residual)	1.124561	.0894848	.962166	1.314364	

516 .

```
517 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4hobs==1 & Race==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

	Imputations	=	5
	Number of obs	=	1,168
Group variable: HNDID	Number of groups	=	625
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	.
	Largest FMI	=	.
DF adjustment: Large sample	DF: min	=	0.00
	avg	=	.
	max	=	.
Model F test: Equal FMI	F( 25, 24148.6)	=	11.96
	Prob > F	=	0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0000493	.0704826	0.00	0.999	-.1381328 .1382315
w1Agecent48	-.0136328	.009034	-1.51	0.131	-.0313395 .0040739
c.timew1w3#c.w1Agecent48	-.000956	.0018901	-0.51	0.613	-.0046606 .0027486
timew1w3	0 (omitted)				
Sex Men	-.0520185	.1666264	-0.31	0.755	-.3786064 .2745694
Sex#c.timew1w3 Men	.0182947	.0353779	0.52	0.605	-.051047 .0876364
timew1w3	0 (omitted)				
Race White	0 (omitted)				
Race#c.timew1w3 White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat Below	.0014671	.1855631	0.01	0.994	-.3622521 .3651863
PovStat#c.timew1w3 Below	-.0228488	.0387734	-0.59	0.556	-.0988441 .0531464
timew1w3	0 (omitted)				
w1edubr 2	-.3796886	.3118038	-1.22	0.223	-.990838 .2314607
3	.2293309	.3534374	0.65	0.516	-.4633972 .9220591
w1edubr#c.timew1w3 2	.033524	.0653494	0.51	0.608	-.0945608 .1616088
3	-.0469227	.0753734	-0.62	0.534	-.1946528 .1008074

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.1429949	.0127101	11.25	0.000	.1180766	.1679132
c.timew1w3#c.w1WRATtotalcent42		.0008378	.002716	0.31	0.758	-.0044859	.0061614
	timew1w3	0	(omitted)				
	1.w1smoke	.1255977	.2195138	0.57	0.571	-.3191337	.5703292
w1smoke#c.timew1w3		- .012696	.0463296	-0.27	0.785	-.104808	.0794159
	timew1w3	0	(omitted)				
	1.w1currdrugs	.0801762	.2367187	0.34	0.735	-.3837988	.5441512
w1currdrugs#c.timew1w3		- .0018775	.0526985	-0.04	0.972	-.1051812	.1014261
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	.0034598	.0084512	0.41	0.685	-.0137976	.0207172
c.timew1w3#c.w1hei2010_total_scorecent43		.0005632	.0017717	0.32	0.751	-.0029493	.0040756
	timew1w3	0	(omitted)				
	w1BMICent30	-.0047266	.0115874	-0.41	0.683	-.0274481	.017995
c.timew1w3#c.w1BMICent30		.0002254	.0025101	0.09	0.928	-.0046954	.0051461
	timew1w3	0	(omitted)				
	invmillsmms	.0053462	.003668	1.46	0.145	-.0018429	.0125354
c.timew1w3#c.invmillsmms		-.0001896	.0006819	-0.28	0.781	-.001526	.0011468
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.0191289	.2734247	-0.07	0.944	-.5550379	.5167801
c.timew1w3#c.w1HCYcenter2p15		-.0396529	.0593881	-0.67	0.504	-.1560515	.0767458
	_cons	5.880675	.3326174	17.68	0.000	5.228332	6.533018

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.0194098	.	.
sd(_cons)	1.488217	.	.
corr(timew1w3,_cons)	-.9999999	.	.
sd(Residual)	1.268277	.	.

518 .

```
519 . mi estimate: mixed clock_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4iobs==1 & Race==1 || HNDID: timew1w3
```

Multiple-imputation estimates  
Mixed-effects ML regression

	Imputations	=	5
	Number of obs	=	1,206
Group variable: HNDID	Number of groups	=	626
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	0.0307
	Largest FMI	=	0.2354
DF adjustment: Large sample	DF: min	=	84.55
	avg	=	852,078.15
	max	=	1.46e+07
Model F test: Equal FMI	F( 25, 80814.2)	=	3.77
	Prob > F	=	0.0000

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0562427</b>	.0497379	-1.13	0.258	-.1537542 .0412688
w1Agecent48	<b>-.0034154</b>	.004988	-0.68	0.494	-.0131919 .006361
c.timew1w3##c.w1Agecent48	<b>-.0023979</b>	.0013737	-1.75	0.081	-.0050903 .0002945
timew1w3	0 (omitted)				
Sex Men	<b>.022036</b>	.0910551	0.24	0.809	-.1564289 .2005009
Sex##c.timew1w3 Men	<b>.005825</b>	.0251825	0.23	0.817	-.0435319 .0551818
timew1w3	0 (omitted)				
Race White	0 (omitted)				
Race##c.timew1w3 White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat Below	<b>.0451697</b>	.1016407	0.44	0.657	-.1540451 .2443846
PovStat##c.timew1w3 Below	<b>-.0182889</b>	.0276382	-0.66	0.508	-.0724589 .035881
timew1w3	0 (omitted)				
w1edubr 2	<b>-.2451775</b>	.172193	-1.42	0.155	-.5826882 .0923333
3	<b>.0125793</b>	.1969626	0.06	0.949	-.3734985 .3986572
w1edubr##c.timew1w3 2	<b>.0606551</b>	.046392	1.31	0.191	-.030277 .1515871
3	<b>.0563221</b>	.0538504	1.05	0.296	-.0492334 .1618775

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.0272669	.0068966	3.95	0.000	.0137494	.0407844
c.timew1w3#c.w1WRATtotalcent42		-.0009873	.00191	-0.52	0.605	-.0047311	.0027565
	timew1w3	0	(omitted)				
	1.w1smoke	-.0779345	.1166772	-0.67	0.506	-.3099381	.1540691
w1smoke#c.timew1w3		.0001025	.0303542	0.00	0.997	-.0595022	.0597072
	timew1w3	0	(omitted)				
	1.w1currrdrugs	.3651676	.1493154	2.45	0.016	.0688523	.6614828
w1currrdrugs#c.timew1w3		-.0763463	.037954	-2.01	0.045	-.1508242	-.0018685
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	.0049073	.0040455	1.21	0.225	-.00303	.0128446
c.timew1w3#c.w1hei2010_total_scorecent43		.0000363	.0011657	0.03	0.975	-.0022513	.0023239
	timew1w3	0	(omitted)				
	w1BMICent30	.0006444	.0063202	0.10	0.919	-.0117447	.0130335
c.timew1w3#c.w1BMICent30		-.0002414	.0017751	-0.14	0.892	-.0037207	.0032379
	timew1w3	0	(omitted)				
	invmillsmms	.0001299	.0020336	0.06	0.949	-.0038558	.0041157
c.timew1w3#c.invmillsmms		-.0001651	.0004994	-0.33	0.741	-.001144	.0008138
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.1115407	.1499194	-0.74	0.457	-.4053813	.1822999
c.timew1w3#c.w1HCYcenter2p15		-.017725	.0427546	-0.41	0.678	-.1015239	.0660739
	_cons	9.027701	.1821859	49.55	0.000	8.670486	9.384915

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Independent					
sd(timew1w3)	.0532601	.0413661	.0116222	.2440715	
sd(_cons)	.57807	.0448039	.4965994	.6729065	
sd(Residual)	.9157799	.0356464	.8485121	.9883804	

520 .

```
521 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4jobs==1 & Race==1 || HNDID: timew1w3
```

Multiple-imputation estimates  
Mixed-effects ML regression

	Imputations	=	5
	Number of obs	=	1,186
Group variable: HNDID	Number of groups	=	619
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
DF adjustment: Large sample	Average RVI	=	0.0452
	Largest FMI	=	0.3643
	DF: min	=	36.61
	avg	=	388,850.89
	max	=	3545889.79
Model F test: Equal FMI	F( 25, 37679.5)	=	5.67
	Prob > F	=	0.0000

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0072097	.0115579	0.62	0.533	-.0154707 .02989
w1Agecent48	.0064871	.0014007	4.63	0.000	.0037418 .0092324
c.timew1w3#c.w1Agecent48	.0006821	.0003124	2.18	0.029	.0000698 .0012944
timew1w3	0 (omitted)				
Sex					
Men	.0533898	.0257938	2.07	0.038	.0028344 .1039452
Sex#c.timew1w3					
Men	.0091967	.005736	1.60	0.109	-.0020457 .020439
timew1w3	0 (omitted)				
Race					
White	0 (omitted)				
Race#c.timew1w3					
White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	.0595	.0286126	2.08	0.038	.0034196 .1155805
PovStat#c.timew1w3					
Below	-.0075152	.0063006	-1.19	0.233	-.0198643 .0048339
timew1w3	0 (omitted)				
w1edubr					
2	-.0784474	.0484301	-1.62	0.105	-.1733769 .016482
3	-.0681328	.0547666	-1.24	0.213	-.1754794 .0392137
w1edubr#c.timew1w3					
2	-.0090581	.0108133	-0.84	0.402	-.0302694 .0121532
3	-.0125266	.0125171	-1.00	0.317	-.0370869 .0120336

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	<b>- .0095373</b>	<b>.0019437</b>	<b>-4.91</b>	<b>0.000</b>	<b>-.0133468</b>	<b>-.0057278</b>
c.timew1w3#c.w1WRATtotalcent42		<b>.0000492</b>	<b>.0004433</b>	<b>0.11</b>	<b>0.912</b>	<b>-.0008199</b>	<b>.0009184</b>
	timew1w3	0	(omitted)				
	1.w1smoke	<b>.013273</b>	<b>.0320691</b>	<b>0.41</b>	<b>0.680</b>	<b>-.0507647</b>	<b>.0773107</b>
w1smoke#c.timew1w3		<b>.0083413</b>	<b>.0071343</b>	<b>1.17</b>	<b>0.243</b>	<b>-.0057045</b>	<b>.0223871</b>
	timew1w3	0	(omitted)				
	1.w1currdrugs	<b>-.0101493</b>	<b>.0386171</b>	<b>-0.26</b>	<b>0.793</b>	<b>-.0861503</b>	<b>.0658517</b>
w1currdrugs#c.timew1w3		<b>.0057443</b>	<b>.0087195</b>	<b>0.66</b>	<b>0.510</b>	<b>-.0113583</b>	<b>.0228469</b>
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	<b>-.0002984</b>	<b>.0012743</b>	<b>-0.23</b>	<b>0.816</b>	<b>-.0028812</b>	<b>.0022844</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0001172</b>	<b>.0002799</b>	<b>0.42</b>	<b>0.676</b>	<b>-.000435</b>	<b>.0006695</b>
	timew1w3	0	(omitted)				
	w1BMIcon30	<b>-.0001509</b>	<b>.0017819</b>	<b>-0.08</b>	<b>0.933</b>	<b>-.0036439</b>	<b>.0033421</b>
c.timew1w3#c.w1BMIcon30		<b>.000582</b>	<b>.0004025</b>	<b>1.45</b>	<b>0.148</b>	<b>-.000207</b>	<b>.0013709</b>
	timew1w3	0	(omitted)				
	invmillsmms	<b>-.0003954</b>	<b>.0005648</b>	<b>-0.70</b>	<b>0.484</b>	<b>-.0015024</b>	<b>.0007116</b>
c.timew1w3#c.invmillsmms		<b>-.0001268</b>	<b>.000111</b>	<b>-1.14</b>	<b>0.253</b>	<b>-.0003444</b>	<b>.0000907</b>
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	<b>.0612037</b>	<b>.0422805</b>	<b>1.45</b>	<b>0.148</b>	<b>-.0216647</b>	<b>.1440721</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0143816</b>	<b>.0096867</b>	<b>-1.48</b>	<b>0.138</b>	<b>-.0333672</b>	<b>.0046041</b>
	_cons	<b>3.398971</b>	<b>.0508414</b>	<b>66.85</b>	<b>0.000</b>	<b>3.2993</b>	<b>3.498643</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Independent</b>					
sd(timew1w3)	<b>.0255439</b>	<b>.0054461</b>	<b>.0168191</b>	<b>.0387945</b>	
sd(_cons)	<b>.2358215</b>	<b>.009713</b>	<b>.2175324</b>	<b>.2556481</b>	
sd(Residual)	<b>.1869805</b>	<b>.0088665</b>	<b>.1703856</b>	<b>.2051917</b>	

522 .

```
523 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4kobs==1 & Race==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

	Imputations	=	5
	Number of obs	=	1,156
Group variable: HNDID	Number of groups	=	615
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	.
	Largest FMI	=	.
DF adjustment: Large sample	DF: min	=	0.00
	avg	=	.
	max	=	.
Model F test: Equal FMI	F( 25, 32097.1)	=	13.31
	Prob > F	=	0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0101128</b>	.0158873	-0.64	0.524	-.0412518 .0210263
w1Agecent48	<b>.0096306</b>	.0023006	4.19	0.000	.0051214 .0141397
c.timew1w3#c.w1Agecent48	<b>.0008132</b>	.0004284	1.90	0.058	-.0000265 .001653
timew1w3	0 (omitted)				
Sex					
Men	<b>.0907815</b>	.0423696	2.14	0.032	.0077383 .1738246
Sex#c.timew1w3					
Men	<b>-.0075442</b>	.0079761	-0.95	0.344	-.0231775 .0080892
timew1w3	0 (omitted)				
Race					
White	0 (omitted)				
Race#c.timew1w3					
White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	<b>.118889</b>	.0469907	2.53	0.011	.026789 .2109891
PovStat#c.timew1w3					
Below	<b>-.0072051</b>	.0088954	-0.81	0.418	-.0246403 .0102301
timew1w3	0 (omitted)				
w1edubr					
2	<b>-.1279804</b>	.078994	-1.62	0.105	-.282806 .0268451
3	<b>-.2244052</b>	.0911118	-2.46	0.014	-.4030706 -.0457399
w1edubr#c.timew1w3					
2	<b>.024903</b>	.015162	1.64	0.100	-.004814 .0546199
3	<b>.0246171</b>	.0174489	1.41	0.158	-.0095829 .0588171

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	<b>- .0303518</b>	<b>.0032222</b>	<b>-9.42</b>	<b>0.000</b>	<b>-.0366677</b>	<b>-.024036</b>
c.timew1w3#c.w1WRATtotalcent42		<b>.0000756</b>	<b>.0006581</b>	<b>0.11</b>	<b>0.909</b>	<b>-.0012143</b>	<b>.0013654</b>
	timew1w3	0	(omitted)				
	1.w1smoke	<b>.0281451</b>	<b>.0485867</b>	<b>0.58</b>	<b>0.563</b>	<b>-.0676024</b>	<b>.1238925</b>
	w1smoke#c.timew1w3						
	1	<b>-.0060996</b>	<b>.0098236</b>	<b>-0.62</b>	<b>0.535</b>	<b>-.0253969</b>	<b>.0131976</b>
	timew1w3	0	(omitted)				
	1.w1currdrugs	<b>-.0228832</b>	<b>.0654581</b>	<b>-0.35</b>	<b>0.727</b>	<b>-.1525954</b>	<b>.106829</b>
	w1currdrugs#c.timew1w3						
	1	<b>-.0088256</b>	<b>.0119453</b>	<b>-0.74</b>	<b>0.460</b>	<b>-.0322496</b>	<b>.0145984</b>
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	<b>.0001949</b>	<b>.0018412</b>	<b>0.11</b>	<b>0.916</b>	<b>-.0034446</b>	<b>.0038345</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0005765</b>	<b>.0003953</b>	<b>-1.46</b>	<b>0.147</b>	<b>-.0013568</b>	<b>.0002038</b>
	timew1w3	0	(omitted)				
	w1BMIcon30	<b>.0001987</b>	<b>.0029009</b>	<b>0.07</b>	<b>0.945</b>	<b>-.0054871</b>	<b>.0058845</b>
c.timew1w3#c.w1BMIcon30		<b>-.0009183</b>	<b>.0005641</b>	<b>-1.63</b>	<b>0.104</b>	<b>-.0020241</b>	<b>.0001875</b>
	timew1w3	0	(omitted)				
	invmillsmms	<b>-.0030842</b>	<b>.0009286</b>	<b>-3.32</b>	<b>0.001</b>	<b>-.0049041</b>	<b>-.0012642</b>
c.timew1w3#c.invmillsmms		<b>-.0000248</b>	<b>.0006079</b>	<b>-0.04</b>	<b>0.967</b>	<b>-.0012162</b>	<b>.0011665</b>
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	<b>.0071131</b>	<b>.069435</b>	<b>0.10</b>	<b>0.918</b>	<b>-.1289769</b>	<b>.1432032</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0019296</b>	<b>.0132882</b>	<b>0.15</b>	<b>0.885</b>	<b>-.0241149</b>	<b>.0279741</b>
	_cons	<b>4.504065</b>	<b>.0829956</b>	<b>54.27</b>	<b>0.000</b>	<b>4.341381</b>	<b>4.666749</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	<b>.0195847</b>	.	.
sd(_cons)	<b>.409559</b>	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.
sd(Residual)	<b>.2772415</b>	.	.

```

524 .
525 .
526 . save, replace
      file finaldata_imputed_FINAL.dta saved

527 .
528 .
529 . //MODEL 3: FULLY ADJUSTED MODEL: MODEL 2 + HEALTH-RELATED FACTORS///
530 .
531 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Race==1 || HNDID: timew1w3, cov(un)

```

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: HNDID	Number of imputations = 5
	Number of obs = 1,157
	Number of groups = 620
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
	Average RVI = 0.0282
	Largest FMI = 0.1410
DF adjustment: Large sample	DF: min = 224.71
	avg = 4087978.73
	max = 1.41e+08
Model F test: Equal FMI	F( 41,172093.4) = 14.90
	Prob > F = 0.0000

	MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.083453	.0736091	1.13	0.257	-.0609655	.2278714
w1Agecent48	-.0091922	.0073761	-1.25	0.213	-.0236494	.005265
c.timew1w3#c.w1Agecent48	-.0048737	.0017623	-2.77	0.006	-.0083278	-.0014196
timew1w3	0 (omitted)					
Sex						
Men	-.4810374	.1299791	-3.70	0.000	-.735792	-.2262828
Sex#c.timew1w3						
Men	.0517143	.0312478	1.65	0.098	-.009534	.1129625
timew1w3	0 (omitted)					
Race						
White	0 (omitted)					
Race#c.timew1w3						
White	0 (omitted)					
timew1w3	0 (omitted)					
PovStat						
Below	.0944338	.1423246	0.66	0.507	-.1845218	.3733894
PovStat#c.timew1w3						
Below	-.0413696	.0340481	-1.22	0.224	-.1081032	.0253641

	timew1w3	0	(omitted)				
w1edubr							
2	.4473263	.2365984	1.89	0.059	-.0165133	.911166	
3	.5926355	.2719244	2.18	0.029	.0595301	1.125741	
w1edubr#c.timew1w3							
2	-.0747755	.0578659	-1.29	0.196	-.1882631	.0387121	
3	-.031917	.0656793	-0.49	0.627	-.1606654	.0968315	
timew1w3	0	(omitted)					
w1WRATtotalcent42	.1538873	.0096408	15.96	0.000	.1349916	.1727829	
c.timew1w3#c.w1WRATtotalcent42	-.0118009	.0026297	-4.49	0.000	-.0169555	-.0066462	
timew1w3	0	(omitted)					
1.w1smoke	.0811972	.1544574	0.53	0.600	-.223173	.3855675	
w1smoke#c.timew1w3							
1	-.0613693	.0377489	-1.63	0.105	-.135543	.0128044	
timew1w3	0	(omitted)					
1.w1currdrugs	-.0149444	.1857346	-0.08	0.936	-.37904	.3491513	
w1currdrugs#c.timew1w3							
1	.0223744	.0468522	0.48	0.633	-.0698175	.1145663	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	-.0015204	.0056296	-0.27	0.787	-.0125853	.0095446	
c.timew1w3#c.w1hei2010_total_scorecent43	-.0000907	.0014118	-0.06	0.949	-.0028646	.0026832	
timew1w3	0	(omitted)					
w1BMIcon30	.0052025	.0094301	0.55	0.581	-.0132806	.0236857	
c.timew1w3#c.w1BMIcon30	-.0003809	.0022762	-0.17	0.867	-.0048421	.0040804	
timew1w3	0	(omitted)					
w1SRH							
2	.2185513	.173304	1.26	0.207	-.121119	.5582216	
3	.0912775	.1905843	0.48	0.632	-.2822638	.4648188	
w1SRH#c.timew1w3							
2	-.0268661	.0424155	-0.63	0.526	-.1099998	.0562676	
3	.0073238	.0473794	0.15	0.877	-.0855607	.1002083	
timew1w3	0	(omitted)					
w1CEScent15	-.0031829	.0059775	-0.53	0.594	-.0148987	.0085329	
c.timew1w3#c.w1CEScent15	.0008252	.0014466	0.57	0.568	-.0020102	.0036605	
timew1w3	0	(omitted)					
w1dxHTN							
Yes	-.0122715	.1505207	-0.08	0.935	-.30733	.2827869	
w1dxHTN#c.timew1w3							
Yes	.0033587	.0372203	0.09	0.928	-.069596	.0763133	
timew1w3	0	(omitted)					
w1dxDiabetes							

	preDiabetes	<b>- .1622468</b>	.1571925	<b>-1.03</b>	0.302	<b>-.4703533</b>	.1458598
	Diabetes	<b>-.0675026</b>	.1980935	<b>-0.34</b>	0.733	<b>-.4558078</b>	.3208027
w1dxDiabetes#c.timew1w3							
	preDiabetes	<b>.0875978</b>	.0384152	<b>2.28</b>	0.023	<b>.0123051</b>	.1628905
	Diabetes	<b>-.0398575</b>	.048989	<b>-0.81</b>	0.416	<b>-.1358764</b>	.0561614
	timew1w3		<b>0</b> (omitted)				
w1CVhighChol							
	Yes	<b>.1825084</b>	.1486996	<b>1.23</b>	0.220	<b>-.1091919</b>	.4742087
w1CVhighChol#c.timew1w3							
	Yes	<b>.0479018</b>	.0384918	<b>1.24</b>	0.214	<b>-.0278641</b>	.1236678
	timew1w3		<b>0</b> (omitted)				
	1.w1cvdbr	<b>.0020712</b>	.1898918	<b>0.01</b>	0.991	<b>-.3702927</b>	.374435
w1cvdbr#c.timew1w3							
	1	<b>-.0595373</b>	.047069	<b>-1.26</b>	0.206	<b>-.1518796</b>	.032805
	timew1w3		<b>0</b> (omitted)				
	invmillsmms	<b>.0101391</b>	.0027903	<b>3.63</b>	0.000	<b>.0046701</b>	.015608
c.timew1w3#c.invmillsmms		<b>-.0019505</b>	.0005978	<b>-3.26</b>	0.001	<b>-.0031221</b>	<b>-.0007789</b>
	timew1w3		<b>0</b> (omitted)				
	w1HCYcenter2p15	<b>.2552725</b>	.2089689	<b>1.22</b>	0.222	<b>-.1542996</b>	.6648445
c.timew1w3#c.w1HCYcenter2p15		<b>-.0546327</b>	.0509628	<b>-1.07</b>	0.284	<b>-.1545181</b>	.0452526
	_cons	<b>27.37219</b>	.2939062	<b>93.13</b>	0.000	<b>26.796</b>	<b>27.94838</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.1076299</b>	.0801915	<b>.0249879</b>	<b>.4635919</b>
sd(_cons)	<b>1.048193</b>	.1025832	<b>.8652386</b>	<b>1.269833</b>
corr(timew1w3,_cons)	<b>-.9975299</b>	<b>1.061093</b>	-1	1
sd(Residual)	<b>1.039367</b>	.0871332	<b>.8818809</b>	<b>1.224977</b>

532 .

533 .

534 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms //> c.timew1w3##c.w1HCYcenter2p15 //> if sample4aobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,157

Group variable: HNDID Number of groups = 620  
 Obs per group:  
     min = 1  
     avg = 1.9  
     max = 2  
 Average RVI = .  
 Largest FMI = .  
 DF adjustment: Large sample DF: min = 0.00  
     avg = .  
     max = .  
 Model F test: Equal FMI F( 41,91621.9) = 12.53  
 Prob > F = 0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.6646952	.6496188	1.02	0.306	-.6098229 1.939213
w1Agecent48	-.1268584	.0603947	-2.10	0.036	-.2452331 -.0084837
c.timew1w3#c.w1Agecent48	-.0399136	.0154945	-2.58	0.010	-.0702833 -.0095439
timew1w3	0 (omitted)				
Sex					
Men	-3.69654	1.062816	-3.48	0.001	-5.779621 -1.613459
Sex#c.timew1w3					
Men	.3746068	.2750723	1.36	0.173	-.1645758 .9137894
timew1w3	0 (omitted)				
Race					
White	0 (omitted)				
Race#c.timew1w3					
White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	.9923112	1.165746	0.85	0.395	-1.292553 3.277176
PovStat#c.timew1w3					
Below	-.3949183	.2990163	-1.32	0.187	-.9809816 .191145
timew1w3	0 (omitted)				
w1edubr					
2	3.86675	1.929142	2.00	0.045	.0852298 7.64827
3	5.94761	2.220518	2.68	0.007	1.594698 10.30052
w1edubr#c.timew1w3					
2	-.6995697	.504086	-1.39	0.165	-1.687783 .2886439
3	-.258253	.5733748	-0.45	0.652	-1.382076 .8655698
timew1w3	0 (omitted)				
w1WRATtotalcent42	1.069151	.0788761	13.55	0.000	.914556 1.223746
c.timew1w3#c.w1WRATtotalcent42	-.0545237	.0237073	-2.30	0.022	-.1010073 -.00804
timew1w3	0 (omitted)				
1.w1smoke	.045249	1.268181	0.04	0.972	-2.454583 2.54508

w1smoke#c.timew1w3							
1	<b>-.5324254</b>	<b>.3296901</b>	<b>-1.61</b>	<b>0.107</b>	<b>-1.179696</b>	<b>.1148449</b>	
timew1w3	0	(omitted)					
1.w1currdrugs	<b>.9037001</b>	<b>1.529839</b>	<b>0.59</b>	<b>0.555</b>	<b>-2.095895</b>	<b>3.903295</b>	
w1currdrugs#c.timew1w3							
1	<b>.0386832</b>	<b>.4245699</b>	<b>0.09</b>	<b>0.928</b>	<b>-.8007104</b>	<b>.8780767</b>	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	<b>-.0045158</b>	<b>.0472817</b>	<b>-0.10</b>	<b>0.924</b>	<b>-.0977071</b>	<b>.0886755</b>	
c.timew1w3#c.w1hei2010_total_scorecent43							
timew1w3	0	(omitted)					
w1BMIcon30	<b>.0385097</b>	<b>.0771896</b>	<b>0.50</b>	<b>0.618</b>	<b>-.1127846</b>	<b>.189804</b>	
c.timew1w3#c.w1BMIcon30							
timew1w3	0	(omitted)					
w1SRH							
2	<b>2.530357</b>	<b>1.419288</b>	<b>1.78</b>	<b>0.075</b>	<b>-.2514196</b>	<b>5.312134</b>	
3	<b>1.981988</b>	<b>1.565283</b>	<b>1.27</b>	<b>0.205</b>	<b>-1.08606</b>	<b>5.050036</b>	
w1SRH#c.timew1w3							
2	<b>-.3501985</b>	<b>.3742572</b>	<b>-0.94</b>	<b>0.349</b>	<b>-1.083747</b>	<b>.3833504</b>	
3	<b>-.1512501</b>	<b>.4208592</b>	<b>-0.36</b>	<b>0.719</b>	<b>-.9765795</b>	<b>.6740792</b>	
timew1w3	0	(omitted)					
w1CEScent15							
timew1w3	0	(omitted)					
w1CEScent15	<b>-.0517282</b>	<b>.0490124</b>	<b>-1.06</b>	<b>0.291</b>	<b>-.1477943</b>	<b>.0443379</b>	
c.timew1w3#c.w1CEScent15							
timew1w3	0	(omitted)					
w1dxHTN							
Yes	<b>.6893505</b>	<b>1.244272</b>	<b>0.55</b>	<b>0.580</b>	<b>-1.750479</b>	<b>3.12918</b>	
w1dxHTN#c.timew1w3							
Yes	<b>-.0973916</b>	<b>.3278269</b>	<b>-0.30</b>	<b>0.766</b>	<b>-.7399461</b>	<b>.5451628</b>	
timew1w3	0	(omitted)					
w1dxDiabetes							
preDiabetes	<b>-.1677841</b>	<b>1.288598</b>	<b>-0.13</b>	<b>0.896</b>	<b>-2.693513</b>	<b>2.357944</b>	
Diabetes	<b>-.3326811</b>	<b>1.638145</b>	<b>-0.20</b>	<b>0.839</b>	<b>-3.544765</b>	<b>2.879403</b>	
w1dxDiabetes#c.timew1w3							
preDiabetes	<b>.5655979</b>	<b>.3393271</b>	<b>1.67</b>	<b>0.096</b>	<b>-.0994773</b>	<b>1.230673</b>	
Diabetes	<b>-.4741236</b>	<b>.4346729</b>	<b>-1.09</b>	<b>0.275</b>	<b>-1.326182</b>	<b>.3779346</b>	
timew1w3	0	(omitted)					
w1CVhighChol							
Yes	<b>1.925624</b>	<b>1.227499</b>	<b>1.57</b>	<b>0.117</b>	<b>-.483623</b>	<b>4.334871</b>	
w1CVhighChol#c.timew1w3							
Yes	<b>.3472785</b>	<b>.3471396</b>	<b>1.00</b>	<b>0.319</b>	<b>-.3383932</b>	<b>1.03295</b>	
timew1w3	0	(omitted)					
1.w1cvdbr	<b>-.7103314</b>	<b>1.588983</b>	<b>-0.45</b>	<b>0.655</b>	<b>-3.830824</b>	<b>2.410161</b>	

w1cvdbr#c.timew1w3							
1	<b>-.3188031</b>	<b>.4033703</b>	<b>-0.79</b>	<b>0.429</b>	<b>-1.109411</b>	<b>.4718049</b>	
timew1w3	<b>0</b>	(omitted)					
invmillsmms	<b>.0611982</b>	<b>.0228725</b>	<b>2.68</b>	<b>0.007</b>	<b>.016369</b>	<b>.1060274</b>	
c.timew1w3#c.invmillsmms	<b>-.0106705</b>	<b>.0051691</b>	<b>-2.06</b>	<b>0.039</b>	<b>-.0208018</b>	<b>-.0005392</b>	
timew1w3	<b>0</b>	(omitted)					
w1HCYcenter2p15	<b>2.166108</b>	<b>1.710295</b>	<b>1.27</b>	<b>0.205</b>	<b>-1.186013</b>	<b>5.51823</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>-.4374123</b>	<b>.4494179</b>	<b>-0.97</b>	<b>0.330</b>	<b>-1.31826</b>	<b>.4434354</b>	
_cons	<b>72.50607</b>	<b>2.406723</b>	<b>30.13</b>	<b>0.000</b>	<b>67.78775</b>	<b>77.22439</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.3220759</b>	.	.
sd(_cons)	<b>7.511086</b>	.	.
corr(timew1w3,_cons)	<b>-.9999995</b>	.	.
sd(Residual)	<b>9.48623</b>	.	.

535 .  
 536 .  
 537 .  
 538 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4bobs==1 & Race==1 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,040

Group variable: HNDID

Number of groups	=	615
Obs per group:		
min	=	1
avg	=	1.7
max	=	2

Average RVI = 0.0726  
 Largest FMI = 0.6319  
 DF: min = 12.07  
 avg = 69,821.74  
 max = 1363885.66

DF adjustment: Large sample

Model F test: Equal FMI

F( 41,29378.2)	=	18.43
Prob > F	=	0.0000

	cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-1.003198</b>	.2674336	-3.75	<b>0.000</b>	<b>-1.527358</b> -.4790371
w1Agecent48		<b>-.2004298</b>	.0320605	-6.25	<b>0.000</b>	<b>-.2632813</b> -.1375784
c.timew1w3#c.w1Agecent48		<b>-.0113107</b>	.0071224	-1.59	<b>0.112</b>	<b>-.0252706</b> .0026491
	timew1w3	0	(omitted)			
Sex						
Men		<b>-2.990841</b>	.5643569	-5.30	<b>0.000</b>	<b>-4.097027</b> -1.884655
Sex#c.timew1w3						
Men		<b>-.2442778</b>	.126768	-1.93	<b>0.054</b>	<b>-.4927515</b> .004196
	timew1w3	0	(omitted)			
Race						
White		0	(omitted)			
Race#c.timew1w3						
White		0	(omitted)			
	timew1w3	0	(omitted)			
PovStat						
Below		<b>-.0495818</b>	.6099328	-0.08	<b>0.935</b>	<b>-1.245146</b> 1.145983
PovStat#c.timew1w3						
Below		<b>.0281867</b>	.1338794	0.21	<b>0.833</b>	<b>-.2342699</b> .2906433
	timew1w3	0	(omitted)			
w1edubr						
2		<b>-.1713014</b>	.9505789	-0.18	<b>0.857</b>	<b>-2.034458</b> 1.691855
3		<b>3.229023</b>	1.110607	2.91	<b>0.004</b>	<b>1.05115</b> 5.406896
w1edubr#c.timew1w3						
2		<b>.0043173</b>	.2089303	0.02	<b>0.984</b>	<b>-.4052605</b> .413895
3		<b>-.249793</b>	.2455633	-1.02	<b>0.309</b>	<b>-.7312321</b> .2316461
	timew1w3	0	(omitted)			
w1WRATtotalcent42						
		<b>.2662987</b>	.0412374	6.46	<b>0.000</b>	<b>.185474</b> .3471235
c.timew1w3#c.w1WRATtotalcent42						
		<b>-.0050268</b>	.00927	-0.54	<b>0.588</b>	<b>-.0231998</b> .0131462
	timew1w3	0	(omitted)			
1.w1smoke		<b>1.048193</b>	.7574611	1.38	<b>0.178</b>	<b>-.5103916</b> 2.606777
w1smoke#c.timew1w3						
1		<b>-.0732986</b>	.1495654	-0.49	<b>0.624</b>	<b>-.3675385</b> .2209414
	timew1w3	0	(omitted)			
1.w1currdrugs		<b>-2.015264</b>	.7874657	-2.56	<b>0.011</b>	<b>-3.560008</b> -.4705203
w1currdrugs#c.timew1w3						
1		<b>.0428558</b>	.1848811	0.23	<b>0.817</b>	<b>-.3202395</b> .405951
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43						
		<b>.0218585</b>	.0351158	0.62	<b>0.545</b>	<b>-.0546004</b> .0983173
c.timew1w3#c.w1hei2010_total_scorecent43						
		<b>-.0029612</b>	.0064572	-0.46	<b>0.648</b>	<b>-.0158311</b> .0099087

	timew1w3	0	(omitted)				
w1BMIcent30		.0382912	.0409882	0.93	0.350	-.0420582	.1186406
c.timew1w3#c.w1BMIcent30		-.0063774	.0092649	-0.69	0.491	-.0245405	.0117856
	timew1w3	0	(omitted)				
w1SRH							
2		1.40072	.7297542	1.92	0.055	-.0295915	2.831032
3		1.46677	.8168162	1.80	0.073	-.134866	3.068405
w1SRH#c.timew1w3							
2		-.1128789	.1638717	-0.69	0.491	-.4340705	.2083128
3		.0371012	.1822936	0.20	0.839	-.3201992	.3944017
	timew1w3	0	(omitted)				
w1CEScent15		-.0487428	.0253732	-1.92	0.055	-.098477	.0009914
c.timew1w3#c.w1CEScent15		-.0063	.0056491	-1.12	0.265	-.0173725	.0047724
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		.6378479	.6484068	0.98	0.325	-.6337601	1.909456
w1dxHTN#c.timew1w3							
Yes		.1672634	.1482844	1.13	0.259	-.1233782	.4579049
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		.1039538	.6677593	0.16	0.876	-1.205106	1.413014
Diabetes		1.493446	.8464617	1.76	0.078	-.1690508	3.155943
w1dxDiabetes#c.timew1w3							
preDiabetes		.1537961	.1510466	1.02	0.309	-.1422512	.4498434
Diabetes		-.5120876	.1895179	-2.70	0.007	-.8835776	-.1405975
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		-.1994136	.6193461	-0.32	0.748	-1.414462	1.015635
w1CVhighChol#c.timew1w3							
Yes		.1961503	.1588516	1.23	0.219	-.117615	.5099156
	timew1w3	0	(omitted)				
1.w1cvdbr		.6936982	.8372861	0.83	0.408	-.9565269	2.343923
w1cvdbr#c.timew1w3							
1		-.3543308	.1886543	-1.88	0.061	-.724488	.0158264
	timew1w3	0	(omitted)				
invmillsmms		.016839	.0109919	1.53	0.126	-.004705	.0383829
c.timew1w3#c.invmillsmms		.0009142	.0021258	0.43	0.667	-.0032524	.0050809
	timew1w3	0	(omitted)				
w1HCYcenter2p15		.4854284	.8993626	0.54	0.589	-1.277334	2.248191
c.timew1w3#c.w1HCYcenter2p15		-.0829569	.2066249	-0.40	0.688	-.4879372	.3220234

_cons	<b>24.148</b>	<b>1.244481</b>	<b>19.40</b>	<b>0.000</b>	<b>21.70489</b>	<b>26.5911</b>
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.3225531	.1744774	.1117215	.9312492
sd(_cons)	4.421825	.2048515	4.038011	4.84212
sd(Residual)	<b>3.72716</b>	<b>.1952716</b>	<b>3.363362</b>	<b>4.13031</b>

539 .  
 540 .  
 541 .  
 542 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4cobs==1 & Race==1 || HNDID:  
  
 Multiple-imputation estimates  
 Mixed-effects ML regression  
  
 Group variable: **HNDID**  
  
 DF adjustment: Large sample  
  
 Model F test: Equal FMI  
  
 Imputations = 5  
 Number of obs = 982  
  
 Number of groups = 599  
 Obs per group:  
 min = 1  
 avg = 1.6  
 max = 2  
 Average RVI = 0.0630  
 Largest FMI = 0.3543  
 DF: min = 38.64  
 avg = 74,810.71  
 max = 1168138.26  
 F( 41, 39742.0) = 11.95  
 Prob > F = 0.0000

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.293068</b>	<b>.1281326</b>	<b>-2.29</b>	<b>0.022</b>	<b>-.5442122</b>	<b>-.0419239</b>
w1Agecent48	<b>-.0892238</b>	<b>.0152851</b>	<b>-5.84</b>	<b>0.000</b>	<b>-.1191891</b>	<b>-.0592585</b>
c.timew1w3#c.w1Agecent48	<b>-.0076615</b>	<b>.0034229</b>	<b>-2.24</b>	<b>0.025</b>	<b>-.0143704</b>	<b>-.0009527</b>
timew1w3	0 (omitted)					
Sex						
Men	<b>-1.416943</b>	<b>.2672417</b>	<b>-5.30</b>	<b>0.000</b>	<b>-1.940733</b>	<b>-.8931538</b>
Sex#c.timew1w3						
Men	<b>-.0897897</b>	<b>.0609602</b>	<b>-1.47</b>	<b>0.141</b>	<b>-.2093051</b>	<b>.0297257</b>
timew1w3	0 (omitted)					
Race						
White	0 (omitted)					
Race#c.timew1w3						
White	0 (omitted)					
timew1w3	0 (omitted)					

PovStat Below	.1702427	.2883828	0.59	0.555	-.3949923	.7354777
PovStat#c.timew1w3 Below	-.0206569	.0632827	-0.33	0.744	-.1447018	.103388
timew1w3	0 (omitted)					
w1edubr 2	.2421158	.4590043	0.53	0.598	-.6577743	1.142006
3	1.620319	.5264961	3.08	0.002	.588257	2.652381
w1edubr#c.timew1w3 2	-.0870641	.0979164	-0.89	0.374	-.2790147	.1048865
3	-.1881902	.1154127	-1.63	0.103	-.4144316	.0380512
timew1w3 w1WRATtotalcent42	0 (omitted)					
c.timew1w3#c.w1WRATtotalcent42	.1059192	.0196652	5.39	0.000	.0673732	.1444651
timew1w3 1.w1smoke	0 (omitted)					
w1smoke#c.timew1w3 1	.3346381	.3005368	1.11	0.266	-.2568236	.9260998
timew1w3 1.w1currdrugs	0 (omitted)					
w1currdrugs#c.timew1w3 1	-.4139686	.3955794	-1.05	0.297	-1.195423	.3674857
timew1w3 w1hei2010_total_scorecent43	0 (omitted)					
c.timew1w3#c.w1hei2010_total_scorecent43	.0099197	.013479	0.74	0.466	-.0173524	.0371918
timew1w3 w1BMIcon30	0 (omitted)					
c.timew1w3#c.w1BMIcon30	.0016563	.0030196	-0.55	0.584	-.0076122	.0042997
timew1w3 w1BMIcent30	0 (omitted)					
c.timew1w3#c.w1BMIcent30	.0292739	.0192682	1.52	0.129	-.0084914	.0670392
timew1w3	0 (omitted)					
w1SRH 2	.5469788	.349649	1.56	0.118	-.1383893	1.232347
3	.2792601	.3926073	0.71	0.477	-.4910151	1.049535
w1SRH#c.timew1w3 2	.0258046	.0784056	0.33	0.742	-.1278715	.1794807
3	.1475787	.0875988	1.68	0.092	-.0241272	.3192846
timew1w3 w1CEScent15	0 (omitted)					
c.timew1w3#c.w1CEScent15	-.0240673	.0120752	-1.99	0.046	-.0477349	-.0003997
timew1w3	0 (omitted)					
w1dxHTN Yes	.0007289	.002703	0.27	0.787	-.0045691	.006027

w1dxHTN#c.timew1w3 Yes		<b>.0235437</b>	<b>.0707951</b>	<b>0.33</b>	<b>0.739</b>	<b>-.1152137</b>	<b>.162301</b>
	timew1w3	<b>0</b>	(omitted)				
w1dxDiabetes preDiabetes Diabetes		<b>-.0943768</b>	<b>.3299794</b>	<b>-0.29</b>	<b>0.775</b>	<b>-.7429482</b>	<b>.5541945</b>
		<b>.0350094</b>	<b>.4279429</b>	<b>0.08</b>	<b>0.935</b>	<b>-.8120488</b>	<b>.8820675</b>
w1dxDiabetes#c.timew1w3 preDiabetes Diabetes		<b>.0658952</b>	<b>.0719037</b>	<b>0.92</b>	<b>0.359</b>	<b>-.075047</b>	<b>.2068374</b>
	timew1w3	<b>-.0807906</b>	<b>.0891254</b>	<b>-0.91</b>	<b>0.365</b>	<b>-.2554996</b>	<b>.0939184</b>
w1CVhighChol Yes		<b>-.151328</b>	<b>.293451</b>	<b>-0.52</b>	<b>0.606</b>	<b>-.7266781</b>	<b>.4240221</b>
w1CVhighChol#c.timew1w3 Yes		<b>.133255</b>	<b>.0718062</b>	<b>1.86</b>	<b>0.064</b>	<b>-.0077352</b>	<b>.2742452</b>
	timew1w3 1.w1cvdbr	<b>0</b>	(omitted)				
		<b>.2054665</b>	<b>.3817952</b>	<b>0.54</b>	<b>0.591</b>	<b>-.5434526</b>	<b>.9543856</b>
w1cvdbr#c.timew1w3 1		<b>-.108263</b>	<b>.0865634</b>	<b>-1.25</b>	<b>0.211</b>	<b>-.2779551</b>	<b>.0614291</b>
	timew1w3 invmillsmms	<b>0</b>	(omitted)				
		<b>.009976</b>	<b>.005176</b>	<b>1.93</b>	<b>0.054</b>	<b>-.0001688</b>	<b>.0201207</b>
c.timew1w3#c.invmillsmms		<b>-.0003507</b>	<b>.0009691</b>	<b>-0.36</b>	<b>0.717</b>	<b>-.0022501</b>	<b>.0015488</b>
	timew1w3 w1HCYcenter2p15	<b>0</b>	(omitted)				
		<b>.550735</b>	<b>.4286779</b>	<b>1.28</b>	<b>0.199</b>	<b>-.2894971</b>	<b>1.390967</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0010685</b>	<b>.1000828</b>	<b>-0.01</b>	<b>0.991</b>	<b>-.1972338</b>	<b>.1950969</b>
	_cons	<b>7.272788</b>	<b>.5822144</b>	<b>12.49</b>	<b>0.000</b>	<b>6.13117</b>	<b>8.414405</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity sd(_cons)	<b>2.06281</b>	<b>.0979345</b>	<b>1.879521</b>	<b>2.263975</b>
sd(Residual)	<b>1.777178</b>	<b>.0659966</b>	<b>1.652407</b>	<b>1.91137</b>

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544 .
545 .
546 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dobs==1 & Race==1 || HNDID: timew1w3, cov(un)

```

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: HNDID	Number of groups =	625
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	0.0298
	Largest FMI =	0.1605
DF adjustment: Large sample	DF: min =	175.40
	avg =	1.23e+07
	max =	4.25e+08
Model F test: Equal FMI	F( 41, 155634.5) =	12.37
	Prob > F =	0.0000

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.2963055	.1578398	1.88	0.061	-.0130861 .6056972
w1Agecent48	.1226545	.0176962	6.93	0.000	.0879658 .1573431
c.timew1w3##c.w1Agecent48	.005826	.0039824	1.46	0.144	-.0019799 .0136319
timew1w3	0 (omitted)				
Sex					
Men	-.472152	.3117895	-1.51	0.130	-1.083251 .1389468
Sex##c.timew1w3					
Men	.0922504	.0695138	1.33	0.184	-.0440011 .2285019
timew1w3	0 (omitted)				
Race					
White	0 (omitted)				
Race##c.timew1w3					
White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	.5053131	.3409524	1.48	0.138	-.1629435 1.17357
PovStat##c.timew1w3					
Below	-.0117694	.0753839	-0.16	0.876	-.1595196 .1359808
timew1w3	0 (omitted)				
w1edubr					
2	-.2382446	.5703832	-0.42	0.676	-1.35693 .880441
3	-.7737003	.6486151	-1.19	0.233	-2.045311 .4979099
w1edubr##c.timew1w3					

		2	<b>- .0245938</b>	<b>.1243279</b>	<b>-0.20</b>	<b>0.843</b>	<b>-.2682789</b>	<b>.2190914</b>
		3	<b>-.0985447</b>	<b>.1443928</b>	<b>-0.68</b>	<b>0.495</b>	<b>-.3815804</b>	<b>.184491</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
	w1WRATTtotalcent42		<b>-.2015969</b>	<b>.0228873</b>	<b>-8.81</b>	<b>0.000</b>	<b>-.2464564</b>	<b>-.1567375</b>
c.timew1w3#c.w1WRATTtotalcent42			<b>.0026383</b>	<b>.0051786</b>	<b>0.51</b>	<b>0.610</b>	<b>-.0075129</b>	<b>.0127895</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
	1.w1smoke		<b>.3226479</b>	<b>.3436185</b>	<b>0.94</b>	<b>0.348</b>	<b>-.3517376</b>	<b>.9970334</b>
w1smoke#c.timew1w3			<b>.0358509</b>	<b>.0813987</b>	<b>0.44</b>	<b>0.660</b>	<b>-.1237013</b>	<b>.1954032</b>
	1		<b>0</b>	<b>(omitted)</b>				
	timew1w3		<b>-.1742017</b>	<b>.4641167</b>	<b>-0.38</b>	<b>0.708</b>	<b>-1.090174</b>	<b>.7417703</b>
	1.w1currdrugs		<b>-.0306899</b>	<b>.1030035</b>	<b>-0.30</b>	<b>0.766</b>	<b>-.2326954</b>	<b>.1713155</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1hei2010_total_scorecent43			<b>-.0270606</b>	<b>.0127564</b>	<b>-2.12</b>	<b>0.034</b>	<b>-.0521228</b>	<b>-.0019983</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0004788</b>	<b>.0032335</b>	<b>0.15</b>	<b>0.882</b>	<b>-.0058822</b>	<b>.0068398</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1BMIcent30			<b>-.0321369</b>	<b>.022516</b>	<b>-1.43</b>	<b>0.154</b>	<b>-.0762682</b>	<b>.0119944</b>
c.timew1w3#c.w1BMIcent30			<b>.0004391</b>	<b>.0051871</b>	<b>0.08</b>	<b>0.933</b>	<b>-.0097276</b>	<b>.0106058</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1SRH								
	2		<b>-1.516391</b>	<b>.4192477</b>	<b>-3.62</b>	<b>0.000</b>	<b>-2.338106</b>	<b>-.6946765</b>
	3		<b>-1.568988</b>	<b>.4646018</b>	<b>-3.38</b>	<b>0.001</b>	<b>-2.479641</b>	<b>-.6583354</b>
w1SRH#c.timew1w3			<b>.0968525</b>	<b>.0951929</b>	<b>1.02</b>	<b>0.309</b>	<b>-.0897228</b>	<b>.2834278</b>
	2		<b>.1271468</b>	<b>.1053807</b>	<b>1.21</b>	<b>0.228</b>	<b>-.0793995</b>	<b>.333693</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1CEScent15			<b>.0329917</b>	<b>.0143426</b>	<b>2.30</b>	<b>0.021</b>	<b>.0048801</b>	<b>.0611033</b>
c.timew1w3#c.w1CEScent15			<b>-.0009625</b>	<b>.0032221</b>	<b>-0.30</b>	<b>0.765</b>	<b>-.0072778</b>	<b>.0053528</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1dxHTN								
	Yes		<b>-.1995933</b>	<b>.3679018</b>	<b>-0.54</b>	<b>0.588</b>	<b>-.921713</b>	<b>.5225264</b>
w1dxHTN#c.timew1w3			<b>-.0658229</b>	<b>.0823764</b>	<b>-0.80</b>	<b>0.424</b>	<b>-.2272785</b>	<b>.0956327</b>
	Yes		<b>0</b>	<b>(omitted)</b>				
w1dxDiabetes								
	preDiabetes		<b>.0648021</b>	<b>.3863439</b>	<b>0.17</b>	<b>0.867</b>	<b>-.6930242</b>	<b>.8226283</b>
	Diabetes		<b>-.0099982</b>	<b>.4931765</b>	<b>-0.02</b>	<b>0.984</b>	<b>-.9802675</b>	<b>.9602711</b>
w1dxDiabetes#c.timew1w3			<b>.0424452</b>	<b>.0860364</b>	<b>0.49</b>	<b>0.622</b>	<b>-.126185</b>	<b>.2110755</b>
	preDiabetes		<b>-.0148946</b>	<b>.1097833</b>	<b>-0.14</b>	<b>0.892</b>	<b>-.2301533</b>	<b>.200364</b>

	timew1w3	0 (omitted)					
w1CVhighChol							
Yes	.23528	.3400071	0.69	0.489	-.4315151	.9020752	
w1CVhighChol#c.timew1w3							
Yes	-.1409588	.0834808	-1.69	0.091	-.3046421	.0227245	
timew1w3		0 (omitted)					
1.w1cvdbr	1.015952	.4449017	2.28	0.023	.1426227	1.889281	
w1cvdbr#c.timew1w3							
1	-.1136958	.1055183	-1.08	0.281	-.3206368	.0932452	
timew1w3		0 (omitted)					
invmillsmms	-.0208365	.0067035	-3.11	0.002	-.0339752	-.0076978	
c.timew1w3#c.invmillsmms							
	-.0000637	.0013144	-0.05	0.961	-.0026398	.0025125	
timew1w3		0 (omitted)					
w1HCYcenter2p15	-.1213383	.5017257	-0.24	0.809	-1.104705	.8620287	
c.timew1w3#c.w1HCYcenter2p15							
	.0795529	.1151819	0.69	0.490	-.1462012	.305307	
_cons	7.806385	.7148759	10.92	0.000	6.403739	9.209032	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.2081999	.2633766	.0174452 2.484761
sd(_cons)	2.688172	.2399932	2.256646 3.202217
corr(timew1w3,_cons)	.3869549	1.059982	-.9664321 .993352
sd(Residual)	2.317729	.2343468	1.901054 2.825731

547 .  
 548 .  
 549 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4eobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,067
Group variable: <b>HNDID</b>	
	Number of groups = 612
	Obs per group:
	min = 1
	avg = 1.7
	max = 2
	Average RVI = 0.0463
	Largest FMI = 0.2790
DF adjustment: Large sample	DF: min = 61.13
	avg = 228,195.41
	max = 3570445.22
Model F test: Equal FMI	F( 41, 65139.5) = 5.02
	Prob > F = 0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0310837	.0959823	0.32	0.746	-.1570612 .2192286
w1Agecent48	.0007671	.0097289	0.08	0.937	-.0183017 .019836
c.timew1w3#c.w1Agecent48	-.00689	.0023849	-2.89	0.004	-.0115643 -.0022158
timew1w3	0 (omitted)				
Sex Men	-.4070845	.1764239	-2.31	0.021	-.7528972 -.0612719
Sex#c.timew1w3 Men	.0196012	.0424368	0.46	0.644	-.0635742 .1027765
timew1w3	0 (omitted)				
Race White	0 (omitted)				
Race#c.timew1w3 White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat Below	-.0785958	.1927645	-0.41	0.683	-.4564087 .2992171
PovStat#c.timew1w3 Below	-.0135385	.046755	-0.29	0.772	-.1051772 .0781002
timew1w3	0 (omitted)				
w1edubr 2	.4753052	.310626	1.53	0.126	-.133512 1.084122
3	.5844242	.3623607	1.61	0.107	-.1260308 1.294879
w1edubr#c.timew1w3 2	-.0709333	.074936	-0.95	0.344	-.2178196 .0759531
3	-.1420328	.0872679	-1.63	0.104	-.3130873 .0290216
timew1w3	0 (omitted)				
w1WRATtotalcent42	.0735308	.0132615	5.54	0.000	.0475385 .0995231
c.timew1w3#c.w1WRATtotalcent42	.0057499	.0032936	1.75	0.081	-.0007056 .0122053
timew1w3	0 (omitted)				
1.w1smoke	-.2112944	.1937454	-1.09	0.276	-.5912745 .1686858
w1smoke#c.timew1w3 1	-.0197451	.0491977	-0.40	0.688	-.1162068 .0767166
timew1w3	0 (omitted)				
1.w1currdrugs	.1526077	.2630696	0.58	0.563	-.3663296 .6715449
w1currdrugs#c.timew1w3 1	.0163884	.0635219	0.26	0.796	-.1083592 .141136
timew1w3	0 (omitted)				
w1hei2010_total_scorecent43	-.0086856	.007838	-1.11	0.270	-.0242188 .0068477
c.timew1w3#c.w1hei2010_total_scorecent43	.002567	.0018719	1.37	0.170	-.0011035 .0062374

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0137487</b>	<b>.0126253</b>	<b>-1.09</b>	<b>0.276</b>	<b>- .038497</b>	<b>.0109997</b>
c.timew1w3#c.w1BMIcon30		<b>.0038513</b>	<b>.0031214</b>	<b>1.23</b>	<b>0.217</b>	<b>- .0022668</b>	<b>.0099693</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>.485944</b>	<b>.235328</b>	<b>2.06</b>	<b>0.039</b>	<b>.024708</b>	<b>.94718</b>
3		<b>.6287958</b>	<b>.2597057</b>	<b>2.42</b>	<b>0.015</b>	<b>.1197777</b>	<b>1.137814</b>
w1SRH#c.timew1w3							
2		<b>- .0199048</b>	<b>.0583474</b>	<b>-0.34</b>	<b>0.733</b>	<b>- .1342649</b>	<b>.0944553</b>
3		<b>- .0681119</b>	<b>.0651688</b>	<b>-1.05</b>	<b>0.296</b>	<b>- .1958487</b>	<b>.0596249</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>.0050975</b>	<b>.0081446</b>	<b>0.63</b>	<b>0.531</b>	<b>- .0108658</b>	<b>.0210607</b>
c.timew1w3#c.w1CEScent15		<b>- .002352</b>	<b>.0019881</b>	<b>-1.18</b>	<b>0.237</b>	<b>- .0062487</b>	<b>.0015447</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.2058861</b>	<b>.2043464</b>	<b>1.01</b>	<b>0.314</b>	<b>- .1948094</b>	<b>.6065815</b>
w1dxHTN#c.timew1w3							
Yes		<b>- .022787</b>	<b>.0505118</b>	<b>-0.45</b>	<b>0.652</b>	<b>- .1217929</b>	<b>.0762189</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>-.3991672</b>	<b>.2214791</b>	<b>-1.80</b>	<b>0.072</b>	<b>-.8346988</b>	<b>.0363644</b>
Diabetes		<b>-.4659631</b>	<b>.2712803</b>	<b>-1.72</b>	<b>0.086</b>	<b>-.9983805</b>	<b>.0664542</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0662814</b>	<b>.0529294</b>	<b>1.25</b>	<b>0.210</b>	<b>- .0374618</b>	<b>.1700247</b>
Diabetes		<b>-.0185481</b>	<b>.0655168</b>	<b>-0.28</b>	<b>0.777</b>	<b>-.1469612</b>	<b>.109865</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>-.0213927</b>	<b>.2083457</b>	<b>-0.10</b>	<b>0.918</b>	<b>- .4324182</b>	<b>.3896327</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0754564</b>	<b>.0532862</b>	<b>1.42</b>	<b>0.158</b>	<b>- .0294938</b>	<b>.1804067</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>-.1173055</b>	<b>.2866675</b>	<b>-0.41</b>	<b>0.684</b>	<b>- .6885102</b>	<b>.4538992</b>
w1cvdbr#c.timew1w3							
1		<b>-.09289</b>	<b>.073426</b>	<b>-1.27</b>	<b>0.211</b>	<b>- .239708</b>	<b>.053928</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.0026062</b>	<b>.0034595</b>	<b>0.75</b>	<b>0.451</b>	<b>- .0041742</b>	<b>.0093866</b>
c.timew1w3#c.invmillsmms		<b>-.0009476</b>	<b>.0007586</b>	<b>-1.25</b>	<b>0.212</b>	<b>- .0024345</b>	<b>.0005393</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>-.2470737</b>	<b>.2852311</b>	<b>-0.87</b>	<b>0.386</b>	<b>- .8061213</b>	<b>.3119739</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0144521</b>	<b>.0700948</b>	<b>-0.21</b>	<b>0.837</b>	<b>- .1518357</b>	<b>.1229314</b>

	<u>_cons</u>	<b>6.522513</b>	<b>.3872847</b>	<b>16.84</b>	<b>0.000</b>	<b>5.763446</b>	<b>7.281581</b>
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.175955</b>	<b>.0877513</b>	<b>.0662051</b>	<b>.4676405</b>
sd(_cons)	<b>1.320435</b>	<b>.1478116</b>	<b>1.060306</b>	<b>1.644384</b>
corr(timew1w3,_cons)	<b>-.2217929</b>	<b>.2178298</b>	<b>-.5879799</b>	<b>.219843</b>
sd(Residual)	<b>1.251302</b>	<b>.1323817</b>	<b>1.016969</b>	<b>1.53963</b>

550 .  
551 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4fobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,200
Group variable: HNDID		
Number of groups	=	625
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0626
Largest FMI	=	0.3783
DF adjustment: Large sample	DF:	min = 34.03 avg = 910,482.40 max = 3.57e+07
Model F test: Equal FMI	F( 41, 37434.1)	= 5.65 Prob > F = 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>.1785766</b>	<b>.2113657</b>	<b>0.84</b>	<b>0.398</b>	<b>-.2361316</b>	<b>.5932847</b>
w1Agecent48	<b>-.117583</b>	<b>.0251412</b>	<b>-4.68</b>	<b>0.000</b>	<b>-.1668702</b>	<b>-.0682958</b>
c.timew1w3#c.w1Agecent48	<b>-.0000262</b>	<b>.005189</b>	<b>-0.01</b>	<b>0.996</b>	<b>-.0101968</b>	<b>.0101444</b>
timew1w3	0	(omitted)				
Sex						
Men	<b>.5331266</b>	<b>.4406111</b>	<b>1.21</b>	<b>0.226</b>	<b>-.3304709</b>	<b>1.396724</b>
Sex#c.timew1w3						
Men	<b>-.0270111</b>	<b>.0909039</b>	<b>-0.30</b>	<b>0.766</b>	<b>-.2051803</b>	<b>.151158</b>
timew1w3	0	(omitted)				
Race						
White	0	(omitted)				
Race#c.timew1w3						
White	0	(omitted)				
timew1w3	0	(omitted)				

PovStat Below		<b>- .7133018</b>	<b>.4861128</b>	<b>-1.47</b>	<b>0.142</b>	<b>-1.666067</b>	<b>.2394637</b>
PovStat#c.timew1w3 Below		<b>- .036729</b>	<b>.1005138</b>	<b>-0.37</b>	<b>0.715</b>	<b>-.2337343</b>	<b>.1602762</b>
timew1w3		<b>0</b>	(omitted)				
w1edubr 2		<b>-.3188813</b>	<b>.7899131</b>	<b>-0.40</b>	<b>0.686</b>	<b>-1.86711</b>	<b>1.229347</b>
3		<b>1.659792</b>	<b>.91277</b>	<b>1.82</b>	<b>0.069</b>	<b>-.1295506</b>	<b>3.449135</b>
w1edubr#c.timew1w3 2		<b>-.1098384</b>	<b>.1662345</b>	<b>-0.66</b>	<b>0.509</b>	<b>-.4359397</b>	<b>.2162628</b>
3		<b>-.185364</b>	<b>.1944924</b>	<b>-0.95</b>	<b>0.341</b>	<b>-.5670003</b>	<b>.1962723</b>
timew1w3 w1WRATtotalcent42		<b>0</b>	(omitted)				
c.timew1w3#c.w1WRATtotalcent42		<b>.1746383</b>	<b>.0327042</b>	<b>5.34</b>	<b>0.000</b>	<b>.1105324</b>	<b>.2387443</b>
timew1w3 1.w1smoke		<b>0</b>	(omitted)				
w1smoke#c.timew1w3 1		<b>-.6147168</b>	<b>.5120122</b>	<b>-1.20</b>	<b>0.232</b>	<b>-1.627434</b>	<b>.3980003</b>
timew1w3 1.w1currdrugs		<b>0</b>	(omitted)				
w1currdrugs#c.timew1w3 1		<b>.4275486</b>	<b>.6176667</b>	<b>0.69</b>	<b>0.489</b>	<b>-.7848844</b>	<b>1.639982</b>
timew1w3 w1hei2010_total_scorecent43		<b>0</b>	(omitted)				
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0337023</b>	<b>.0209106</b>	<b>1.61</b>	<b>0.116</b>	<b>-.0087916</b>	<b>.0761963</b>
timew1w3 w1BMIcon30		<b>0</b>	(omitted)				
c.timew1w3#c.w1BMIcon30		<b>.0258358</b>	<b>.0320488</b>	<b>0.81</b>	<b>0.420</b>	<b>-.0369897</b>	<b>.0886613</b>
timew1w3		<b>0</b>	(omitted)				
w1SRH 2		<b>-.3806767</b>	<b>.5840547</b>	<b>-0.65</b>	<b>0.515</b>	<b>-1.525406</b>	<b>.7640528</b>
3		<b>-.158008</b>	<b>.6471791</b>	<b>-0.24</b>	<b>0.807</b>	<b>-1.426462</b>	<b>1.110446</b>
w1SRH#c.timew1w3 2		<b>.0090717</b>	<b>.1232268</b>	<b>0.07</b>	<b>0.941</b>	<b>-.2324486</b>	<b>.2505921</b>
3		<b>.033787</b>	<b>.1371028</b>	<b>0.25</b>	<b>0.805</b>	<b>-.2349333</b>	<b>.3025074</b>
timew1w3 w1CEScent15		<b>0</b>	(omitted)				
c.timew1w3#c.w1CEScent15		<b>-.0525484</b>	<b>.0201683</b>	<b>-2.61</b>	<b>0.009</b>	<b>-.0920779</b>	<b>-.0130189</b>
timew1w3		<b>0</b>	(omitted)				
w1dxHTN Yes		<b>.0074392</b>	<b>.0042212</b>	<b>1.76</b>	<b>0.078</b>	<b>-.0008343</b>	<b>.0157127</b>
		<b>.4547288</b>	<b>.5137042</b>	<b>0.89</b>	<b>0.376</b>	<b>-.5532959</b>	<b>1.462753</b>

w1dxHTN#c.timew1w3						
Yes		<b>-.0625232</b>	<b>.1093118</b>	<b>-0.57</b>	<b>0.567</b>	<b>-.2768128</b>
timew1w3		<b>0</b>	(omitted)			
w1dxDiabetes						
preDiabetes		<b>.1976327</b>	<b>.5347588</b>	<b>0.37</b>	<b>0.712</b>	<b>-.8509324</b>
Diabetes		<b>-.1393615</b>	<b>.6604504</b>	<b>-0.21</b>	<b>0.833</b>	<b>-1.434014</b>
w1dxDiabetes#c.timew1w3						
preDiabetes		<b>-.0270099</b>	<b>.1130225</b>	<b>-0.24</b>	<b>0.811</b>	<b>-.2485429</b>
Diabetes		<b>.1840914</b>	<b>.1426209</b>	<b>1.29</b>	<b>0.197</b>	<b>-.0954792</b>
timew1w3		<b>0</b>	(omitted)			
w1CVhighChol						
Yes		<b>.2521519</b>	<b>.5608973</b>	<b>0.45</b>	<b>0.655</b>	<b>-.8782935</b>
w1CVhighChol#c.timew1w3						
Yes		<b>.0269844</b>	<b>.1195566</b>	<b>0.23</b>	<b>0.822</b>	<b>-.2095235</b>
timew1w3		<b>0</b>	(omitted)			
1.w1cvdbr		<b>.2621731</b>	<b>.6532457</b>	<b>0.40</b>	<b>0.689</b>	<b>-1.026291</b>
w1cvdbr#c.timew1w3						
1		<b>-.1800687</b>	<b>.1466691</b>	<b>-1.23</b>	<b>0.221</b>	<b>-.4694418</b>
timew1w3		<b>0</b>	(omitted)			
invmillsmms		<b>.0100435</b>	<b>.0094194</b>	<b>1.07</b>	<b>0.286</b>	<b>-.0084183</b>
c.timew1w3#c.invmillsmms						
		<b>-.0017134</b>	<b>.0017326</b>	<b>-0.99</b>	<b>0.323</b>	<b>-.0051092</b>
timew1w3		<b>0</b>	(omitted)			
w1HCYcenter2p15		<b>-.9368055</b>	<b>.707197</b>	<b>-1.32</b>	<b>0.185</b>	<b>-2.322892</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.1444782</b>	<b>.1521014</b>	<b>0.95</b>	<b>0.342</b>	<b>-.1536378</b>
_cons		<b>19.23572</b>	<b>.9964523</b>	<b>19.30</b>	<b>0.000</b>	<b>17.28156</b>
						<b>21.18988</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.2217054</b>	<b>.3232266</b>	<b>.0127288</b>	<b>3.861577</b>
sd(_cons)	<b>3.894484</b>	<b>.2558168</b>	<b>3.424013</b>	<b>4.429599</b>
corr(timew1w3,_cons)	<b>-.014469</b>	<b>.42514</b>	<b>-.6899806</b>	<b>.6745136</b>
sd(Residual)	<b>3.108936</b>	<b>.2416588</b>	<b>2.669573</b>	<b>3.620611</b>

552 .

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553 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4gobs==1 & Race==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates    Imputations = 5  
 Mixed-effects ML regression    Number of obs = 1,171

Group variable: HNDID     Number of groups = 623  
 Obs per group:  
     min = 1  
     avg = 1.9  
     max = 2  
     Average RVI = 0.0652  
     Largest FMI = 0.5298  
 DF adjustment: Large sample                                         DF: min = 17.45  
     avg = 116,984.10  
     max = 1040708.35

Model F test: Equal FMI    F( 41, 34110.9) = 7.55  
 Prob > F = 0.0000

	DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		<b>-.0227336</b>	<b>.0829751</b>	<b>-0.27</b>	<b>0.784</b>	<b>-.1853828</b> <b>.1399155</b>
w1Agecent48		<b>-.0081009</b>	<b>.0095152</b>	<b>-0.85</b>	<b>0.395</b>	<b>-.0267562</b> <b>.0105544</b>
c.timew1w3##c.w1Agecent48		<b>-.0019414</b>	<b>.0020709</b>	<b>-0.94</b>	<b>0.349</b>	<b>-.0060004</b> <b>.0021175</b>
timew1w3		0	(omitted)			
Sex						
Men		<b>.2280107</b>	<b>.1675066</b>	<b>1.36</b>	<b>0.173</b>	<b>-.1003116</b> <b>.5563329</b>
Sex##c.timew1w3						
Men		<b>-.0180907</b>	<b>.0365842</b>	<b>-0.49</b>	<b>0.621</b>	<b>-.089795</b> <b>.0536135</b>
timew1w3		0	(omitted)			
Race						
White		0	(omitted)			
Race##c.timew1w3						
White		0	(omitted)			
timew1w3		0	(omitted)			
PovStat						
Below		<b>-.0637327</b>	<b>.1825995</b>	<b>-0.35</b>	<b>0.727</b>	<b>-.4216295</b> <b>.2941641</b>
PovStat##c.timew1w3						
Below		<b>.0223958</b>	<b>.0400246</b>	<b>0.56</b>	<b>0.576</b>	<b>-.0560542</b> <b>.1008459</b>
timew1w3		0	(omitted)			
w1edubr						
2		<b>-.2317495</b>	<b>.304377</b>	<b>-0.76</b>	<b>0.446</b>	<b>-.828391</b> <b>.3648921</b>
3		<b>.4687973</b>	<b>.3496735</b>	<b>1.34</b>	<b>0.180</b>	<b>-.2167985</b> <b>1.154393</b>
w1edubr##c.timew1w3						
2		<b>.0153598</b>	<b>.0653117</b>	<b>0.24</b>	<b>0.814</b>	<b>-.112649</b> <b>.1433685</b>

	3		<b>- .023301</b>	<b>.0760221</b>	<b>-0.31</b>	<b>0.759</b>	<b>-.1723125</b>	<b>.1257104</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1WRATTtotalcent42		<b>.1379595</b>	<b>.0124562</b>	<b>11.08</b>	<b>0.000</b>	<b>.1135422</b>	<b>.1623768</b>
c.timew1w3#c.w1WRATTtotalcent42			<b>.0009581</b>	<b>.0027624</b>	<b>0.35</b>	<b>0.729</b>	<b>-.0044561</b>	<b>.0063723</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	1.w1smoke		<b>.3963027</b>	<b>.1827827</b>	<b>2.17</b>	<b>0.030</b>	<b>.0376459</b>	<b>.7549596</b>
	w1smoke#c.timew1w3							
	1		<b>-.0302763</b>	<b>.0440776</b>	<b>-0.69</b>	<b>0.492</b>	<b>-.1168724</b>	<b>.0563197</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	1.w1currdrugs		<b>.2269004</b>	<b>.3159769</b>	<b>0.72</b>	<b>0.482</b>	<b>-.4384472</b>	<b>.8922479</b>
	w1currdrugs#c.timew1w3							
	1		<b>.0128997</b>	<b>.0551473</b>	<b>0.23</b>	<b>0.815</b>	<b>-.0954319</b>	<b>.1212313</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1hei2010_total_scorecent43		<b>.0004504</b>	<b>.0071905</b>	<b>0.06</b>	<b>0.950</b>	<b>-.013774</b>	<b>.0146747</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0004131</b>	<b>.0016363</b>	<b>0.25</b>	<b>0.801</b>	<b>-.0027957</b>	<b>.003622</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1BMIcon30		<b>-.001412</b>	<b>.0123492</b>	<b>-0.11</b>	<b>0.909</b>	<b>-.0256349</b>	<b>.0228108</b>
c.timew1w3#c.w1BMIcon30			<b>-.0037456</b>	<b>.0027629</b>	<b>-1.36</b>	<b>0.175</b>	<b>-.0091623</b>	<b>.001671</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1SRH							
	2		<b>-.0157287</b>	<b>.2242184</b>	<b>-0.07</b>	<b>0.944</b>	<b>-.4552094</b>	<b>.4237521</b>
	3		<b>-.2326663</b>	<b>.2492207</b>	<b>-0.93</b>	<b>0.351</b>	<b>-.7212379</b>	<b>.2559052</b>
	w1SRH#c.timew1w3							
	2		<b>.022752</b>	<b>.0497555</b>	<b>0.46</b>	<b>0.647</b>	<b>-.0747672</b>	<b>.1202711</b>
	3		<b>-.0046701</b>	<b>.055452</b>	<b>-0.08</b>	<b>0.933</b>	<b>-.1133559</b>	<b>.1040157</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1CEScent15							
	timew1w3		<b>0</b>	<b>(omitted)</b>				
	w1CEScent15		<b>-.0021549</b>	<b>.0076494</b>	<b>-0.28</b>	<b>0.778</b>	<b>-.0171477</b>	<b>.0128379</b>
c.timew1w3#c.w1CEScent15			<b>-.0017258</b>	<b>.0016999</b>	<b>-1.02</b>	<b>0.310</b>	<b>-.0050579</b>	<b>.0016063</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1dxHTN							
	Yes		<b>.1232731</b>	<b>.1984868</b>	<b>0.62</b>	<b>0.535</b>	<b>-.266571</b>	<b>.5131173</b>
	w1dxHTN#c.timew1w3							
	Yes		<b>.0286568</b>	<b>.0445247</b>	<b>0.64</b>	<b>0.520</b>	<b>-.0586498</b>	<b>.1159635</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1dxDiabetes							
	preDiabetes		<b>-.2469756</b>	<b>.2073006</b>	<b>-1.19</b>	<b>0.234</b>	<b>-.6538825</b>	<b>.1599314</b>
	Diabetes		<b>-.2700393</b>	<b>.255919</b>	<b>-1.06</b>	<b>0.292</b>	<b>-.7721154</b>	<b>.2320369</b>
	w1dxDiabetes#c.timew1w3							
	preDiabetes		<b>.0846723</b>	<b>.0456549</b>	<b>1.85</b>	<b>0.064</b>	<b>-.004828</b>	<b>.1741725</b>
	Diabetes		<b>.0071725</b>	<b>.0587084</b>	<b>0.12</b>	<b>0.903</b>	<b>-.1079845</b>	<b>.1223295</b>
		timew1w3	<b>0</b>	<b>(omitted)</b>				

w1CVhighChol Yes	.0993992	.1919839	0.52	0.605	-.2789071	.4777055
w1CVhighChol#c.timew1w3 Yes	.0125575	.0437552	0.29	0.774	-.0732261	.0983411
timew1w3 1.w1cvdbr	0 (omitted) -.210999	.2321085	-0.91	0.363	-.6659601	.2439621
w1cvdbr#c.timew1w3 1	-.0220266	.0540083	-0.41	0.683	-.1278821	.0838289
timew1w3 invmillsmms	0 (omitted) .0065046	.003586	1.81	0.070	-.000524	.0135332
c.timew1w3#c.invmillsmms	-.000331	.0006943	-0.48	0.634	-.0016917	.0010297
timew1w3 w1HCYcenter2p15	0 (omitted) -.1352591	.2706185	-0.50	0.617	-.6656995	.3951813
c.timew1w3#c.w1HCYcenter2p15	-.001392	.0606825	-0.02	0.982	-.1203288	.1175449
_cons	7.124199	.3811409	18.69	0.000	6.376526	7.871871

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.1786219	.0526597	.1002283 .318331
sd(_cons)	1.528233	.0914224	1.359148 1.718353
corr(timew1w3,_cons)	-.1577724	.1471694	-.4259309 .1358669
sd(Residual)	1.110186	.0900578	.9469928 1.301502

554 .  
 555 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4hobs==1 & Race==1 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,168

Group variable: HNDID

Number of groups	=	625
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F(	41,31938.7)	=	7.57
Prob > F	=	0.0000	

	DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	.0453688	.0831621	0.55	0.585	-.1176688 .2084065
w1Agecent48		-.0115445	.0097255	-1.19	0.235	-.0306202 .0075311
c.timew1w3#c.w1Agecent48		-.0020425	.002057	-0.99	0.321	-.0060746 .0019895
	timew1w3	0	(omitted)			
Sex						
Men		-.0685248	.1695152	-0.40	0.686	-.4007775 .2637278
Sex#c.timew1w3						
Men		.0021078	.0362095	0.06	0.954	-.068862 .0730776
	timew1w3	0	(omitted)			
Race						
White		0	(omitted)			
Race#c.timew1w3						
White		0	(omitted)			
	timew1w3	0	(omitted)			
PovStat						
Below		.014183	.1866488	0.08	0.939	-.3516767 .3800426
PovStat#c.timew1w3						
Below		-.0208808	.0396876	-0.53	0.599	-.0986675 .0569059
	timew1w3	0	(omitted)			
w1edubr						
2		-.4011621	.3064359	-1.31	0.190	-1.001776 .1994523
3		.1972189	.3494227	0.56	0.572	-.4876375 .8820753
w1edubr#c.timew1w3						
2		.0358923	.0654999	0.55	0.584	-.0924881 .1642727
3		-.0336885	.0755784	-0.45	0.656	-.18182 .1144431
	timew1w3	0	(omitted)			
w1WRATtotalcent42		.144645	.0127701	11.33	0.000	.1196019 .1696881
c.timew1w3#c.w1WRATtotalcent42		.0003946	.0027445	0.14	0.886	-.0049846 .0057738
	timew1w3	0	(omitted)			
1.w1smoke		.1468459	.2180504	0.67	0.505	-.2942999 .5879917
w1smoke#c.timew1w3						
1		-.0173152	.0465342	-0.37	0.711	-.1095805 .0749502
	timew1w3	0	(omitted)			
1.w1currdrugs		.0606364	.2330553	0.26	0.795	-.3961621 .517435
w1currdrugs#c.timew1w3						
1		-.0013027	.0526618	-0.02	0.980	-.1045303 .1019249
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		.0034576	.0084745	0.41	0.687	-.0139413 .0208565
c.timew1w3#c.w1hei2010_total_scorecent43		.0007472	.0017438	0.43	0.669	-.0026991 .0041936

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0010228</b>	<b>.0125462</b>	<b>-0.08</b>	<b>0.935</b>	<b>-.0256426</b>	<b>.0235971</b>
c.timew1w3#c.w1BMIcon30		<b>- .000902</b>	<b>.0027381</b>	<b>-0.33</b>	<b>0.742</b>	<b>-.0062695</b>	<b>.0044655</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>.0502714</b>	<b>.2269954</b>	<b>0.22</b>	<b>0.825</b>	<b>-.39464</b>	<b>.4951829</b>
3		<b>.1768295</b>	<b>.253459</b>	<b>0.70</b>	<b>0.485</b>	<b>-.3200686</b>	<b>.6737277</b>
w1SRH#c.timew1w3							
2		<b>- .0622072</b>	<b>.0494274</b>	<b>-1.26</b>	<b>0.208</b>	<b>-.1590835</b>	<b>.0346691</b>
3		<b>- .0905196</b>	<b>.0555443</b>	<b>-1.63</b>	<b>0.103</b>	<b>-.1993948</b>	<b>.0183557</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>.0052188</b>	<b>.0077601</b>	<b>0.67</b>	<b>0.501</b>	<b>-.0099909</b>	<b>.0204286</b>
c.timew1w3#c.w1CEScent15		<b>- .0024081</b>	<b>.0016766</b>	<b>-1.44</b>	<b>0.151</b>	<b>-.0056942</b>	<b>.000878</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>- .0085041</b>	<b>.1966465</b>	<b>-0.04</b>	<b>0.966</b>	<b>-.3941224</b>	<b>.3771143</b>
w1dxHTN#c.timew1w3							
Yes		<b>.0266001</b>	<b>.0441145</b>	<b>0.60</b>	<b>0.547</b>	<b>-.059886</b>	<b>.1130863</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>.149975</b>	<b>.2060186</b>	<b>0.73</b>	<b>0.467</b>	<b>-.2538935</b>	<b>.5538435</b>
Diabetes		<b>-.0611413</b>	<b>.2715195</b>	<b>-0.23</b>	<b>0.822</b>	<b>-.5961461</b>	<b>.4738634</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0713166</b>	<b>.0449704</b>	<b>1.59</b>	<b>0.113</b>	<b>-.0168241</b>	<b>.1594572</b>
Diabetes		<b>-.0295897</b>	<b>.0584912</b>	<b>-0.51</b>	<b>0.613</b>	<b>-.144301</b>	<b>.0851217</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>- .0337293</b>	<b>.2167233</b>	<b>-0.16</b>	<b>0.877</b>	<b>-.4700539</b>	<b>.4025953</b>
w1CVhighChol#c.timew1w3							
Yes		<b>- .0084908</b>	<b>.045923</b>	<b>-0.18</b>	<b>0.853</b>	<b>-.0989238</b>	<b>.0819422</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>-.2780931</b>	<b>.2802395</b>	<b>-0.99</b>	<b>0.326</b>	<b>-.8427576</b>	<b>.2865713</b>
w1cvdbr#c.timew1w3							
1		<b>.0022893</b>	<b>.0546891</b>	<b>0.04</b>	<b>0.967</b>	<b>-.1049103</b>	<b>.1094889</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.0052207</b>	<b>.0036227</b>	<b>1.44</b>	<b>0.150</b>	<b>-.0018796</b>	<b>.0123211</b>
c.timew1w3#c.invmillsmms		<b>- .0001301</b>	<b>.0006847</b>	<b>-0.19</b>	<b>0.849</b>	<b>-.0014721</b>	<b>.0012118</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>-.0143055</b>	<b>.2727039</b>	<b>-0.05</b>	<b>0.958</b>	<b>-.548817</b>	<b>.520206</b>
c.timew1w3#c.w1HCYcenter2p15		<b>- .0489569</b>	<b>.0598407</b>	<b>-0.82</b>	<b>0.413</b>	<b>-.1662425</b>	<b>.0683287</b>

_cons	<b>5.831824</b>	<b>.3821744</b>	<b>15.26</b>	<b>0.000</b>	<b>5.08257</b>	<b>6.581078</b>
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>6.28e-07</b>	.	.	.
sd(_cons)	<b>1.445145</b>	<b>.0613904</b>	<b>1.329691</b>	<b>1.570623</b>
sd(Residual)	<b>1.258939</b>	<b>.0384685</b>	<b>1.185754</b>	<b>1.336641</b>

556 .

557 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvnbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4iobs==1 & Race==1 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,206
Group variable: HNDID		
Number of groups	=	626
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0379
Largest FMI	=	0.2663
DF adjustment: Large sample	DF:	min = 66.81 avg = 177,954.25 max = 3792078.39
Model F test: Equal FMI	F( 41, 100369.6)	= 3.03
	Prob > F	= 0.0000

	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0934716</b>	<b>.0589182</b>	<b>-1.59</b>	<b>0.113</b>	<b>-.20896</b> <b>.0220169</b>
w1Agecent48	<b>-.0034105</b>	<b>.0052711</b>	<b>-0.65</b>	<b>0.518</b>	<b>-.0137418</b> <b>.0069208</b>
c.timew1w3##c.w1Agecent48	<b>-.0020758</b>	<b>.0014825</b>	<b>-1.40</b>	<b>0.161</b>	<b>-.0049816</b> <b>.0008299</b>
timew1w3	<b>0</b> (omitted)				
Sex					
Men	<b>-.0151927</b>	<b>.092975</b>	<b>-0.16</b>	<b>0.870</b>	<b>-.1974206</b> <b>.1670352</b>
Sex##c.timew1w3					
Men	<b>.006933</b>	<b>.0258384</b>	<b>0.27</b>	<b>0.788</b>	<b>-.0437095</b> <b>.0575756</b>
timew1w3	<b>0</b> (omitted)				
Race					
White	<b>0</b> (omitted)				
Race##c.timew1w3					
White	<b>0</b> (omitted)				
timew1w3	<b>0</b> (omitted)				
PovStat					

	Below	.0952667	.1024564	0.93	0.352	-.1055476	.2960811
PovStat#c.timew1w3	Below	-.0149059	.0282228	-0.53	0.597	-.070222	.0404101
	timew1w3	0 (omitted)					
w1edubr							
2		-.2491495	.170751	-1.46	0.145	-.5838452	.0855462
3		.0161405	.1972952	0.08	0.935	-.3706609	.402942
w1edubr#c.timew1w3							
2		.0581633	.0465902	1.25	0.212	-.0331573	.1494838
3		.0461326	.0541926	0.85	0.395	-.0600936	.1523587
timew1w3		0 (omitted)					
w1WRATtotalcent42		.0239215	.0069623	3.44	0.001	.0102735	.0375695
c.timew1w3#c.w1WRATtotalcent42		-.0004904	.0019425	-0.25	0.801	-.0042979	.003317
timew1w3		0 (omitted)					
1.w1smoke		-.1048489	.1194711	-0.88	0.383	-.3433267	.1336288
w1smoke#c.timew1w3							
1		.0093454	.0316716	0.30	0.768	-.053007	.0716978
timew1w3		0 (omitted)					
1.w1currdrugs		.3727204	.1507619	2.47	0.016	.0723498	.673091
w1currdrugs#c.timew1w3							
1		-.073191	.0384612	-1.90	0.058	-.1487292	.0023472
timew1w3		0 (omitted)					
w1hei2010_total_scorecent43		.0046204	.0040073	1.15	0.249	-.0032411	.0124819
c.timew1w3#c.w1hei2010_total_scorecent43		-8.57e-06	.0011829	-0.01	0.994	-.0023322	.002315
timew1w3		0 (omitted)					
w1BMIcon30		-.0002512	.0068248	-0.04	0.971	-.0136324	.01313
c.timew1w3#c.w1BMIcon30		.0005818	.001928	0.30	0.763	-.0031975	.004361
timew1w3		0 (omitted)					
w1SRH							
2		.1049663	.1246859	0.84	0.400	-.1394177	.3493503
3		-.0342743	.1375043	-0.25	0.803	-.3037794	.2352308
w1SRH#c.timew1w3							
2		.0346841	.0353515	0.98	0.327	-.0346037	.1039719
3		.0612186	.039174	1.56	0.118	-.015563	.1380002
timew1w3		0 (omitted)					
w1CEScent15		-.0119969	.0043034	-2.79	0.005	-.0204318	-.003562
c.timew1w3#c.w1CEScent15		.0011048	.0012079	0.91	0.360	-.0012629	.0034724
timew1w3		0 (omitted)					
w1dxHTN							
Yes		.0394636	.1076786	0.37	0.714	-.1715864	.2505136
w1dxHTN#c.timew1w3							

	Yes	<b>- .0131978</b>	<b>.0313042</b>	<b>-0.42</b>	<b>0.673</b>	<b>-.0745697</b>	<b>.0481741</b>
	timew1w3	<b>0</b>	(omitted)				
w1dxDiabetes							
preDiabetes		<b>.0901976</b>	<b>.1136067</b>	<b>0.79</b>	<b>0.427</b>	<b>-.1324806</b>	<b>.3128757</b>
Diabetes		<b>.0561937</b>	<b>.1472607</b>	<b>0.38</b>	<b>0.703</b>	<b>-.2330657</b>	<b>.3454532</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0007299</b>	<b>.0323461</b>	<b>0.02</b>	<b>0.982</b>	<b>-.0626707</b>	<b>.0641306</b>
Diabetes		<b>-.0052307</b>	<b>.0411759</b>	<b>-0.13</b>	<b>0.899</b>	<b>-.085949</b>	<b>.0754876</b>
	timew1w3	<b>0</b>	(omitted)				
w1CVhighChol							
Yes		<b>-.0822921</b>	<b>.1132953</b>	<b>-0.73</b>	<b>0.469</b>	<b>-.3058862</b>	<b>.1413021</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0006945</b>	<b>.0315941</b>	<b>0.02</b>	<b>0.982</b>	<b>-.0613056</b>	<b>.0626946</b>
	timew1w3	<b>0</b>	(omitted)				
1.w1cvdbr		<b>-.2965414</b>	<b>.1371679</b>	<b>-2.16</b>	<b>0.031</b>	<b>-.5655814</b>	<b>-.0275015</b>
w1cvdbr#c.timew1w3							
1		<b>.0197199</b>	<b>.040071</b>	<b>0.49</b>	<b>0.623</b>	<b>-.0589478</b>	<b>.0983876</b>
	timew1w3	<b>0</b>	(omitted)				
invmillsmms		<b>.0006423</b>	<b>.0020189</b>	<b>0.32</b>	<b>0.750</b>	<b>-.0033147</b>	<b>.0045992</b>
c.timew1w3#c.invmillsmms							
		<b>-.000193</b>	<b>.0005033</b>	<b>-0.38</b>	<b>0.701</b>	<b>-.0011794</b>	<b>.0007934</b>
	timew1w3	<b>0</b>	(omitted)				
w1HCYcenter2p15		<b>-.1277329</b>	<b>.1500785</b>	<b>-0.85</b>	<b>0.395</b>	<b>-.4218878</b>	<b>.1664219</b>
c.timew1w3#c.w1HCYcenter2p15							
		<b>-.0079427</b>	<b>.0431882</b>	<b>-0.18</b>	<b>0.854</b>	<b>-.092592</b>	<b>.0767066</b>
	_cons	<b>9.040311</b>	<b>.2136382</b>	<b>42.32</b>	<b>0.000</b>	<b>8.621376</b>	<b>9.459246</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.0541793</b>	<b>.0400711</b>	<b>.012714</b>	<b>.2308801</b>
sd(_cons)	<b>.5521999</b>	<b>.0457228</b>	<b>.4694768</b>	<b>.6494991</b>
sd(Residual)	<b>.9129393</b>	<b>.0354443</b>	<b>.8460459</b>	<b>.9851216</b>

558 .

559 . mi estimate: mixed LnTrailsAttestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4jobs==1 & Race==1 || HNDID: timew1w3

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,186

Group variable: HNDID Number of groups = 619  
 Obs per group:  
 min = 1  
 avg = 1.9  
 max = 2  
 Average RVI = 0.0530  
 Largest FMI = 0.4163  
 DF adjustment: Large sample DF: min = 28.24  
 avg = 464,691.09  
 max = 9102863.93  
 Model F test: Equal FMI F( 41,52212.8) = 4.12  
 Prob > F = 0.0000

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0138662	.0138616	1.00	0.318	-.0133504 .0410829
w1Agecent48	.0067275	.0014959	4.50	0.000	.0037952 .0096599
c.timew1w3#c.w1Agecent48	.000688	.0003329	2.07	0.039	.0000355 .0013405
timew1w3	0 (omitted)				
Sex					
Men	.0537509	.0263683	2.04	0.042	.0020699 .1054319
Sex#c.timew1w3					
Men	.010403	.0058533	1.78	0.076	-.0010694 .0218755
timew1w3	0 (omitted)				
Race					
White	0 (omitted)				
Race#c.timew1w3					
White	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	.0477431	.0288546	1.65	0.098	-.0088112 .1042974
PovStat#c.timew1w3					
Below	-.0102385	.0063797	-1.60	0.109	-.0227425 .0022655
timew1w3	0 (omitted)				
w1edubr					
2	-.0791292	.0479119	-1.65	0.099	-.1730383 .01478
3	-.0628638	.0546714	-1.15	0.250	-.1700251 .0442974
w1edubr#c.timew1w3					
2	-.0099678	.0108373	-0.92	0.358	-.0312324 .0112968
3	-.0120921	.0125323	-0.96	0.335	-.036683 .0124988
timew1w3	0 (omitted)				
w1WRATtotalcent42	-.0090514	.0019551	-4.63	0.000	-.0128833 -.0052196
c.timew1w3#c.w1WRATtotalcent42	.0001715	.0004469	0.38	0.701	-.0007047 .0010478
timew1w3	0 (omitted)				
1.w1smoke	.0102365	.033498	0.31	0.761	-.0572179 .0776909

w1smoke#c.timew1w3						
1	.0075868	.007215	1.05	0.294	-.0066128	.0217864
timew1w3	0	(omitted)				
1.w1currdrugs	-.0126466	.0383154	-0.33	0.742	-.0880388	.0627456
w1currdrugs#c.timew1w3						
1	.0043017	.0087319	0.49	0.622	-.0128287	.0214321
timew1w3	0	(omitted)				
w1hei2010_total_scorecent43	-.0001839	.0013142	-0.14	0.890	-.0028749	.0025072
c.timew1w3#c.w1hei2010_total_scorecent43	.0001427	.0002744	0.52	0.603	-.0003972	.0006826
timew1w3	0	(omitted)				
w1BMIcon30	-.000655	.0019168	-0.34	0.733	-.0044122	.0031022
c.timew1w3#c.w1BMIcon30	.0004921	.0004339	1.13	0.257	-.0003583	.0013425
timew1w3	0	(omitted)				
w1SRH						
2	-.0654273	.0351596	-1.86	0.063	-.1343389	.0034842
3	-.0522881	.0390406	-1.34	0.180	-.1288143	.0242381
w1SRH#c.timew1w3						
2	-.0071574	.0079787	-0.90	0.370	-.0227954	.0084806
3	-.0066544	.0088363	-0.75	0.451	-.0239737	.0106649
timew1w3	0	(omitted)				
w1CEScent15						
0	(omitted)					
.0007768	.0012158	0.64	0.523	-.0016061	.0031597	
c.timew1w3#c.w1CEScent15	.0003875	.0002711	1.43	0.153	-.000144	.0009189
timew1w3	0	(omitted)				
w1dxHTN						
Yes	-.0525831	.033275	-1.58	0.117	-.1184712	.013305
w1dxHTN#c.timew1w3						
Yes	.0083375	.0070394	1.18	0.236	-.0054608	.0221357
timew1w3	0	(omitted)				
w1dxDiabetes						
preDiabetes						
Diabetes						
.0518739	.0329471	1.57	0.116	-.0128296	.1165773	
.070463	.0403701	1.75	0.081	-.0087357	.1496617	
w1dxDiabetes#c.timew1w3						
preDiabetes						
Diabetes						
-.0031006	.0073327	-0.42	0.672	-.0174741	.011273	
.0019819	.0091511	0.22	0.829	-.015954	.0199177	
timew1w3	0	(omitted)				
w1CVhighChol						
Yes	.0003253	.0323009	0.01	0.992	-.0640137	.0646642
w1CVhighChol#c.timew1w3						
Yes	-.0070001	.0070065	-1.00	0.318	-.0207338	.0067337
timew1w3	0	(omitted)				
1.w1cvdbr	.0231993	.0382582	0.61	0.544	-.0519409	.0983396

w1cvdbr#c.timew1w3							
1	<b>- .00632</b>	<b>.0090518</b>	<b>-0.70</b>	<b>0.485</b>	<b>- .0240829</b>	<b>.0114429</b>	
timew1w3	<b>0</b>	(omitted)					
invmillsmms	<b>- .0005845</b>	<b>.0005624</b>	<b>-1.04</b>	<b>0.299</b>	<b>- .0016868</b>	<b>.0005179</b>	
c.timew1w3#c.invmillsmms	<b>- .0001289</b>	<b>.0001113</b>	<b>-1.16</b>	<b>0.247</b>	<b>- .0003471</b>	<b>.0000893</b>	
timew1w3	<b>0</b>	(omitted)					
w1HCYcenter2p15	<b>.0580036</b>	<b>.0423556</b>	<b>1.37</b>	<b>0.171</b>	<b>- .0250119</b>	<b>.141019</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>- .0168603</b>	<b>.0097541</b>	<b>-1.73</b>	<b>0.084</b>	<b>- .0359784</b>	<b>.0022577</b>	
_cons	<b>3.440177</b>	<b>.0608428</b>	<b>56.54</b>	<b>0.000</b>	<b>3.320797</b>	<b>3.559557</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.0248834</b>	<b>.0055037</b>	<b>.0161302</b>	<b>.0383866</b>
sd(_cons)	<b>.2318367</b>	<b>.0096388</b>	<b>.2136943</b>	<b>.2515195</b>
sd(Residual)	<b>.1862216</b>	<b>.0088197</b>	<b>.1697133</b>	<b>.2043358</b>

560 .

561 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4kobs==1 & Race==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,156
Group variable: HNDID	Number of groups	= 615
	Obs per group:	
	min	= 1
	avg	= 1.9
	max	= 2
DF adjustment: Large sample	Average RVI	= .
	Largest FMI	= .
	DF: min	= 0.00
	avg	= .
	max	= .
Model F test: Equal FMI	F( 41, 48917.3)	= 9.37
	Prob > F	= 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>.0167339</b>	<b>.0188516</b>	<b>0.89</b>	<b>0.375</b>	<b>-.0202153</b>
w1Agecent48	<b>.0097555</b>	<b>.0024437</b>	<b>3.99</b>	<b>0.000</b>	<b>.0049657</b>
c.timew1w3#c.w1Agecent48	<b>.0007844</b>	<b>.0004549</b>	<b>1.72</b>	<b>0.085</b>	<b>-.0001072</b>
timew1w3	<b>0</b>	(omitted)			
Sex					
Men	<b>.1001935</b>	<b>.0432793</b>	<b>2.32</b>	<b>0.021</b>	<b>.0153674</b>
Sex#c.timew1w3					<b>.1850197</b>

	Men	<b>- .0076205</b>	<b>.0080938</b>	<b>-0.94</b>	<b>0.346</b>	<b>-.0234852</b>	<b>.0082443</b>
	timew1w3	0 (omitted)					
	Race White	0 (omitted)					
	Race#c.timew1w3 White	0 (omitted)					
	timew1w3	0 (omitted)					
	PovStat Below	<b>.0896592</b>	<b>.0474804</b>	<b>1.89</b>	<b>0.059</b>	<b>-.0034012</b>	<b>.1827196</b>
	PovStat#c.timew1w3 Below	<b>-.0087339</b>	<b>.0089493</b>	<b>-0.98</b>	<b>0.329</b>	<b>-.0262746</b>	<b>.0088068</b>
	timew1w3	0 (omitted)					
	w1edubr 2	<b>-.130345</b>	<b>.0785415</b>	<b>-1.66</b>	<b>0.097</b>	<b>-.2842865</b>	<b>.0235965</b>
	3	<b>-.2205853</b>	<b>.0914088</b>	<b>-2.41</b>	<b>0.016</b>	<b>-.3998964</b>	<b>-.0412743</b>
	w1edubr#c.timew1w3 2	<b>.0238672</b>	<b>.0150548</b>	<b>1.59</b>	<b>0.113</b>	<b>-.0056397</b>	<b>.0533742</b>
	3	<b>.0275597</b>	<b>.0173057</b>	<b>1.59</b>	<b>0.111</b>	<b>-.0063594</b>	<b>.0614788</b>
	timew1w3	0 (omitted)					
	w1WRATtotalcent42	<b>-.0289836</b>	<b>.0032396</b>	<b>-8.95</b>	<b>0.000</b>	<b>-.0353334</b>	<b>-.0226338</b>
	c.timew1w3#c.w1WRATtotalcent42	<b>-.0000357</b>	<b>.0006618</b>	<b>-0.05</b>	<b>0.957</b>	<b>-.0013329</b>	<b>.0012616</b>
	timew1w3 1.w1smoke	0 (omitted)					
		<b>.0361949</b>	<b>.0497044</b>	<b>0.73</b>	<b>0.468</b>	<b>-.0619618</b>	<b>.1343517</b>
	w1smoke#c.timew1w3 1	<b>-.0111449</b>	<b>.0097457</b>	<b>-1.14</b>	<b>0.253</b>	<b>-.0302608</b>	<b>.007971</b>
	timew1w3 1.w1currdrugs	0 (omitted)					
		<b>-.0327369</b>	<b>.0652362</b>	<b>-0.50</b>	<b>0.617</b>	<b>-.1620934</b>	<b>.0966195</b>
	w1currdrugs#c.timew1w3 1	<b>-.0106391</b>	<b>.0119499</b>	<b>-0.89</b>	<b>0.373</b>	<b>-.0340828</b>	<b>.0128046</b>
	timew1w3 w1hei2010_total_scorecent43	0 (omitted)					
		<b>.0003441</b>	<b>.0017909</b>	<b>0.19</b>	<b>0.848</b>	<b>-.0031841</b>	<b>.0038723</b>
	c.timew1w3#c.w1hei2010_total_scorecent43	<b>-.0005128</b>	<b>.0003884</b>	<b>-1.32</b>	<b>0.188</b>	<b>-.0012783</b>	<b>.0002527</b>
	timew1w3 w1BMIcon30	0 (omitted)					
		<b>.0000883</b>	<b>.0031575</b>	<b>0.03</b>	<b>0.978</b>	<b>-.0061016</b>	<b>.0062781</b>
	c.timew1w3#c.w1BMIcon30	<b>-.0012203</b>	<b>.0006081</b>	<b>-2.01</b>	<b>0.045</b>	<b>-.0024124</b>	<b>-.0000282</b>
	timew1w3	0 (omitted)					
	w1SRH 2	<b>-.1114074</b>	<b>.0578203</b>	<b>-1.93</b>	<b>0.054</b>	<b>-.2247334</b>	<b>.0019186</b>
	3	<b>-.03419</b>	<b>.0637294</b>	<b>-0.54</b>	<b>0.592</b>	<b>-.1590996</b>	<b>.0907197</b>
	w1SRH#c.timew1w3 2	<b>-.021939</b>	<b>.0110981</b>	<b>-1.98</b>	<b>0.048</b>	<b>-.0436909</b>	<b>-.000187</b>

	3	<b>- .0388539</b>	<b>.0123142</b>	<b>-3.16</b>	<b>0.002</b>	<b>-.0629899</b>	<b>-.0147178</b>
	timew1w3 w1CEScent15	<b>0</b> <b>.0048411</b>	<b>(omitted)</b> <b>.0019924</b>	<b>2.43</b>	<b>0.015</b>	<b>.0009359</b>	<b>.0087462</b>
c.timew1w3#c.w1CEScent15		<b>-.0006421</b>	<b>.0003791</b>	<b>-1.69</b>	<b>0.090</b>	<b>-.0013851</b>	<b>.0001008</b>
	timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1dxHTN Yes	<b>.0060988</b>	<b>.0509662</b>	<b>0.12</b>	<b>0.905</b>	<b>-.0939225</b>	<b>.1061201</b>
w1dxHTN#c.timew1w3 Yes		<b>-.008172</b>	<b>.0098475</b>	<b>-0.83</b>	<b>0.407</b>	<b>-.0274788</b>	<b>.0111348</b>
	timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1dxDiabetes preDiabetes Diabetes	<b>-.0146759</b> <b>.0334974</b>	<b>.0523828</b> <b>.0676113</b>	<b>-0.28</b> <b>0.50</b>	<b>0.779</b> <b>0.621</b>	<b>-.1173658</b> <b>-.0993929</b>	<b>.0880139</b> <b>.1663878</b>
w1dxDiabetes#c.timew1w3 preDiabetes Diabetes		<b>.0108994</b> <b>.0089667</b>	<b>.0100685</b> <b>.0132288</b>	<b>1.08</b> <b>0.68</b>	<b>0.279</b> <b>0.498</b>	<b>-.0088362</b> <b>-.0169804</b>	<b>.0306349</b> <b>.0349138</b>
	timew1w3	<b>0</b>	<b>(omitted)</b>				
	w1CVhighChol Yes	<b>.0158723</b>	<b>.0493308</b>	<b>0.32</b>	<b>0.748</b>	<b>-.0813097</b>	<b>.1130542</b>
w1CVhighChol#c.timew1w3 Yes		<b>-.0084303</b>	<b>.0101937</b>	<b>-0.83</b>	<b>0.409</b>	<b>-.0284876</b>	<b>.011627</b>
	timew1w3 1.w1cvdbr	<b>0</b> <b>-.0132229</b>	<b>(omitted)</b> <b>.0682328</b>	<b>-0.19</b>	<b>0.847</b>	<b>-.1493912</b>	<b>.1229454</b>
w1cvdbr#c.timew1w3 1		<b>.0096957</b>	<b>.0124048</b>	<b>0.78</b>	<b>0.435</b>	<b>-.0146371</b>	<b>.0340284</b>
	timew1w3 invmillsmms	<b>0</b> <b>-.0033061</b>	<b>(omitted)</b> <b>.0009244</b>	<b>-3.58</b>	<b>0.000</b>	<b>-.0051179</b>	<b>-.0014943</b>
c.timew1w3#c.invmillsmms		<b>-.0000621</b>	<b>.0005983</b>	<b>-0.10</b>	<b>0.917</b>	<b>-.0012348</b>	<b>.0011107</b>
	timew1w3 w1HCYcenter2p15	<b>0</b> <b>-.0085821</b>	<b>(omitted)</b> <b>.0697329</b>	<b>-0.12</b>	<b>0.902</b>	<b>-.1452575</b>	<b>.1280934</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0003977</b>	<b>.0132765</b>	<b>0.03</b>	<b>0.976</b>	<b>-.0256242</b>	<b>.0264197</b>
	_cons	<b>4.552727</b>	<b>.0974136</b>	<b>46.74</b>	<b>0.000</b>	<b>4.361791</b>	<b>4.743663</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	<b>.0209635</b>	.	.	.	.
sd(_cons)	<b>.405202</b>	.	.	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.	.	.
sd(Residual)	<b>.2725237</b>	.	.	.	.

```

562 .
563 .
564 . save, replace
      file finaldata_imputed_FINAL.dta saved

565 .
566 .
567 .
568 . *****TABLE 2: HOMOCYSTEINE AT BASELINE VS. COGNITIVE CHANGE OVER TIME: AA*****
569 .
570 .
571 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
572 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Race==2 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,496
Number of groups = 810
Obs per group:
min = 1
avg = 1.8
max = 2
Average RVI = 0.0000
Largest FMI = 0.0000
DF: min = 4.54e+62
      avg = 5.92e+68
      max =
F( 11, 2.0e+65) = 5.75
Prob > F = 0.0000

```

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0023843	.0237447	0.10	0.920	-.0441545 .0489231
w1Agecent48	-.0349396	.0078283	-4.46	0.000	-.0502828 -.0195965
c.timew1w3#c.w1Agecent48	-.0013592	.00162	-0.84	0.401	-.0045344 .0018159
timew1w3	0 (omitted)				
Sex					
Men	-.1813531	.1503014	-1.21	0.228	-.4759383 .1132322
Sex#c.timew1w3					
Men	-.0192843	.0308664	-0.62	0.532	-.0797813 .0412127
timew1w3	0 (omitted)				
Race					
AfrAm	0 (omitted)				
Race#c.timew1w3					
AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	-.5727947	.1432557	-4.00	0.000	-.8535708 -.2920186
PovStat#c.timew1w3					
Below	-.0148951	.0291898	-0.51	0.610	-.072106 .0423158

	timew1w3	0	(omitted)				
	invmillsmms	<b>-.0010194</b>	<b>.0104883</b>	<b>-0.10</b>	<b>0.923</b>	<b>-.0215761</b>	<b>.0195373</b>
c.timew1w3#c.invmillsmms		<b>-.0022863</b>	<b>.0020105</b>	<b>-1.14</b>	<b>0.255</b>	<b>-.0062268</b>	<b>.0016542</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>-.4320787</b>	<b>.2218533</b>	<b>-1.95</b>	<b>0.051</b>	<b>-.8669032</b>	<b>.0027457</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0335482</b>	<b>.046809</b>	<b>0.72</b>	<b>0.474</b>	<b>-.0581959</b>	<b>.1252922</b>
_cons		<b>27.794</b>	<b>.1144541</b>	<b>242.84</b>	<b>0.000</b>	<b>27.56967</b>	<b>28.01833</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>1.26e-06</b>	<b>.0003992</b>	<b>1.8e-275</b>	<b>9.0e+262</b>
sd(_cons)	<b>1.50111</b>	<b>.0637914</b>	<b>1.381147</b>	<b>1.631494</b>
sd(Residual)	<b>1.29086</b>	<b>.0386969</b>	<b>1.2172</b>	<b>1.368976</b>

573 .  
 574 .  
 575 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4aobs==1 & Race==2 || HNDID: timew1w3, cov(un)  
 Multiple-imputation estimates  
 Mixed-effects ML regression  
 Group variable: HNDID  
 DF adjustment: Large sample  
 Model F test: Equal FMI  
 Imputations = 5  
 Number of obs = 1,496  
 Number of groups = 810  
 Obs per group:  
 min = 1  
 avg = 1.8  
 max = 2  
 Average RVI = .  
 Largest FMI = .  
 DF: min = 0.00  
 avg = .  
 max = .  
 F( 11, .) = 6.09  
 Prob > F = 0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.0438541</b>	<b>.1860553</b>	<b>-0.24</b>	<b>0.814</b>	<b>-.4085158</b>	<b>.3208076</b>
w1Agecent48	<b>-.2618202</b>	<b>.0586865</b>	<b>-4.46</b>	<b>0.000</b>	<b>-.3768436</b>	<b>-.1467968</b>
c.timew1w3#c.w1Agecent48	<b>-.0069063</b>	<b>.0126837</b>	<b>-0.54</b>	<b>0.586</b>	<b>-.0317659</b>	<b>.0179533</b>
timew1w3	0	(omitted)				
Sex						
Men	<b>-.549414</b>	<b>1.127225</b>	<b>-0.49</b>	<b>0.626</b>	<b>-2.758734</b>	<b>1.659906</b>
Sex#c.timew1w3						
Men	<b>-.1658359</b>	<b>.2416565</b>	<b>-0.69</b>	<b>0.493</b>	<b>-.6394738</b>	<b>.3078021</b>
timew1w3	0	(omitted)				

Race						
AfrAm		0 (omitted)				
Race#c.timew1w3		0 (omitted)				
AfrAm		0 (omitted)				
timew1w3		0 (omitted)				
PovStat						
Below	-4.252963	1.074197	-3.96	0.000	-6.358351	-2.147575
PovStat#c.timew1w3						
Below	-.089959	.228426	-0.39	0.694	-.5376658	.3577478
timew1w3		0 (omitted)				
invmillsmms	-.0089304	.0786061	-0.11	0.910	-.1629956	.1451348
c.timew1w3#c.invmillsmms		-.020151	.0157733	-1.28	0.201	-.051066
timew1w3		0 (omitted)				
w1HCYcenter2p15	-2.382611	1.663092	-1.43	0.152	-5.642212	.87699
c.timew1w3#c.w1HCYcenter2p15		.3739077	.3651407	1.02	0.306	-.341755
_cons	76.15985	.8583284	88.73	0.000	74.47756	77.84214

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.5409029	.1427186	.3224984	.9072167
sd(_cons)	10.88552	.53088	9.893198	11.97738
corr(timew1w3,_cons)	-.9999999	.	.	.
sd(Residual)	10.0833	.2796885	9.549758	10.64666

576 .

577 .

578 .

579 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4bobs==1 & Race==2 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5  
 Number of obs = 1,424

Group variable: HNDID

Number of groups = 805  
 Obs per group:

min = 1  
 avg = 1.8  
 max = 2

Average RVI = 0.0000  
 Largest FMI = 0.0000

DF adjustment: Large sample

DF: min = 3.56e+61  
 avg = 1.31e+63

max = .

Model F test: Equal FMI

F( 11, 2.3e+64) = 66.54  
 Prob > F = 0.0000

cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-1.028224</b>	.0729061	<b>-14.10</b>	<b>0.000</b>	<b>-1.171117</b> <b>-.8853304</b>
w1Agecent48	<b>-.1401206</b>	.0242995	<b>-5.77</b>	<b>0.000</b>	<b>-.1877468</b> <b>-.0924945</b>
c.timew1w3#c.w1Agecent48	<b>-.0059046</b>	.0049585	<b>-1.19</b>	<b>0.234</b>	<b>-.0156231</b> <b>.0038139</b>
timew1w3	0	(omitted)			
Sex					
Men	<b>-1.980589</b>	.4695902	<b>-4.22</b>	<b>0.000</b>	<b>-2.900969</b> <b>-1.060209</b>
Sex#c.timew1w3					
Men	<b>-.1871638</b>	.0949345	<b>-1.97</b>	<b>0.049</b>	<b>-.373232</b> <b>-.0010957</b>
timew1w3	0	(omitted)			
Race					
AfrAm	0	(omitted)			
Race#c.timew1w3					
AfrAm	0	(omitted)			
timew1w3	0	(omitted)			
PovStat					
Below	<b>-1.339365</b>	.4437935	<b>-3.02</b>	<b>0.003</b>	<b>-2.209184</b> <b>-.4695459</b>
PovStat#c.timew1w3					
Below	<b>-.0092867</b>	.0886335	<b>-0.10</b>	<b>0.917</b>	<b>-.1830051</b> <b>.1644317</b>
timew1w3	0	(omitted)			
invmillsmms	<b>.0365658</b>	.0446886	<b>0.82</b>	<b>0.413</b>	<b>-.0510221</b> <b>.1241538</b>
c.timew1w3#c.invmillsmms	<b>-.0125744</b>	.0087265	<b>-1.44</b>	<b>0.150</b>	<b>-.0296779</b> <b>.0045292</b>
timew1w3	0	(omitted)			
w1HCYcenter2p15	<b>.9315342</b>	.6857181	<b>1.36</b>	<b>0.174</b>	<b>-.4124486</b> <b>2.275517</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0776048</b>	.1377439	<b>-0.56</b>	<b>0.573</b>	<b>-.3475778</b> <b>.1923683</b>
_cons	<b>24.92812</b>	.3577618	<b>69.68</b>	<b>0.000</b>	<b>24.22692</b> <b>25.62932</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Independent			
sd(timew1w3)	<b>.28479</b>	.1587236	<b>.0955256</b> <b>.8490429</b>
sd(_cons)	<b>4.579697</b>	.1669973	<b>4.263811</b> <b>4.918986</b>
sd(Residual)	<b>3.654805</b>	.1745951	<b>3.328136</b> <b>4.013537</b>

```

580 .
581 .
582 .
583 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4cobs==1 & Race==2 || HNDID:

Multiple-imputation estimates
Mixed-effects ML regression

Imputations      =      5
Number of obs    = 1,357

Group variable: HNDID
Number of groups  =     792
Obs per group:
min =          1
avg =         1.7
max =          2
Average RVI      =  0.0000
Largest FMI      =  0.0000
DF: min          = 2.98e+61
      avg          = 1.80e+64
      max          =
Model F test: Equal FMI
F( 11, 1.4e+64) =   36.05
Prob > F          = 0.0000

```

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.3387073	.0358792	-9.44	0.000	-.4090292 -.2683853
w1Agecent48	-.0845079	.0116198	-7.27	0.000	-.1072823 -.0617335
c.timew1w3#c.w1Agecent48	-.0015322	.0024749	-0.62	0.536	-.006383 .0033186
timew1w3	0 (omitted)				
Sex					
Men	-.8306148	.2247068	-3.70	0.000	-1.271032 -.3901976
Sex#c.timew1w3					
Men	-.0551913	.0471074	-1.17	0.241	-.1475202 .0371376
timew1w3	0 (omitted)				
Race					
AfrAm	0 (omitted)				
Race#c.timew1w3					
AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	-.4632046	.2120436	-2.18	0.029	-.8788023 -.0476068
PovStat#c.timew1w3					
Below	-.0207764	.0439797	-0.47	0.637	-.1069749 .0654222
timew1w3	0 (omitted)				
invmillsmms	.012866	.0233384	0.55	0.581	-.0328764 .0586084
c.timew1w3#c.invmillsmms	-.0036398	.0044209	-0.82	0.410	-.0123046 .0050249
timew1w3	0 (omitted)				
w1HCYcenter2p15	.2322403	.3283226	0.71	0.479	-.4112602 .8757408

c.timew1w3#c.w1HCYcenter2p15	.0028157	.0682037	0.04	0.967	-.130861	.1364924
_cons	7.250543	.1699639	42.66	0.000	6.91742	7.583666

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity				
sd(_cons)	2.046425	.0815243	1.892719	2.212613
sd(Residual)	1.822084	.0538298	1.719576	1.930703

584 .  
 585 .  
 586 .  
 587 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4dobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,555

Group variable: HNDID

Number of groups	=	818
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0000
Largest FMI	=	0.0000

DF adjustment: Large sample

DF:	min	=	.
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 11, .)	=	29.37
Prob > F	=	0.0000

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.3781997	.058059	6.51	0.000	.2644062	.4919932
w1Agecent48	.1319229	.0198125	6.66	0.000	.0930911	.1707546
c.timew1w3#c.w1Agecent48	.009249	.0040059	2.31	0.021	.0013977	.0171004
timew1w3	0	(omitted)				
Sex						
Men	-1.537552	.378984	-4.06	0.000	-2.280347	-.7947573
Sex#c.timew1w3						
Men	.0850741	.0760717	1.12	0.263	-.0640236	.2341719
timew1w3	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3						
AfrAm	0	(omitted)				
timew1w3	0	(omitted)				

PovStat Below	.5949882	.3617541	1.64	0.100	-.1140367	1.304013
PovStat#c.timew1w3 Below	.1470824	.0723017	2.03	0.042	.0053736	.2887912
timew1w3 invmillsmms	0 .0088694	(omitted) .0279727	0.32	0.751	-.0459561	.063695
c.timew1w3#c.invmillsmms	-.0026963	.0056608	-0.48	0.634	-.0137913	.0083988
timew1w3 w1HCYcenter2p15	0 .3337182	(omitted) .5563011	0.60	0.549	-.756612	1.424048
c.timew1w3#c.w1HCYcenter2p15	.1922686	.1108742	1.73	0.083	-.0250409	.4095781
_cons	7.324439	.2875795	25.47	0.000	6.760794	7.888085

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.7674536	.0789101	.6273805	.9388004
sd(_cons)	4.569937	.1935661	4.205876	4.965513
corr(timew1w3,_cons)	-.5071121	.0379622	-.5776956	-.4290011
sd(Residual)	1.970327	.3250364	1.425999	2.722435

588 .  
 589 .  
 590 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4eobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,419
Group variable: HNDID	Number of groups = 806
	Obs per group:
	min = 1
	avg = 1.8
	max = 2
DF adjustment: Large sample	Average RVI = .
	Largest FMI = .
	DF: min = 0.00
	avg = .
	max = .
Model F test: Equal FMI	F( 11, 1.3e+66) = 4.40
	Prob > F = 0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0101731</b>	<b>.0273874</b>	<b>-0.37</b>	<b>0.710</b>	<b>-.0638515</b> <b>.0435053</b>
w1Agecent48	<b>-.0321226</b>	<b>.0089146</b>	<b>-3.60</b>	<b>0.000</b>	<b>-.0495949</b> <b>-.0146503</b>
c.timew1w3#c.w1Agecent48	<b>-.0008186</b>	<b>.0018794</b>	<b>-0.44</b>	<b>0.663</b>	<b>-.0045022</b> <b>.002865</b>
timew1w3	0	(omitted)			
Sex					
Men	<b>-.0395175</b>	<b>.1707178</b>	<b>-0.23</b>	<b>0.817</b>	<b>-.3741181</b> <b>.2950832</b>
Sex#c.timew1w3					
Men	<b>-.0251016</b>	<b>.0354679</b>	<b>-0.71</b>	<b>0.479</b>	<b>-.0946174</b> <b>.0444143</b>
timew1w3	0	(omitted)			
Race					
AfrAm	0	(omitted)			
Race#c.timew1w3					
AfrAm	0	(omitted)			
timew1w3	0	(omitted)			
PovStat					
Below	<b>-.3750854</b>	<b>.1615297</b>	<b>-2.32</b>	<b>0.020</b>	<b>-.6916778</b> <b>-.058493</b>
PovStat#c.timew1w3					
Below	<b>-.0641561</b>	<b>.033302</b>	<b>-1.93</b>	<b>0.054</b>	<b>-.1294269</b> <b>.0011147</b>
timew1w3	0	(omitted)			
invmillsmms	<b>-.0009637</b>	<b>.014659</b>	<b>-0.07</b>	<b>0.948</b>	<b>-.0296949</b> <b>.0277675</b>
c.timew1w3#c.invmillsmms	<b>.0032964</b>	<b>.0030126</b>	<b>1.09</b>	<b>0.274</b>	<b>-.0026082</b> <b>.009201</b>
timew1w3	0	(omitted)			
w1HCYcenter2p15	<b>-.0959832</b>	<b>.2576375</b>	<b>-0.37</b>	<b>0.709</b>	<b>-.6009434</b> <b>.408977</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0120964</b>	<b>.0542426</b>	<b>-0.22</b>	<b>0.824</b>	<b>-.1184099</b> <b>.0942172</b>
_cons	<b>6.504754</b>	<b>.1304505</b>	<b>49.86</b>	<b>0.000</b>	<b>6.249076</b> <b>6.760432</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	<b>.0192797</b>	.	.
sd(_cons)	<b>1.586326</b>	.	.
corr(timew1w3,_cons)	<b>.9999986</b>	.	.
sd(Residual)	<b>1.429044</b>	.	.

591 .  
 592 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4fobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,573
Group variable: HNDID	Number of groups = 821
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
	Average RVI = 0.0000
	Largest FMI = 0.0000
DF adjustment: Large sample	DF: min = 1.39e+66
	avg = 1.39e+66
	max = .
Model F test: Equal FMI	F( 11, 2.1e+68) = 4.49
	Prob > F = 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0155266	.0515827	0.30	0.763	-.0855737 .1166268
w1Agecent48	-.0625201	.0194298	-3.22	0.001	-.1006017 -.0244384
c.timew1w3#c.w1Agecent48	-.0035524	.003554	-1.00	0.318	-.0105181 .0034134
timew1w3	0 (omitted)				
Sex					
Men	1.396196	.3722648	3.75	0.000	.6665704 2.125822
Sex#c.timew1w3					
Men	.0297626	.0676036	0.44	0.660	-.1027381 .1622632
timew1w3	0 (omitted)				
Race					
AfrAm	0 (omitted)				
Race#c.timew1w3					
AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	-.8105266	.354669	-2.29	0.022	-1.505665 -.115388
PovStat#c.timew1w3					
Below	.0204382	.0638532	0.32	0.749	-.1047119 .1455882
timew1w3	0 (omitted)				
invmillsmms	-.0046811	.0367653	-0.13	0.899	-.0767397 .0673775
c.timew1w3#c.invmillsmms	.0043862	.0072936	0.60	0.548	-.009909 .0186815
timew1w3	0 (omitted)				
w1HCYcenter2p15	.1534489	.5459825	0.28	0.779	-.9166571 1.223555
c.timew1w3#c.w1HCYcenter2p15	-.1444794	.0976899	-1.48	0.139	-.3359481 .0469893

<u>_cons</u>	<b>17.86288</b>	.2823952	63.25	0.000	17.30939	18.41636
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	.47993	.147553	.2627112	.8767528	
sd(_cons)	4.29536	.2315779	3.864634	4.774093	
corr(timew1w3,_cons)	-.300037	.0892431	-.4635137	-.1168076	
sd(Residual)	<b>2.408444</b>	.3279104	<b>1.844358</b>	<b>3.145053</b>	

593 .  
 594 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4gobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,546
Group variable: HNDID		
Number of groups	=	820
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.
DF adjustment: Large sample	DF:	min = 0.00
	avg	= .
	max	= .
Model F test: Equal FMI	F( 11, .)	= 4.79
	Prob > F	= 0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.025982	.0204903	1.27	0.205	-.0141781	.0661422
w1Agecent48	-.0169784	.0079396	-2.14	0.032	-.0325397	-.0014171
c.timew1w3#c.w1Agecent48	-.0051446	.0014014	-3.67	0.000	-.0078913	-.0023979
timew1w3	0	(omitted)				
Sex						
Men	.2788237	.1522511	1.83	0.067	-.0195831	.5772304
Sex#c.timew1w3						
Men	-.0570228	.026669	-2.14	0.033	-.1092932	-.0047525
timew1w3	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3						
AfrAm	0	(omitted)				
timew1w3	0	(omitted)				
PovStat						
Below	-.3658393	.1442178	-2.54	0.011	-.648501	-.0831776

PovStat#c.timew1w3 Below	<b>-.0417472</b>	<b>.0249841</b>	<b>-1.67</b>	<b>0.095</b>	<b>-.0907151</b>	<b>.0072207</b>
timew1w3 invmillsmmms	<b>0</b> (omitted)	<b>-.0014327</b>	<b>.0129053</b>	<b>-0.11</b>	<b>0.912</b>	<b>-.0267267</b>
c.timew1w3#c.invmillsmmms	<b>-.0005388</b>	<b>.0024111</b>	<b>-0.22</b>	<b>0.823</b>	<b>-.0052645</b>	<b>.004187</b>
timew1w3 w1HCYcenter2p15	<b>0</b> (omitted)	<b>-.1725909</b>	<b>.2244486</b>	<b>-0.77</b>	<b>0.442</b>	<b>-.612502</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0259886</b>	<b>.0395924</b>	<b>-0.66</b>	<b>0.512</b>	<b>-.1035882</b>	<b>.0516111</b>
_cons	<b>7.05178</b>	<b>.115574</b>	<b>61.02</b>	<b>0.000</b>	<b>6.825259</b>	<b>7.278301</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	<b>.0107237</b>	.	.	.	.
sd(_cons)	<b>1.655595</b>	.	.	.	.
corr(timew1w3,_cons)	<b>.999988</b>	.	.	.	.
sd(Residual)	<b>1.132102</b>	.	.	.	.

595 .  
596 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4hobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,536
Group variable: HNDID	Number of groups = 819
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
DF adjustment: Large sample	Average RVI = 0.0000
	Largest FMI = 0.0000
	DF: min = 3.97e+61
	avg = 4.24e+69
	max = .
Model F test: Equal FMI	F( 11, 1.9e+64) = 3.93
	Prob > F = 0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0049302</b>	<b>.0218936</b>	<b>-0.23</b>	<b>0.822</b>	<b>-.0478409</b>
w1Agecent48	<b>-.0260775</b>	<b>.0075444</b>	<b>-3.46</b>	<b>0.001</b>	<b>-.0408641</b>
c.timew1w3#c.w1Agecent48	<b>-.0010571</b>	<b>.0014936</b>	<b>-0.71</b>	<b>0.479</b>	<b>-.0039844</b>
timew1w3	<b>0</b> (omitted)				
Sex					
Men	<b>.0220938</b>	<b>.1451867</b>	<b>0.15</b>	<b>0.879</b>	<b>-.262467</b>
Sex#c.timew1w3					<b>.3066546</b>

	Men	<b>- .0471513</b>	<b>.0284794</b>	<b>-1.66</b>	<b>0.098</b>	<b>- .1029699</b>	<b>.0086672</b>
	timew1w3		<b>0</b> (omitted)				
	Race						
	AfrAm		<b>0</b> (omitted)				
	Race#c.timew1w3						
	AfrAm		<b>0</b> (omitted)				
	timew1w3		<b>0</b> (omitted)				
	PovStat						
	Below	<b>-.5083653</b>	<b>.1371531</b>	<b>-3.71</b>	<b>0.000</b>	<b>-.7771803</b>	<b>-.2395502</b>
	PovStat#c.timew1w3						
	Below	<b>.015147</b>	<b>.0266038</b>	<b>0.57</b>	<b>0.569</b>	<b>-.0369954</b>	<b>.0672895</b>
	timew1w3		<b>0</b> (omitted)				
	invmillsmms	<b>.013932</b>	<b>.0126053</b>	<b>1.11</b>	<b>0.269</b>	<b>-.010774</b>	<b>.038638</b>
	c.timew1w3#c.invmillsmms	<b>-.0056318</b>	<b>.0025106</b>	<b>-2.24</b>	<b>0.025</b>	<b>-.0105525</b>	<b>-.0007112</b>
	timew1w3		<b>0</b> (omitted)				
	w1HCYcenter2p15	<b>-.2495573</b>	<b>.2141422</b>	<b>-1.17</b>	<b>0.244</b>	<b>-.6692682</b>	<b>.1701536</b>
	c.timew1w3#c.w1HCYcenter2p15	<b>.0432842</b>	<b>.0422282</b>	<b>1.03</b>	<b>0.305</b>	<b>-.0394816</b>	<b>.1260499</b>
	_cons	<b>5.395497</b>	<b>.1101354</b>	<b>48.99</b>	<b>0.000</b>	<b>5.179636</b>	<b>5.611359</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	<b>.0043272</b>	<b>.0167129</b>	<b>2.23e-06</b>	<b>8.390405</b>
sd(_cons)	<b>1.465161</b>	<b>.0624577</b>	<b>1.34772</b>	<b>1.592835</b>
corr(timew1w3,_cons)	<b>.999233</b>	<b>.198055</b>	<b>-1</b>	<b>1</b>
sd(Residual)	<b>1.206993</b>	<b>.03196</b>	<b>1.14595</b>	<b>1.271287</b>

597 .

598 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4iobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,561
Group variable: HNDID	Number of groups	=	819
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF:	min	= 5.72e+60
		avg	= 1.01e+64
		max	= .
Model F test: Equal FMI	F( 11, 1.9e+65)	=	1.96
	Prob > F	=	0.0285

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0119753</b>	<b>.0177934</b>	<b>-0.67</b>	<b>0.501</b>	<b>-.0468498</b> <b>.0228991</b>
w1Agecent48	<b>-.005081</b>	<b>.00491</b>	<b>-1.03</b>	<b>0.301</b>	<b>-.0147045</b> <b>.0045425</b>
c.timew1w3#c.w1Agecent48	<b>-.0008256</b>	<b>.0012292</b>	<b>-0.67</b>	<b>0.502</b>	<b>-.0032349</b> <b>.0015837</b>
timew1w3	0	(omitted)			
Sex					
Men	<b>.1912204</b>	<b>.0941557</b>	<b>2.03</b>	<b>0.042</b>	<b>.0066788</b> <b>.3757621</b>
Sex#c.timew1w3					
Men	<b>.0148153</b>	<b>.0232979</b>	<b>0.64</b>	<b>0.525</b>	<b>-.0308478</b> <b>.0604784</b>
timew1w3	0	(omitted)			
Race					
AfrAm	0	(omitted)			
Race#c.timew1w3					
AfrAm	0	(omitted)			
timew1w3	0	(omitted)			
PovStat					
Below	<b>-.0353316</b>	<b>.0898522</b>	<b>-0.39</b>	<b>0.694</b>	<b>-.2114386</b> <b>.1407754</b>
PovStat#c.timew1w3					
Below	<b>-.001419</b>	<b>.0220529</b>	<b>-0.06</b>	<b>0.949</b>	<b>-.0446419</b> <b>.0418039</b>
timew1w3	0	(omitted)			
invmillsmms	<b>.0055596</b>	<b>.0086956</b>	<b>0.64</b>	<b>0.523</b>	<b>-.0114834</b> <b>.0226026</b>
c.timew1w3#c.invmillsmms	<b>-.0012432</b>	<b>.0019626</b>	<b>-0.63</b>	<b>0.526</b>	<b>-.0050898</b> <b>.0026034</b>
timew1w3	0	(omitted)			
w1HCYcenter2p15	<b>-.0934864</b>	<b>.1387662</b>	<b>-0.67</b>	<b>0.501</b>	<b>-.3654631</b> <b>.1784903</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0613159</b>	<b>.034175</b>	<b>-1.79</b>	<b>0.073</b>	<b>-.1282977</b> <b>.0056658</b>
_cons	<b>8.582201</b>	<b>.0711505</b>	<b>120.62</b>	<b>0.000</b>	<b>8.442749</b> <b>8.721654</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	<b>.1366032</b>	<b>.040625</b>	<b>.0762638</b> <b>.2446828</b>
sd(_cons)	<b>.8559023</b>	<b>.0832308</b>	<b>.7073764</b> <b>1.035614</b>
corr(timew1w3,_cons)	<b>-.4512523</b>	<b>.0976384</b>	<b>-.6209632</b> <b>-.2411287</b>
sd(Residual)	<b>.8990183</b>	<b>.0714239</b>	<b>.7693846</b> <b>1.050494</b>

599 .  
 600 . mi estimate: mixed LnTrailsAttestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Pc  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4jobs==1 & Race==2 || HNDID: timew1w3

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,515
Group variable: HNDID	Number of groups = 809
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
	Average RVI = 0.0000
	Largest FMI = 0.0000
DF adjustment: Large sample	DF: min = 1.14e+55
	avg = 1.14e+55
	max = .
Model F test: Equal FMI	F( 11, .) = 18.88
	Prob > F = 0.0000

LnTrailsAttestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0022155	.0050406	0.44	0.660	-.007664 .0120949
w1Agecent48	.0130535	.0015484	8.43	0.000	.0100187 .0160884
c.timew1w3#c.w1Agecent48	.0007793	.0003491	2.23	0.026	.0000951 .0014634
timew1w3	0 (omitted)				
Sex					
Men	.118068	.0297507	3.97	0.000	.0597577 .1763783
Sex#c.timew1w3					
Men	-.0051983	.0066322	-0.78	0.433	-.0181971 .0078005
timew1w3	0 (omitted)				
Race					
AfrAm	0 (omitted)				
Race#c.timew1w3					
AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	.0995068	.0283479	3.51	0.000	.043946 .1550676
PovStat#c.timew1w3					
Below	.0085883	.006239	1.38	0.169	-.0036399 .0208164
timew1w3	0 (omitted)				
invmillsmms	.0107945	.0026258	4.11	0.000	.0056481 .0159409
c.timew1w3#c.invmillsmms	-.0012519	.0005624	-2.23	0.026	-.002354 -.0001497
timew1w3	0 (omitted)				
w1HCYcenter2p15	.0940325	.0437462	2.15	0.032	.0082915 .1797735
c.timew1w3#c.w1HCYcenter2p15	-.0019632	.0098494	-0.20	0.842	-.0212677 .0173413

<u>_cons</u>	<b>3.447184</b>	.0223288	154.38	0.000	3.40342	3.490947
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0160659	.0137724	.0029938	.0862169
sd(_cons)	.2678958	.0116489	.2460103	.2917283
sd(Residual)	.2751946	.0115728	.2534219	.2988378

601 .  
602 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4kobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

	Imputations =	5
	Number of obs =	1,453
	Number of groups =	799
Obs per group:		
min =	1	
avg =	1.8	
max =	2	
Average RVI =	0.0000	
Largest FMI =	0.0000	
DF: min =	1.54e+63	
avg =	1.54e+63	
max =	.	
F( 11, 7.3e+65) =	13.49	
Prob > F =	0.0000	

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0002216	.0077364	0.03	0.977	-.0149415	.0153847
w1Agecent48	.0219211	.0026614	8.24	0.000	.0167048	.0271374
c.timew1w3##c.w1Agecent48	.0003172	.0005392	0.59	0.556	-.0007397	.0013741
timew1w3	0 (omitted)					
Sex						
Men	.0252936	.0511353	0.49	0.621	-.0749298	.1255171
Sex#c.timew1w3						
Men	-.0023902	.0102753	-0.23	0.816	-.0225294	.0177491
timew1w3	0 (omitted)					
Race						
AfrAm	0 (omitted)					
Race#c.timew1w3						
AfrAm	0 (omitted)					
timew1w3	0 (omitted)					
PovStat						
Below	.223973	.0487383	4.60	0.000	.1284478	.3194983

PovStat#c.timew1w3						
Below	.0130335	.0097191	1.34	0.180	-.0060157	.0320827
timew1w3	0	(omitted)				
invmillsmms	.0073668	.0044116	1.67	0.095	-.0012797	.0160134
c.timew1w3#c.invmillsmms	-.0019615	.0008798	-2.23	0.026	-.0036859	-.000237
timew1w3	0	(omitted)				
w1HCYcenter2p15	.115642	.0753099	1.54	0.125	-.0319627	.2632467
c.timew1w3#c.w1HCYcenter2p15	.0173268	.0149549	1.16	0.247	-.0119843	.0466378
_cons	4.656952	.0383762	121.35	0.000	4.581736	4.732168

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.0702886	.0250643	.0349425	.1413892
sd(_cons)	.5646672	.0399922	.491481	.6487515
corr(timew1w3,_cons)	-.372408	.0849173	-.5258923	-.195435
sd(Residual)	.3411192	.0578022	.244721	.4754898

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603 .
604 .
605 . save, replace
      file finaldata_imputed_FINAL.dta saved

606 .
607 .
608 . //MODEL 2: MODEL 1 + BODY MASS INDEX///
609 .
610 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,496
Number of groups = 810
Obs per group:
    min = 1
    avg = 1.8
    max = 2
    Average RVI = .
    Largest FMI = .
DF: min = 0.00
    avg = .
    max = .
F( 25,47228.8) = 17.07
Prob > F = 0.0000

```

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0509505	.0745644	0.68	0.494	-.0952101 .1971111
w1Agecent48	-.0249606	.0075616	-3.30	0.001	-.039784 -.0101373
c.timew1w3#c.w1Agecent48	-.0020061	.0016843	-1.19	0.234	-.005308 .0012958
timew1w3	0 (omitted)				
Sex Men	-.2218256	.1441632	-1.54	0.124	-.5043816 .0607304
Sex#c.timew1w3 Men	-.0106654	.0318387	-0.33	0.738	-.0730684 .0517376
timew1w3	0 (omitted)				
Race AfrAm	0 (omitted)				
Race#c.timew1w3 AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat Below	-.172978	.1377694	-1.26	0.209	-.4430011 .0970451
PovStat#c.timew1w3 Below	-.0177893	.0301513	-0.59	0.555	-.0768848 .0413063
timew1w3	0 (omitted)				
w1edubr 2	.5425684	.3308	1.64	0.101	-.1062442 1.191381
3	.7725601	.3503965	2.20	0.028	.0848877 1.460232
w1edubr#c.timew1w3 2	-.0261552	.0725148	-0.36	0.718	-.1682943 .115984
3	-.052477	.0760539	-0.69	0.490	-.2015789 .0966249
timew1w3	0 (omitted)				
w1WRATtotalcent42	.1405544	.0093809	14.98	0.000	.1221659 .1589429
c.timew1w3#c.w1WRATtotalcent42	-.005505	.0022256	-2.47	0.013	-.0098676 -.0011425
timew1w3	0 (omitted)				
1.w1smoke	-.0057507	.1453991	-0.04	0.968	-.2907933 .2792918
w1smoke#c.timew1w3 1	-.048522	.0329804	-1.47	0.141	-.1131648 .0161208
timew1w3	0 (omitted)				
1.w1currdrugs	-.1358349	.1847821	-0.74	0.464	-.5022766 .2306067
w1currdrugs#c.timew1w3 1	.013399	.0390501	0.34	0.732	-.0632691 .090067
timew1w3	0 (omitted)				
w1hei2010_total_scorecent43	-.0058367	.0074934	-0.78	0.441	-.021006 .0093326
c.timew1w3#c.w1hei2010_total_scorecent43	.0011452	.0016994	0.67	0.503	-.0022442 .0045346

timew1w3	0	(omitted)					
w1BMIcon30	<b>-.013358</b>	<b>.0092589</b>	<b>-1.44</b>	<b>0.149</b>	<b>-.031506</b>	<b>.00479</b>	
c.timew1w3#c.w1BMIcon30	<b>-.000261</b>	<b>.0020191</b>	<b>-0.13</b>	<b>0.897</b>	<b>-.0042193</b>	<b>.0036972</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>-.0057132</b>	<b>.0096914</b>	<b>-0.59</b>	<b>0.556</b>	<b>-.0247079</b>	<b>.0132815</b>	
c.timew1w3#c.invmillsmms	<b>-.0026506</b>	<b>.0020182</b>	<b>-1.31</b>	<b>0.189</b>	<b>-.0066063</b>	<b>.0013051</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>-.1832255</b>	<b>.2061241</b>	<b>-0.89</b>	<b>0.374</b>	<b>-.587224</b>	<b>.220773</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>.0227018</b>	<b>.0465167</b>	<b>0.49</b>	<b>0.626</b>	<b>-.0684695</b>	<b>.1138731</b>	
_cons	<b>27.21199</b>	<b>.3414825</b>	<b>79.69</b>	<b>0.000</b>	<b>26.5424</b>	<b>27.88159</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0936008</b>	.	.
sd(_cons)	<b>1.310706</b>	.	.
corr(timew1w3,_cons)	<b>-.9999999</b>	.	.
sd(Residual)	<b>1.264719</b>	.	.

```

611 .
612 .
613 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon30
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,496
Number of groups = 810
Obs per group:
    min = 1
    avg = 1.8
    max = 2
    Average RVI = .
    Largest FMI = .
DF:    min = 0.00
        avg = .
        max = .
F( 25, 58977.9) = 14.09
Prob > F = 0.0000

```

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.1465376	.5743281	0.26	0.799	-.979157 1.272232
w1Agecent48	-.2040821	.0547146	-3.73	0.000	-.3113387 -.0968255
c.timew1w3#c.w1Agecent48	-.0131064	.013009	-1.01	0.314	-.0386084 .0123955
timew1w3	0	(omitted)			
Sex					
Men	-.8046154	1.042926	-0.77	0.440	-2.848716 1.239485
Sex#c.timew1w3					
Men	-.1554887	.2458554	-0.63	0.527	-.6373578 .3263803
timew1w3	0	(omitted)			
Race					
AfrAm	0	(omitted)			
Race#c.timew1w3					
AfrAm	0	(omitted)			
timew1w3	0	(omitted)			
PovStat					
Below	-1.584093	.9979077	-1.59	0.112	-3.539959 .3717722
PovStat#c.timew1w3					
Below	-.1590705	.2329631	-0.68	0.495	-.6156704 .2975295
timew1w3	0	(omitted)			
w1edubr					
2	2.814779	2.358911	1.19	0.233	-1.809084 7.438643
3	5.000466	2.500416	2.00	0.046	.0975782 9.903354
w1edubr#c.timew1w3					
2	-.1570069	.5582696	-0.28	0.779	-1.251203 .9371896
3	-.2618846	.5851968	-0.45	0.655	-1.408956 .885187
timew1w3	0	(omitted)			
w1WRATtotalcent42	.8685549	.0677919	12.81	0.000	.7356755 1.001434
c.timew1w3#c.w1WRATtotalcent42	-.0201703	.0172256	-1.17	0.242	-.0539339 .0135934
timew1w3	0	(omitted)			
1.w1smoke	-.5233225	1.049638	-0.50	0.618	-2.580721 1.534076
w1smoke#c.timew1w3					
1	-.1666959	.2562145	-0.65	0.515	-.6689478 .3355561
timew1w3	0	(omitted)			
1.w1currdrugs	-.6513694	1.309947	-0.50	0.620	-3.237861 1.935122
w1currdrugs#c.timew1w3					
1	.0790676	.3023274	0.26	0.794	-.5146644 .6727996
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	-.0342044	.0546673	-0.63	0.535	-.144838 .0764292
c.timew1w3#c.w1hei2010_total_scorecent43	.0112604	.0132965	0.85	0.400	-.0153371 .037858

timew1w3	0	(omitted)					
w1BMICent30	<b>-.1029883</b>	<b>.0667599</b>	<b>-1.54</b>	<b>0.123</b>	<b>-.2338361</b>	<b>.0278595</b>	
c.timew1w3#c.w1BMICent30	<b>.0016226</b>	<b>.0155432</b>	<b>0.10</b>	<b>0.917</b>	<b>-.0288462</b>	<b>.0320914</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>-.0385725</b>	<b>.070197</b>	<b>-0.55</b>	<b>0.583</b>	<b>-.1761562</b>	<b>.0990112</b>	
c.timew1w3#c.invmillsmms	<b>-.0218386</b>	<b>.01556</b>	<b>-1.40</b>	<b>0.160</b>	<b>-.0523359</b>	<b>.0086586</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>-.7980474</b>	<b>1.492326</b>	<b>-0.53</b>	<b>0.593</b>	<b>-3.72297</b>	<b>2.126875</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>.2542263</b>	<b>.3600062</b>	<b>0.71</b>	<b>0.480</b>	<b>-.4513755</b>	<b>.9598282</b>	
_cons	<b>72.91423</b>	<b>2.449867</b>	<b>29.76</b>	<b>0.000</b>	<b>68.11198</b>	<b>77.71648</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.4600992</b>	.	.
sd(_cons)	<b>8.674936</b>	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.
sd(Residual)	<b>9.935783</b>	.	.

614 .  
 615 .  
 616 .  
 617 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4bobs==1 & Race==2 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,424

Group variable: HNDID

Number of groups	=	805
Obs per group:		
min	=	1
avg	=	1.8
max	=	2

DF adjustment: Large sample

Average RVI	=	0.0517
Largest FMI	=	0.3259
DF: min	=	45.41
avg	=	3803106.30
max	=	6.40e+07

Model F test: Equal FMI

F( 25, 29985.3)	=	32.23
Prob > F	=	0.0000

	cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-1.162801</b>	.2135916	-5.44	<b>0.000</b>	<b>-1.581559</b> <b>-.7440417</b>
w1Agecent48		<b>-.1410223</b>	.0238624	-5.91	<b>0.000</b>	<b>-.1877941</b> <b>-.0942506</b>
c.timew1w3#c.w1Agecent48		<b>-.0033175</b>	.0051554	-0.64	<b>0.520</b>	<b>-.013422</b> <b>.006787</b>
	timew1w3	0	(omitted)			
Sex						
Men		<b>-1.755434</b>	.4612481	-3.81	<b>0.000</b>	<b>-2.659464</b> <b>-.8514044</b>
Sex#c.timew1w3						
Men		<b>-.2259066</b>	.0987221	-2.29	<b>0.022</b>	<b>-.4193989</b> <b>-.0324144</b>
	timew1w3	0	(omitted)			
Race						
AfrAm		0	(omitted)			
Race#c.timew1w3						
AfrAm		0	(omitted)			
	timew1w3	0	(omitted)			
PovStat						
Below		<b>-.3343005</b>	.4424949	-0.76	<b>0.450</b>	<b>-1.201584</b> <b>.5329831</b>
PovStat#c.timew1w3						
Below		<b>-.0624378</b>	.0929295	-0.67	<b>0.502</b>	<b>-.2445764</b> <b>.1197008</b>
	timew1w3	0	(omitted)			
w1edubr						
2		<b>-.9571033</b>	1.066755	-0.90	<b>0.370</b>	<b>-3.056083</b> <b>1.141877</b>
3		<b>.5264857</b>	1.116937	0.47	<b>0.638</b>	<b>-1.669243</b> <b>2.722214</b>
w1edubr#c.timew1w3						
2		<b>.1796977</b>	.2043636	0.88	<b>0.379</b>	<b>-.2209739</b> <b>.5803692</b>
3		<b>.0726136</b>	.2174615	0.33	<b>0.738</b>	<b>-.353705</b> <b>.4989322</b>
	timew1w3	0	(omitted)			
w1WRATtotalcent42		<b>.2108876</b>	.0294503	7.16	<b>0.000</b>	<b>.153163</b> <b>.2686123</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0055914</b>	.0062365	-0.90	<b>0.370</b>	<b>-.0178158</b> <b>.0066329</b>
	timew1w3	0	(omitted)			
1.w1smoke		<b>-.7015148</b>	.5343292	-1.31	<b>0.196</b>	<b>-1.777443</b> <b>.3744138</b>
w1smoke#c.timew1w3						
1		<b>-.0041544</b>	.1048854	-0.04	<b>0.968</b>	<b>-.2101834</b> <b>.2018746</b>
	timew1w3	0	(omitted)			
1.w1currdrugs		<b>.0128015</b>	.5580583	0.02	<b>0.982</b>	<b>-1.088644</b> <b>1.114247</b>
w1currdrugs#c.timew1w3						
1		<b>.1642036</b>	.1200944	1.37	<b>0.173</b>	<b>-.0721329</b> <b>.4005401</b>
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		<b>.0181915</b>	.0214815	0.85	<b>0.399</b>	<b>-.0244445</b> <b>.0608276</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0030636</b>	.004679	-0.65	<b>0.513</b>	<b>-.0122423</b> <b>.0061152</b>

timew1w3	0	(omitted)					
w1BMICent30	<b>-.0113148</b>	<b>.0291847</b>	<b>-0.39</b>	<b>0.698</b>	<b>-.0685184</b>	<b>.0458889</b>	
c.timew1w3#c.w1BMICent30	<b>.0004166</b>	<b>.0061088</b>	<b>0.07</b>	<b>0.946</b>	<b>-.0115567</b>	<b>.0123899</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>.0321314</b>	<b>.0428219</b>	<b>0.75</b>	<b>0.453</b>	<b>-.0517981</b>	<b>.1160608</b>	
c.timew1w3#c.invmillsmms	<b>-.0135367</b>	<b>.0086177</b>	<b>-1.57</b>	<b>0.116</b>	<b>-.030427</b>	<b>.0033536</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>1.360401</b>	<b>.6530439</b>	<b>2.08</b>	<b>0.037</b>	<b>.0804543</b>	<b>2.640347</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>-.0907509</b>	<b>.1386586</b>	<b>-0.65</b>	<b>0.513</b>	<b>-.3625173</b>	<b>.1810154</b>	
_cons	<b>25.32944</b>	<b>1.10707</b>	<b>22.88</b>	<b>0.000</b>	<b>23.15256</b>	<b>27.50633</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.3635036</b>	<b>.1223279</b>	<b>.1879354</b>	<b>.703087</b>
sd(_cons)	<b>4.200355</b>	<b>.1641106</b>	<b>3.890711</b>	<b>4.534642</b>
sd(Residual)	<b>3.566698</b>	<b>.173106</b>	<b>3.243024</b>	<b>3.922676</b>

```

618 .
619 .
620 .
621 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4cobs==1 & Race==2 || HNDID:

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,357
Number of groups = 792
Obs per group:
    min = 1
    avg = 1.7
    max = 2
Average RVI = 0.0578
Largest FMI = 0.2912
DF: min = 56.33
        avg = 599,725.08
        max = 6251363.93
F( 25,25221.1) = 18.18
Prob > F = 0.0000

```

	CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		<b>-.4240227</b>	.1034459	<b>-4.10</b>	<b>0.000</b>	<b>-.6267743</b> <b>-.2212712</b>
w1Agecent48		<b>-.0846426</b>	.0116629	<b>-7.26</b>	<b>0.000</b>	<b>-.1075018</b> <b>-.0617834</b>
c.timew1w3#c.w1Agecent48		<b>-.0016652</b>	.002595	<b>-0.64</b>	<b>0.521</b>	<b>-.0067522</b> <b>.0034218</b>
timew1w3		0	(omitted)			
Sex						
Men		<b>-.651518</b>	.2259844	<b>-2.88</b>	<b>0.004</b>	<b>-1.09444</b> <b>-.2085962</b>
Sex#c.timew1w3						
Men		<b>-.0571809</b>	.0488206	<b>-1.17</b>	<b>0.242</b>	<b>-.1528675</b> <b>.0385058</b>
timew1w3		0	(omitted)			
Race						
AfrAm		0	(omitted)			
Race#c.timew1w3						
AfrAm		0	(omitted)			
timew1w3		0	(omitted)			
PovStat						
Below		<b>-.0977625</b>	.2175831	<b>-0.45</b>	<b>0.653</b>	<b>-.5242397</b> <b>.3287148</b>
PovStat#c.timew1w3						
Below		<b>-.0284459</b>	.0460304	<b>-0.62</b>	<b>0.537</b>	<b>-.1186641</b> <b>.0617723</b>
timew1w3		0	(omitted)			
w1edubr						
2		<b>-.7855482</b>	.5017508	<b>-1.57</b>	<b>0.117</b>	<b>-1.769135</b> <b>.1980388</b>
3		<b>-.4631542</b>	.5270764	<b>-0.88</b>	<b>0.380</b>	<b>-1.496275</b> <b>.5699667</b>
w1edubr#c.timew1w3						
2		<b>.0646583</b>	.0992768	<b>0.65</b>	<b>0.515</b>	<b>-.1299236</b> <b>.2592402</b>
3		<b>.1196857</b>	.1056802	<b>1.13</b>	<b>0.257</b>	<b>-.0874454</b> <b>.3268167</b>
timew1w3		0	(omitted)			
w1WRATtotalcent42		<b>.0885076</b>	.0144533	<b>6.12</b>	<b>0.000</b>	<b>.0601791</b> <b>.1168361</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0049246</b>	.0031015	<b>-1.59</b>	<b>0.112</b>	<b>-.0110036</b> <b>.0011544</b>
timew1w3		0	(omitted)			
1.w1smoke		<b>-.2240761</b>	.2493998	<b>-0.90</b>	<b>0.371</b>	<b>-.7198809</b> <b>.2717288</b>
w1smoke#c.timew1w3						
1		<b>.0068449</b>	.0543722	<b>0.13</b>	<b>0.900</b>	<b>-.1005707</b> <b>.1142606</b>
timew1w3		0	(omitted)			
1.w1currdrugs		<b>-.2237946</b>	.2683372	<b>-0.83</b>	<b>0.405</b>	<b>-.751008</b> <b>.3034189</b>
w1currdrugs#c.timew1w3						
1		<b>.0232766</b>	.0595276	<b>0.39</b>	<b>0.696</b>	<b>-.0938001</b> <b>.1403533</b>
timew1w3		0	(omitted)			
w1hei2010_total_scorecent43		<b>.0024416</b>	.0106436	<b>0.23</b>	<b>0.819</b>	<b>-.0186908</b> <b>.0235741</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0000457</b>	.0026069	<b>0.02</b>	<b>0.986</b>	<b>-.005176</b> <b>.0052674</b>

timew1w3 w1BMIcon30	0 .0216503	(omitted) .0143226	1.51	0.131	-.0064231	.0497236
c.timew1w3#c.w1BMIcon30	.0000435	.0030404	0.01	0.989	-.0059157	.0060027
timew1w3 invmillsmms	0 .0043419	(omitted) .0228715	0.19	0.849	-.0404854	.0491692
c.timew1w3#c.invmillsmms	-.0034292	.0044011	-0.78	0.436	-.0120552	.0051969
timew1w3 w1HCYcenter2p15	0 .3963366	(omitted) .3205449	1.24	0.216	-.231924	1.024597
c.timew1w3#c.w1HCYcenter2p15	.0014673	.0687958	0.02	0.983	-.1333711	.1363058
_cons	7.883332	.5217974	15.11	0.000	6.860532	8.906132

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity sd(_cons)	1.913042	.0811858	1.760358	2.07897
sd(Residual)	1.819461	.0539803	1.716679	1.928397

622 .  
 623 .  
 624 .  
 625 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon30  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4dobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,555

Group variable: HNDID

Number of groups	=	818
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI = 0.0284  
 Largest FMI = 0.2212

DF adjustment: Large sample

DF:	min	=	95.18
	avg	=	442,534.93
	max	=	2334438.03

Model F test: Equal FMI

F( 25, 87617.4)	=	17.68
Prob > F	=	0.0000

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.6648205	.1759059	3.78	0.000	.3200509 1.00959
w1Agecent48	.1213829	.0200062	6.07	0.000	.0821712 .1605945
c.timew1w3#c.w1Agecent48	.0106505	.0041371	2.57	0.010	.0025418 .0187592
timew1w3	0 (omitted)				
Sex Men	-1.554786	.3836286	-4.05	0.000	-2.306686 -.8028873
Sex#c.timew1w3 Men	.0581294	.0782394	0.74	0.458	-.0952172 .211476
timew1w3	0 (omitted)				
Race AfrAm	0 (omitted)				
Race#c.timew1w3 AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat Below	.0766532	.3698818	0.21	0.836	-.648311 .8016174
PovStat#c.timew1w3 Below	.0839425	.0748965	1.12	0.262	-.0628531 .2307381
timew1w3	0 (omitted)				
w1edubr 2	-.8111362	.8562888	-0.95	0.344	-2.489472 .8672001
3	-1.716374	.8981912	-1.91	0.056	-3.476804 .0440563
w1edubr#c.timew1w3 2	-.2973765	.1688405	-1.76	0.078	-.6282986 .0335456
3	-.2556603	.1787193	-1.43	0.153	-.6059483 .0946278
timew1w3	0 (omitted)				
w1WRATtotalcent42	-.1200169	.0251837	-4.77	0.000	-.1693941 -.0706398
c.timew1w3#c.w1WRATtotalcent42	-.0091928	.0050691	-1.81	0.070	-.0191282 .0007426
timew1w3 1.w1smoke	0 (omitted)				
1.w1smoke	.2954613	.3938553	0.75	0.453	-.477726 1.068649
w1smoke#c.timew1w3 1	-.0613316	.0816325	-0.75	0.452	-.2213511 .0986879
timew1w3 1.w1currdrugs	0 (omitted)				
1.w1currdrugs	-.1399802	.4950524	-0.28	0.778	-1.12276 .8427996
w1currdrugs#c.timew1w3 1	.174437	.0969572	1.80	0.072	-.0159433 .3648173
timew1w3 w1hei2010_total_scorecent43	0 (omitted)				
w1hei2010_total_scorecent43	.0179833	.016953	1.06	0.290	-.01541 .0513765
c.timew1w3#c.w1hei2010_total_scorecent43	-.0070709	.0037951	-1.86	0.063	-.014525 .0003832

timew1w3	0	(omitted)					
w1BMIcon30	.0051768	.0247131	0.21	0.834	-.0432648	.0536184	
c.timew1w3#c.w1BMIcon30	-.0035917	.0050104	-0.72	0.473	-.0134122	.0062288	
timew1w3	0	(omitted)					
invmillsmms	.0146327	.0274474	0.53	0.594	-.0391632	.0684286	
c.timew1w3#c.invmillsmms	-.0014014	.0056103	-0.25	0.803	-.0123974	.0095947	
timew1w3	0	(omitted)					
w1HCYcenter2p15	.1382027	.546935	0.25	0.801	-.9337773	1.210183	
c.timew1w3#c.w1HCYcenter2p15	.1467534	.1107197	1.33	0.185	-.0702533	.3637601	
_cons	8.418552	.888659	9.47	0.000	6.67681	10.16029	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.7266531	.0851503	.5775393	.9142663
sd(_cons)	4.370059	.2017461	3.992005	4.783916
corr(timew1w3,_cons)	-.5569808	.036661	-.6246634	-.4809922
sd(Residual)	2.091698	.31891	1.551389	2.820183

626 .  
 627 .  
 628 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon30  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4eobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5	
Number of obs	=	1,419	
Group variable: HNDID	Number of groups	=	806
	Obs per group:		
	min	=	1
	avg	=	1.8
	max	=	2
DF adjustment: Large sample	Average RVI	=	.
	Largest FMI	=	.
	DF: min	=	0.00
	avg	=	.
	max	=	.
Model F test: Equal FMI	F( 25, 87002.7)	=	6.26
	Prob > F	=	0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.036867</b>	<b>.081931</b>	<b>-0.45</b>	<b>0.653</b>	<b>-.1974493</b> <b>.1237154</b>
w1Agecent48	<b>-.0257557</b>	<b>.0089372</b>	<b>-2.88</b>	<b>0.004</b>	<b>-.0432734</b> <b>-.0082381</b>
c.timew1w3#c.w1Agecent48	<b>-.0006558</b>	<b>.0019366</b>	<b>-0.34</b>	<b>0.735</b>	<b>-.0044514</b> <b>.0031398</b>
timew1w3	<b>0</b>	(omitted)			
Sex					
Men	<b>-.1420805</b>	<b>.1706697</b>	<b>-0.83</b>	<b>0.405</b>	<b>-.4765869</b> <b>.1924259</b>
Sex#c.timew1w3					
Men	<b>-.0356965</b>	<b>.0366066</b>	<b>-0.98</b>	<b>0.329</b>	<b>-.1074441</b> <b>.0360511</b>
timew1w3	<b>0</b>	(omitted)			
Race					
AfrAm	<b>0</b>	(omitted)			
Race#c.timew1w3					
AfrAm	<b>0</b>	(omitted)			
timew1w3	<b>0</b>	(omitted)			
PovStat					
Below	<b>-.173828</b>	<b>.1631904</b>	<b>-1.07</b>	<b>0.287</b>	<b>-.4936787</b> <b>.1460228</b>
PovStat#c.timew1w3					
Below	<b>-.0565191</b>	<b>.0344345</b>	<b>-1.64</b>	<b>0.101</b>	<b>-.1240096</b> <b>.0109715</b>
timew1w3	<b>0</b>	(omitted)			
w1edubr					
2	<b>.1942494</b>	<b>.3842221</b>	<b>0.51</b>	<b>0.613</b>	<b>-.5588696</b> <b>.9473684</b>
3	<b>.4112343</b>	<b>.4035781</b>	<b>1.02</b>	<b>0.308</b>	<b>-.3798441</b> <b>1.202313</b>
w1edubr#c.timew1w3					
2	<b>.0591318</b>	<b>.0794624</b>	<b>0.74</b>	<b>0.457</b>	<b>-.0966129</b> <b>.2148764</b>
3	<b>.0556075</b>	<b>.0831531</b>	<b>0.67</b>	<b>0.504</b>	<b>-.1073697</b> <b>.2185847</b>
timew1w3	<b>0</b>	(omitted)			
w1WRATtotalcent42					
timew1w3	<b>0</b>	(omitted)			
w1WRATtotalcent42	<b>.0724558</b>	<b>.0109121</b>	<b>6.64</b>	<b>0.000</b>	<b>.051068</b> <b>.0938436</b>
c.timew1w3#c.w1WRATtotalcent42	<b>.0029528</b>	<b>.0023638</b>	<b>1.25</b>	<b>0.212</b>	<b>-.0016802</b> <b>.0075858</b>
timew1w3	<b>0</b>	(omitted)			
1.w1smoke	<b>-.0696077</b>	<b>.1834459</b>	<b>-0.38</b>	<b>0.705</b>	<b>-.4317465</b> <b>.292531</b>
w1smoke#c.timew1w3					
1	<b>-.0383692</b>	<b>.0380804</b>	<b>-1.01</b>	<b>0.314</b>	<b>-.1130144</b> <b>.0362759</b>
timew1w3	<b>0</b>	(omitted)			
1.w1currdrugs	<b>.3544036</b>	<b>.2000372</b>	<b>1.77</b>	<b>0.077</b>	<b>-.0382832</b> <b>.7470903</b>
w1currdrugs#c.timew1w3					
1	<b>-.035073</b>	<b>.0429197</b>	<b>-0.82</b>	<b>0.414</b>	<b>-.1191959</b> <b>.04905</b>
timew1w3	<b>0</b>	(omitted)			
w1hei2010_total_scorecent43	<b>-.0023046</b>	<b>.007896</b>	<b>-0.29</b>	<b>0.771</b>	<b>-.0179133</b> <b>.0133041</b>
c.timew1w3#c.w1hei2010_total_scorecent43	<b>-.0011026</b>	<b>.0017255</b>	<b>-0.64</b>	<b>0.523</b>	<b>-.0044859</b> <b>.0022807</b>

timew1w3	0	(omitted)					
w1BMIcon30	<b>-.0208052</b>	<b>.0110729</b>	<b>-1.88</b>	<b>0.060</b>	<b>-.0425082</b>	<b>.0008978</b>	
c.timew1w3#c.w1BMIcon30	<b>-.0033129</b>	<b>.0023323</b>	<b>-1.42</b>	<b>0.155</b>	<b>-.0078844</b>	<b>.0012586</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>-.0021547</b>	<b>.0142279</b>	<b>-0.15</b>	<b>0.880</b>	<b>-.0300408</b>	<b>.0257315</b>	
c.timew1w3#c.invmillsmms	<b>.0032249</b>	<b>.0029705</b>	<b>1.09</b>	<b>0.278</b>	<b>-.0025972</b>	<b>.0090469</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>.0330298</b>	<b>.2508071</b>	<b>0.13</b>	<b>0.895</b>	<b>-.4585452</b>	<b>.5246047</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>-.0096498</b>	<b>.0542046</b>	<b>-0.18</b>	<b>0.859</b>	<b>-.115889</b>	<b>.0965894</b>	
_cons	<b>6.230656</b>	<b>.3995111</b>	<b>15.60</b>	<b>0.000</b>	<b>5.447557</b>	<b>7.013755</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0110448</b>	.	.
sd(_cons)	<b>1.473158</b>	.	.
corr(timew1w3,_cons)	<b>.9999195</b>	.	.
sd(Residual)	<b>1.420058</b>	.	.

629 .

630 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon30 > c.timew1w3##c.w1HCYcenter2p15 //> if sample4fobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,573

Group variable: HNDID

Number of groups	=	821
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

DF adjustment: Large sample

Average RVI	=	0.0455
Largest FMI	=	0.3204
DF: min	=	46.90
avg	=	5131684.35
max	=	1.40e+08

Model F test: Equal FMI

F( 25, 34967.9)	=	4.77
Prob > F	=	0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.2193742</b>	.1564705	-1.40	0.161	-.5260527 .0873042
w1Agecent48	<b>-.060155</b>	.0194784	-3.09	0.002	-.0983322 -.0219779
c.timew1w3#c.w1Agecent48	<b>-.0024948</b>	.0037013	-0.67	0.500	-.0097493 .0047598
timew1w3	0	(omitted)			
Sex					
Men	<b>1.632716</b>	.3746804	4.36	0.000	.8983543 2.367079
Sex#c.timew1w3					
Men	<b>.0321956</b>	.0702237	0.46	0.647	-.1054409 .169832
timew1w3	0	(omitted)			
Race					
AfrAm	0	(omitted)			
Race#c.timew1w3					
AfrAm	0	(omitted)			
timew1w3	0	(omitted)			
PovStat					
Below	<b>-.2377349</b>	.3616362	-0.66	0.511	-.9465728 .4711029
PovStat#c.timew1w3					
Below	<b>.0350196</b>	.0666734	0.53	0.599	-.0956582 .1656975
timew1w3	0	(omitted)			
w1edubr					
2	<b>-.7234909</b>	.8428306	-0.86	0.391	-2.375648 .9286665
3	<b>-.1123454</b>	.8790987	-0.13	0.898	-1.835368 1.610677
w1edubr#c.timew1w3					
2	<b>.2623631</b>	.1506454	1.74	0.082	-.0328986 .5576248
3	<b>.2408215</b>	.1590813	1.51	0.130	-.0709733 .5526163
timew1w3	0	(omitted)			
w1WRATtotalcent42	<b>.1369702</b>	.0240487	5.70	0.000	.0898304 .1841101
c.timew1w3#c.w1WRATtotalcent42	<b>.0007955</b>	.004487	0.18	0.859	-.0079989 .0095898
timew1w3	0	(omitted)			
1.w1smoke	<b>-.3334493</b>	.4297676	-0.78	0.442	-1.198081 .531182
w1smoke#c.timew1w3					
1	<b>.0029651</b>	.0763752	0.04	0.969	-.1472454 .1531755
timew1w3	0	(omitted)			
1.w1currdrugs	<b>.1853515</b>	.489355	0.38	0.706	-.7946673 1.16537
w1currdrugs#c.timew1w3					
1	<b>-.0671653</b>	.0849307	-0.79	0.429	-.2337576 .099427
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	<b>.0117841</b>	.0151622	0.78	0.437	-.0179454 .0415136
c.timew1w3#c.w1hei2010_total_scorecent43	<b>-.0036504</b>	.0033449	-1.09	0.275	-.0102114 .0029105

timew1w3	0	(omitted)					
w1BMIcon30	.0338035	.0242123	1.40	0.163	-.0136667	.0812737	
c.timew1w3#c.w1BMIcon30	.0026391	.0044576	0.59	0.554	-.0060982	.0113764	
timew1w3	0	(omitted)					
invmillsmms	-.0127833	.0359879	-0.36	0.722	-.0833182	.0577516	
c.timew1w3#c.invmillsmms	.0035665	.0072317	0.49	0.622	-.0106074	.0177403	
timew1w3	0	(omitted)					
w1HCYcenter2p15	.4347625	.5320238	0.82	0.414	-.6079853	1.47751	
c.timew1w3#c.w1HCYcenter2p15	-.1469008	.0985062	-1.49	0.136	-.3399702	.0461687	
_cons	18.25123	.8755987	20.84	0.000	16.53489	19.96758	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.5013522	.1452437	.2841489	.8845857
sd(_cons)	4.144895	.2378637	3.703953	4.63833
corr(timew1w3,_cons)	-.3228958	.0861911	-.4803749	-.1452472
sd(Residual)	2.347984	.3433667	1.762852	3.127336

631 .

632 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon30  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4gobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,546

Group variable: HNDID

Number of groups	=	820
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI = .  
 Largest FMI = .

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 25, 10286.1)	=	7.34
Prob > F	=	0.0000

	DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	.0636681	.0594593	1.07	0.284	-.0528725 .1802087
w1Agecent48		-.0081475	.0076885	-1.06	0.289	-.0232171 .0069222
c.timew1w3#c.w1Agecent48		-.0053241	.0014692	-3.62	0.000	-.0082038 -.0024444
	timew1w3	0	(omitted)			
Sex						
Men		.1968906	.1477209	1.33	0.183	-.0926381 .4864192
Sex#c.timew1w3						
Men		-.0625491	.0277455	-2.25	0.024	-.1169293 -.0081689
	timew1w3	0	(omitted)			
Race						
AfrAm		0	(omitted)			
Race#c.timew1w3						
AfrAm		0	(omitted)			
	timew1w3	0	(omitted)			
PovStat						
Below		-.1584026	.1412866	-1.12	0.262	-.4353278 .1185227
PovStat#c.timew1w3						
Below		-.0440274	.0260587	-1.69	0.091	-.0951015 .0070467
	timew1w3	0	(omitted)			
w1edubr						
2		-.0289194	.3320114	-0.09	0.931	-.6798821 .6220432
3		-.0475604	.3505706	-0.14	0.892	-.7350899 .6399692
w1edubr#c.timew1w3						
2		-.0350494	.0569935	-0.61	0.539	-.1467566 .0766579
3		-.0298913	.0603321	-0.50	0.620	-.1481405 .0883579
	timew1w3	0	(omitted)			
w1WRATtotalcent42		.0940652	.0096346	9.76	0.000	.0751607 .1129697
c.timew1w3#c.w1WRATtotalcent42		-.0001577	.0017487	-0.09	0.928	-.0035852 .0032698
	timew1w3	0	(omitted)			
1.w1smoke		.0043119	.1576963	0.03	0.978	-.3084321 .3170559
w1smoke#c.timew1w3						
1		-.0002383	.02904	-0.01	0.993	-.0571886 .0567121
	timew1w3	0	(omitted)			
1.w1currdrugs		.478431	.1758307	2.72	0.007	.1317795 .8250825
w1currdrugs#c.timew1w3						
1		-.0132205	.0336657	-0.39	0.695	-.0792812 .0528401
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		.0003106	.0079419	0.04	0.969	-.0162954 .0169167
c.timew1w3#c.w1hei2010_total_scorecent43		.0000925	.0014885	0.06	0.951	-.002883 .0030679

timew1w3	0	(omitted)					
w1BMIcon30	<b>- .0122162</b>	<b>.0094996</b>	<b>-1.29</b>	<b>0.199</b>	<b>- .0308402</b>	<b>.0064077</b>	
c.timew1w3#c.w1BMIcon30	<b>- .0012815</b>	<b>.0017429</b>	<b>-0.74</b>	<b>0.462</b>	<b>- .0046978</b>	<b>.0021348</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>- .0029777</b>	<b>.0122545</b>	<b>-0.24</b>	<b>0.808</b>	<b>- .026996</b>	<b>.0210407</b>	
c.timew1w3#c.invmillsmms	<b>- .000666</b>	<b>.0023827</b>	<b>-0.28</b>	<b>0.780</b>	<b>- .0053361</b>	<b>.0040041</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>- .0315133</b>	<b>.2112513</b>	<b>-0.15</b>	<b>0.881</b>	<b>- .4455595</b>	<b>.3825328</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>- .0251911</b>	<b>.0399149</b>	<b>-0.63</b>	<b>0.528</b>	<b>- .103423</b>	<b>.0530407</b>	
_cons	<b>7.026359</b>	<b>.3425266</b>	<b>20.51</b>	<b>0.000</b>	<b>6.354946</b>	<b>7.697771</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0115688</b>	.	.
sd(_cons)	<b>1.485176</b>	.	.
corr(timew1w3,_cons)	<b>.9999997</b>	.	.
sd(Residual)	<b>1.132323</b>	.	.

633 .

634 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon30  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4hobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,536

Group variable: HNDID

Number of groups	=	819
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI = .  
 Largest FMI = .

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 25, 39567.0)	=	10.89
Prob > F	=	0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0774341</b>	.0625912	-1.24	0.216	-.2001112 .0452429
w1Agecent48	<b>-.018304</b>	.0071113	-2.57	0.010	-.0322424 -.0043655
c.timew1w3#c.w1Agecent48	<b>-.0011525</b>	.0015466	-0.75	0.456	-.0041837 .0018788
timew1w3	0 (omitted)				
Sex Men	<b>.0367395</b>	.1371801	0.27	0.789	-.2321366 .3056156
Sex#c.timew1w3 Men	<b>-.0715898</b>	.0293002	-2.44	0.015	-.1290172 -.0141624
timew1w3	0 (omitted)				
Race AfrAm	0 (omitted)				
Race#c.timew1w3 AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat Below	<b>-.1941903</b>	.1300811	-1.49	0.135	-.4491492 .0607686
PovStat#c.timew1w3 Below	<b>.0057805</b>	.0275164	0.21	0.834	-.0481507 .0597116
timew1w3	0 (omitted)				
w1edubr 2	<b>-.1235631</b>	.3016308	-0.41	0.682	-.7147625 .4676362
3	<b>.0185589</b>	.3170575	0.06	0.953	-.6028754 .6399933
w1edubr#c.timew1w3 2	<b>.0732592</b>	.059899	1.22	0.221	-.0441408 .1906593
3	<b>.0743598</b>	.063602	1.17	0.242	-.050298 .1990176
timew1w3	0 (omitted)				
w1WRATtotalcent42	<b>.1086536</b>	.0087298	12.45	0.000	.0915428 .1257644
c.timew1w3#c.w1WRATtotalcent42	<b>-.0022555</b>	.0018617	-1.21	0.226	-.0059044 .0013934
timew1w3 1.w1smoke	0 (omitted)				
w1smoke#c.timew1w3 1	<b>.0129669</b>	.0312925	0.41	0.679	-.0484921 .0744258
timew1w3 1.w1currdrugs	0 (omitted)				
w1currdrugs#c.timew1w3 1	<b>.0901112</b>	.1807075	0.50	0.620	-.2716759 .4518984
timew1w3 w1hei2010_total_scorecent43	0 (omitted)				
w1hei2010_total_scorecent43	<b>-.0074126</b>	.0060604	-1.22	0.222	-.0193487 .0045236
c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0021346</b>	.0015114	1.41	0.161	-.0008638 .005133

timew1w3	0	(omitted)					
w1BMICent30	<b>- .0016406</b>	<b>.0087563</b>	<b>-0.19</b>	<b>0.851</b>	<b>- .0188048</b>	<b>.0155236</b>	
c.timew1w3#c.w1BMICent30	<b>- .0041705</b>	<b>.0018362</b>	<b>-2.27</b>	<b>0.023</b>	<b>- .0077696</b>	<b>- .0005715</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>.0102538</b>	<b>.011637</b>	<b>0.88</b>	<b>0.378</b>	<b>- .0125543</b>	<b>.0330619</b>	
c.timew1w3#c.invmillsmms	<b>- .0053294</b>	<b>.002437</b>	<b>-2.19</b>	<b>0.029</b>	<b>- .0101057</b>	<b>- .000553</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>- .0965674</b>	<b>.1957545</b>	<b>-0.49</b>	<b>0.622</b>	<b>- .48024</b>	<b>.2871052</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>.0521248</b>	<b>.0421523</b>	<b>1.24</b>	<b>0.216</b>	<b>- .0304922</b>	<b>.1347418</b>	
_cons	<b>5.47341</b>	<b>.3137159</b>	<b>17.45</b>	<b>0.000</b>	<b>4.858533</b>	<b>6.088288</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0082019</b>	.	.
sd(_cons)	<b>1.226782</b>	.	.
corr(timew1w3,_cons)	<b>.9999958</b>	.	.
sd(Residual)	<b>1.197233</b>	.	.

635 .

636 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4iobs==1 & Race==2 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,561
Group variable: HNDID	Number of groups	= 819
	Obs per group:	
	min	= 1
	avg	= 1.9
	max	= 2
DF adjustment: Large sample	Average RVI	= 0.0509
	Largest FMI	= 0.2671
	DF: min	= 66.43
	avg	= 6.56e+07
	max	= 1.65e+09
Model F test: Equal FMI	F( 25, 30140.8)	= 3.39
	Prob > F	= 0.0000

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0410644</b>	.0534927	-0.77	0.443	-.145937 .0638081
w1Agecent48	<b>-.0011733</b>	.0049127	-0.24	0.811	-.0108021 .0084555
c.timew1w3#c.w1Agecent48	<b>-.0014768</b>	.0012704	-1.16	0.245	-.003967 .0010133
timew1w3	0 (omitted)				
Sex					
Men	<b>.1502547</b>	.0942206	1.59	0.111	-.0344143 .3349238
Sex#c.timew1w3					
Men	<b>.0212309</b>	.0239277	0.89	0.375	-.0256665 .0681283
timew1w3	0 (omitted)				
Race					
AfrAm	0 (omitted)				
Race#c.timew1w3					
AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	<b>.0562168</b>	.0906164	0.62	0.535	-.1213886 .2338223
PovStat#c.timew1w3					
Below	<b>.001634</b>	.0226532	0.07	0.942	-.0427654 .0460334
timew1w3	0 (omitted)				
w1edubr					
2	<b>.2221928</b>	.2174361	1.02	0.307	-.2042872 .6486728
3	<b>.3480589</b>	.2281173	1.53	0.127	-.0993306 .7954483
w1edubr#c.timew1w3					
2	<b>.0165744</b>	.0515259	0.32	0.748	-.0844443 .1175917
3	<b>.0463553</b>	.0547798	0.85	0.398	-.0610585 .1537692
timew1w3	0 (omitted)				
w1WRATtotalcent42					
2	<b>.0304514</b>	.006069	5.02	0.000	.0185562 .0423466
3					
c.timew1w3#c.w1WRATtotalcent42	<b>-.0012752</b>	.0015399	-0.83	0.408	-.0042936 .0017433
timew1w3	0 (omitted)				
1.w1smoke	<b>-.0272282</b>	.1092151	-0.25	0.804	-.2452567 .1908004
w1smoke#c.timew1w3					
1	<b>.0181896</b>	.0253846	0.72	0.474	-.0316326 .0680117
timew1w3	0 (omitted)				
1.w1currdrugs	<b>.2606132</b>	.1195221	2.18	0.031	.0246003 .496626
w1currdrugs#c.timew1w3					
1	<b>-.0486886</b>	.0299362	-1.63	0.105	-.1076169 .0102398
timew1w3	0 (omitted)				
w1hei2010_total_scorecent43	<b>-.0005468</b>	.0045825	-0.12	0.905	-.0096375 .0085439
c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0007587</b>	.0011897	0.64	0.524	-.0015882 .0031057

timew1w3	0	(omitted)					
w1BMICent30	<b>-.0052706</b>	<b>.0060663</b>	<b>-0.87</b>	<b>0.385</b>	<b>-.0171606</b>	<b>.0066194</b>	
c.timew1w3#c.w1BMICent30	<b>.0003996</b>	<b>.0015187</b>	<b>0.26</b>	<b>0.792</b>	<b>-.0025771</b>	<b>.0033763</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>.0049952</b>	<b>.0083996</b>	<b>0.59</b>	<b>0.552</b>	<b>-.0114677</b>	<b>.0214581</b>	
c.timew1w3#c.invmillsmms	<b>-.0014467</b>	<b>.0019184</b>	<b>-0.75</b>	<b>0.451</b>	<b>-.0052066</b>	<b>.0023132</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>-.0388434</b>	<b>.1345959</b>	<b>-0.29</b>	<b>0.773</b>	<b>-.3026468</b>	<b>.22496</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>-.059887</b>	<b>.0340067</b>	<b>-1.76</b>	<b>0.078</b>	<b>-.1265391</b>	<b>.006765</b>	
_cons	<b>8.288627</b>	<b>.2260863</b>	<b>36.66</b>	<b>0.000</b>	<b>7.845123</b>	<b>8.732131</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Independent			
sd(timew1w3)	<b>5.05e-06</b>	<b>.002615</b>	<b>0</b>
sd(_cons)	<b>.6501965</b>	<b>.042286</b>	<b>.5723817</b>
sd(Residual)	<b>1.004521</b>	<b>.02659</b>	<b>.9537335</b>
			<b>1.058013</b>

637 .  
638 . mi estimate: mixed LnTrailsAttestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4jobs==1 & Race==2 || HNDID: timew1w3

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,515

Group variable: HNDID

Number of groups	=	809
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI = 0.0333  
Largest FMI = 0.3402

DF adjustment: Large sample

DF:	min	=	41.80
	avg	=	1.29e+07
	max	=	3.36e+08

Model F test: Equal FMI

F( 25, 67267.5)	=	10.12
Prob > F	=	0.0000

LnTrailsAttestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>.0144471</b>	<b>.0150451</b>	<b>0.96</b>	<b>0.337</b>	<b>-.0150409</b>
w1Agecent48	<b>.0130925</b>	<b>.0015905</b>	<b>8.23</b>	<b>0.000</b>	<b>.0099752</b>
c.timew1w3#c.w1Agecent48	<b>.0006621</b>	<b>.0003603</b>	<b>1.84</b>	<b>0.066</b>	<b>-.0000441</b>
timew1w3	0	(omitted)			
Sex					
Men	<b>.1246522</b>	<b>.030501</b>	<b>4.09</b>	<b>0.000</b>	<b>.0648713</b>
					<b>.1844332</b>

	Sex#c.timew1w3						
	Men	<b>- .0057748</b>	<b>.0068325</b>	<b>-0.85</b>	<b>0.398</b>	<b>- .0191663</b>	<b>.0076167</b>
	timew1w3	0 (omitted)					
	Race						
	AfrAm	0 (omitted)					
	Race#c.timew1w3						
	AfrAm	0 (omitted)					
	timew1w3	0 (omitted)					
	PovStat						
	Below	<b>.0825749</b>	<b>.0292068</b>	<b>2.83</b>	<b>0.005</b>	<b>.0253307</b>	<b>.1398192</b>
	PovStat#c.timew1w3						
	Below	<b>.0049737</b>	<b>.0064201</b>	<b>0.77</b>	<b>0.439</b>	<b>- .0076094</b>	<b>.0175568</b>
	timew1w3	0 (omitted)					
	w1edubr						
	2	<b>- .0173564</b>	<b>.071132</b>	<b>-0.24</b>	<b>0.807</b>	<b>- .1568834</b>	<b>.1221706</b>
	3	<b>- .0169792</b>	<b>.0741297</b>	<b>-0.23</b>	<b>0.819</b>	<b>- .1623537</b>	<b>.1283953</b>
	w1edubr#c.timew1w3						
	2	<b>- .0081907</b>	<b>.0145468</b>	<b>-0.56</b>	<b>0.573</b>	<b>- .0367048</b>	<b>.0203235</b>
	3	<b>- .0150337</b>	<b>.0152832</b>	<b>-0.98</b>	<b>0.325</b>	<b>- .0449885</b>	<b>.0149212</b>
	timew1w3	0 (omitted)					
	w1WRATTtotalcent42	<b>- .0065016</b>	<b>.0020096</b>	<b>-3.24</b>	<b>0.001</b>	<b>- .0104405</b>	<b>- .0025627</b>
	c.timew1w3#c.w1WRATTtotalcent42	<b>- .0008272</b>	<b>.0004429</b>	<b>-1.87</b>	<b>0.062</b>	<b>- .0016953</b>	<b>.0000408</b>
	timew1w3	0 (omitted)					
	1.w1smoke	<b>- .0130724</b>	<b>.0330177</b>	<b>-0.40</b>	<b>0.693</b>	<b>- .0782649</b>	<b>.0521202</b>
	w1smoke#c.timew1w3						
	1	<b>.001471</b>	<b>.0072181</b>	<b>0.20</b>	<b>0.839</b>	<b>- .0126899</b>	<b>.0156319</b>
	timew1w3	0 (omitted)					
	1.w1currdrugs	<b>.0819765</b>	<b>.035816</b>	<b>2.29</b>	<b>0.022</b>	<b>.011726</b>	<b>.1522269</b>
	w1currdrugs#c.timew1w3						
	1	<b>- .0096932</b>	<b>.0081933</b>	<b>-1.18</b>	<b>0.237</b>	<b>- .0257637</b>	<b>.0063774</b>
	timew1w3	0 (omitted)					
	w1hei2010_total_scorecent43	<b>.0001548</b>	<b>.0015502</b>	<b>0.10</b>	<b>0.921</b>	<b>- .0029741</b>	<b>.0032836</b>
	c.timew1w3#c.w1hei2010_total_scorecent43	<b>.0001554</b>	<b>.00034</b>	<b>0.46</b>	<b>0.648</b>	<b>- .0005147</b>	<b>.0008254</b>
	timew1w3	0 (omitted)					
	w1BMIcon30	<b>.0038668</b>	<b>.0019398</b>	<b>1.99</b>	<b>0.046</b>	<b>.0000649</b>	<b>.0076687</b>
	c.timew1w3#c.w1BMIcon30	<b>- .0006305</b>	<b>.0004268</b>	<b>-1.48</b>	<b>0.140</b>	<b>- .0014671</b>	<b>.0002061</b>
	timew1w3	0 (omitted)					
	invmillsmms	<b>.0109452</b>	<b>.0026005</b>	<b>4.21</b>	<b>0.000</b>	<b>.0058483</b>	<b>.016042</b>
	c.timew1w3#c.invmillsmms	<b>- .0012011</b>	<b>.000557</b>	<b>-2.16</b>	<b>0.031</b>	<b>- .0022927</b>	<b>- .0001094</b>
	timew1w3	0 (omitted)					

w1HCYcenter2p15	.0834433	.043569	1.92	0.055	-.0019507	.1688374
c.timew1w3#c.w1HCYcenter2p15	-.0036799	.0098243	-0.37	0.708	-.0229352	.0155755
_cons	3.451551	.0729501	47.31	0.000	3.308534	3.594567

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.0111544	.0191505	.0003855	.3227287
sd(_cons)	.2608924	.011509	.2392828	.2844535
sd(Residual)	.275154	.0112751	.2539193	.2981646

639 .  
640 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4kobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,453
Group variable: HNDID	Number of groups = 799
	Obs per group:
	min = 1
	avg = 1.8
	max = 2
	Average RVI = 0.0706
	Largest FMI = 0.3317
DF adjustment: Large sample	DF: min = 43.87
	avg = 2046159.95
	max = 5.53e+07
Model F test: Equal FMI	F( 25,15378.4) = 10.80
	Prob > F = 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0423025	.0238433	1.77	0.076	-.0044332 .0890382
w1Agecent48	.0206473	.0026594	7.76	0.000	.0154346 .02586
c.timew1w3#c.w1Agecent48	.0001875	.0005561	0.34	0.736	-.0009025 .0012775
timew1w3	0 (omitted)				
Sex					
Men	.0323167	.0509572	0.63	0.526	-.0675581 .1321915
Sex#c.timew1w3					
Men	-.0047709	.0105395	-0.45	0.651	-.025428 .0158862
timew1w3	0 (omitted)				
Race					
AfrAm	0 (omitted)				
Race#c.timew1w3					
AfrAm	0 (omitted)				

	timew1w3	0	(omitted)				
PovStat Below		.1523955	.0489053	3.12	0.002	.0565406	.2482503
PovStat#c.timew1w3 Below		.0048988	.0099741	0.49	0.623	-.0146501	.0244478
timew1w3		0	(omitted)				
w1edubr 2		-.0430725	.1168119	-0.37	0.712	-.2720443	.1858994
3		-.1537463	.1217782	-1.26	0.207	-.3924393	.0849467
w1edubr#c.timew1w3 2		-.0510927	.0229237	-2.23	0.026	-.0960234	-.0061621
3		-.0497965	.0240165	-2.07	0.038	-.0968691	-.0027238
timew1w3 w1WRATtotalcent42		0	(omitted)				
c.timew1w3#c.w1WRATtotalcent42		-.023486	.0033778	-6.95	0.000	-.0301065	-.0168656
timew1w3 1.w1smoke		0	(omitted)				
w1smoke#c.timew1w3 1		-.0193005	.0549508	-0.35	0.726	-.1279266	.0893255
timew1w3 1.w1currdrugs		0	(omitted)				
w1currdrugs#c.timew1w3 1		.014119	.0681436	0.21	0.837	-.1227621	.1510001
timew1w3 w1hei2010_total_scorecent43		0	(omitted)				
c.timew1w3#c.w1hei2010_total_scorecent43		.0013442	.0025147	0.53	0.596	-.0037244	.0064127
timew1w3 w1BMIcon30		0	(omitted)				
c.timew1w3#c.w1BMIcon30		.0001117	.0005462	0.20	0.838	-.0009698	.0011931
timew1w3 invmillsmms		0	(omitted)				
c.timew1w3#c.invmillsmms		.0023311	.0032636	0.71	0.475	-.0040666	.0087288
timew1w3 invmillsmms		0	(omitted)				
c.timew1w3#c.invmillsmms		-.0003868	.0006689	-0.58	0.563	-.0016981	.0009246
timew1w3 w1HCYcenter2p15		0	(omitted)				
c.timew1w3#c.w1HCYcenter2p15		.0082361	.0042759	1.93	0.054	-.0001445	.0166167
timew1w3 w1HCYcenter2p15		0	(omitted)				
c.timew1w3#c.w1HCYcenter2p15		.0164827	.0149052	1.11	0.269	-.0127313	.0456966
_cons		4.752492	.1210438	39.26	0.000	4.515226	4.989758

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.0604498	.0289399	.0236531	.1544908
sd(_cons)	.5209649	.0426754	.4436917	.6116959
corr(timew1w3,_cons)	-.4305905	.079045	-.5722145	-.2640281
sd(Residual)	.3574162	.0553064	.2639122	.4840487

```

641 .
642 .
643 . save, replace
      file finaldata_imputed_FINAL.dta saved

644 .
645 .
646 .
647 .
648 . //MODEL 3: FULLY ADJUSTED MODEL: MODEL 2 + HEALTH-RELATED FACTORS///
649 .
650 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,496
Number of groups = 810
Obs per group:
    min = 1
    avg = 1.8
    max = 2
Average RVI =
Largest FMI =
DF: min = 0.00
    avg =
    max =
F( 41,82544.7) = 10.88
Prob > F = 0.0000

```

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.0715981	.0860551	0.83	0.405	-.0970742	.2402704
w1Agecent48	-.0294658	.0082711	-3.56	0.000	-.0456813	-.0132503
c.timew1w3#c.w1Agecent48	-.0012722	.0018296	-0.70	0.487	-.0048588	.0023143
timew1w3	0 (omitted)					
Sex						
Men	-.2468138	.1481918	-1.67	0.096	-.5372914	.0436639
Sex#c.timew1w3						
Men	-.0069361	.032743	-0.21	0.832	-.0711201	.0572479
timew1w3	0 (omitted)					
Race						

	AfrAm	0	(omitted)				
Race#c.timew1w3	AfrAm	0	(omitted)				
	timew1w3	0	(omitted)				
PovStat							
Below							
PovStat#c.timew1w3	Below	<b>- .1355449</b>	<b>.1394696</b>	<b>-0.97</b>	<b>0.331</b>	<b>- .408901</b>	<b>.1378113</b>
	timew1w3	<b>- .0192541</b>	<b>.0304076</b>	<b>-0.63</b>	<b>0.527</b>	<b>- .0788519</b>	<b>.0403438</b>
w1edubr							
2		<b>.5194</b>	<b>.3292513</b>	<b>1.58</b>	<b>0.115</b>	<b>- .1261999</b>	<b>1.165</b>
3		<b>.7457715</b>	<b>.3492047</b>	<b>2.14</b>	<b>0.033</b>	<b>.0607132</b>	<b>1.43083</b>
w1edubr#c.timew1w3							
2		<b>- .0211176</b>	<b>.0722964</b>	<b>-0.29</b>	<b>0.770</b>	<b>- .1628207</b>	<b>.1205854</b>
3		<b>- .0501033</b>	<b>.0757584</b>	<b>-0.66</b>	<b>0.508</b>	<b>- .1986037</b>	<b>.098397</b>
timew1w3		0	(omitted)				
w1WRATtotalcent42		<b>.1376194</b>	<b>.0094559</b>	<b>14.55</b>	<b>0.000</b>	<b>.1190841</b>	<b>.1561548</b>
c.timew1w3#c.w1WRATtotalcent42		<b>- .0052614</b>	<b>.0022476</b>	<b>-2.34</b>	<b>0.019</b>	<b>- .0096671</b>	<b>- .0008558</b>
timew1w3		0	(omitted)				
1.w1smoke		<b>.0464054</b>	<b>.1460228</b>	<b>0.32</b>	<b>0.751</b>	<b>- .2398175</b>	<b>.3326283</b>
w1smoke#c.timew1w3							
1		<b>- .05234</b>	<b>.0332596</b>	<b>-1.57</b>	<b>0.116</b>	<b>- .1175284</b>	<b>.0128483</b>
timew1w3		0	(omitted)				
1.w1currdrugs		<b>- .0707329</b>	<b>.1854322</b>	<b>-0.38</b>	<b>0.704</b>	<b>- .4379355</b>	<b>.2964698</b>
w1currdrugs#c.timew1w3							
1		<b>.0111737</b>	<b>.0401517</b>	<b>0.28</b>	<b>0.781</b>	<b>- .0677317</b>	<b>.0900792</b>
timew1w3		0	(omitted)				
w1hei2010_total_scorecent43		<b>- .0071459</b>	<b>.0075147</b>	<b>-0.95</b>	<b>0.347</b>	<b>- .0223403</b>	<b>.0080485</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0013905</b>	<b>.0017029</b>	<b>0.82</b>	<b>0.417</b>	<b>- .0020034</b>	<b>.0047844</b>
timew1w3		0	(omitted)				
w1BMIcontent30		<b>- .0139649</b>	<b>.0099783</b>	<b>-1.40</b>	<b>0.162</b>	<b>- .0335262</b>	<b>.0055963</b>
c.timew1w3#c.w1BMIcontent30		<b>.0006565</b>	<b>.0021403</b>	<b>0.31</b>	<b>0.759</b>	<b>- .0035384</b>	<b>.0048514</b>
timew1w3		0	(omitted)				
w1SRH							
2		<b>.1312341</b>	<b>.1840233</b>	<b>0.71</b>	<b>0.476</b>	<b>- .2294474</b>	<b>.4919155</b>
3		<b>.1380925</b>	<b>.1958752</b>	<b>0.71</b>	<b>0.481</b>	<b>- .2458246</b>	<b>.5220096</b>
w1SRH#c.timew1w3							
2		<b>.0151292</b>	<b>.0414586</b>	<b>0.36</b>	<b>0.715</b>	<b>- .0661286</b>	<b>.096387</b>
3		<b>- .0214019</b>	<b>.0437632</b>	<b>-0.49</b>	<b>0.625</b>	<b>- .1071763</b>	<b>.0643725</b>
timew1w3		0	(omitted)				
w1CEScent15		<b>- .0117543</b>	<b>.0065393</b>	<b>-1.80</b>	<b>0.072</b>	<b>- .0245714</b>	<b>.0010629</b>

c.timew1w3#c.w1CEScent15	.0004184	.0014928	0.28	0.779	-.0025077	.0033446
timew1w3	0 (omitted)					
w1dxHTN Yes	.1536348	.1501914	1.02	0.306	-.1407618	.4480314
w1dxHTN#c.timew1w3 Yes	-.0253944	.0341533	-0.74	0.457	-.092389	.0416003
timew1w3	0 (omitted)					
w1dxDiabetes preDiabetes Diabetes	.16546	.1942046	0.85	0.395	-.2161669	.5470869
	-.148523	.2211602	-0.67	0.503	-.5849252	.2878793
w1dxDiabetes#c.timew1w3 preDiabetes Diabetes	-.0195436	.0417199	-0.47	0.639	-.1013451	.0622579
	-.0467903	.0494461	-0.95	0.344	-.1439331	.0503525
timew1w3	0 (omitted)					
w1CVhighChol Yes	.1613514	.1776168	0.91	0.364	-.1873641	.5100669
w1CVhighChol#c.timew1w3 Yes	-.0223195	.0403575	-0.55	0.580	-.1014864	.0568474
timew1w3 1.w1cvdbr	0 (omitted)					
	-.0252145	.1949924	-0.13	0.897	-.4102826	.3598537
w1cvdbr#c.timew1w3 1	.0283699	.0437235	0.65	0.517	-.0577717	.1145114
timew1w3 invmillsmms	0 (omitted)					
	-.0071871	.0096858	-0.74	0.458	-.026171	.0117968
c.timew1w3#c.invmillsmms	-.0025607	.0020154	-1.27	0.204	-.0065109	.0013895
timew1w3 w1HCYcenter2p15	0 (omitted)					
	-.20584	.207291	-0.99	0.321	-.612124	.2004441
c.timew1w3#c.w1HCYcenter2p15	.0267881	.0468432	0.57	0.567	-.0650231	.1185993
_cons	26.96029	.390977	68.96	0.000	26.19359	27.72699

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	.0941906	.	.	.	.
sd(_cons)	1.307553	.	.	.	.
corr(timew1w3,_cons)	-.9999999	.	.	.	.
sd(Residual)	1.256967	.	.	.	.

```

651 .
652 .
653 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4aobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 1,496
Number of groups = 810
Obs per group:
    min = 1
    avg = 1.8
    max = 2
    Average RVI =
    Largest FMI =
DF:    min = 0.00
        avg =
        max =
F( 41,99436.9) = 8.93
Prob > F = 0.0000

```

	MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.299672	.6689629	0.45	0.654	-1.011567	1.610911
w1Agecent48	-.2291983	.0592504	-3.87	0.000	-.3453298	-.1130668
c.timew1w3#c.w1Agecent48	-.0101013	.0141154	-0.72	0.474	-.0377688	.0175661
timew1w3	0	(omitted)				
Sex						
Men	-1.104471	1.068352	-1.03	0.301	-3.198452	.9895105
Sex#c.timew1w3						
Men	-.130736	.252502	-0.52	0.605	-.6256598	.3641877
timew1w3	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3						
AfrAm	0	(omitted)				
timew1w3	0	(omitted)				
PovStat						
Below	-1.370486	1.009741	-1.36	0.175	-3.349549	.6085762
PovStat#c.timew1w3						
Below	-.1645171	.2353629	-0.70	0.485	-.62582	.2967858
timew1w3	0	(omitted)				
w1edubr						
2	2.575865	2.357441	1.09	0.275	-2.044992	7.196722
3	4.70366	2.501818	1.88	0.060	-.2016021	9.608921
w1edubr#c.timew1w3						

	2	-.1291127	.5590678	-0.23	0.817	-1.224867	.9666418
	3	-.2385891	.585517	-0.41	0.684	-1.386228	.9090497
	timew1w3	0	(omitted)				
w1WRATtotalcent42		.8463216	.068362	12.38	0.000	.7123244	.9803189
c.timew1w3#c.w1WRATtotalcent42		-.0185408	.0174298	-1.06	0.287	-.0527053	.0156237
	timew1w3	0	(omitted)				
1.w1smoke		-.1524087	1.055739	-0.14	0.885	-2.221648	1.916831
w1smoke#c.timew1w3							
1		-.1892436	.2587689	-0.73	0.465	-.6964627	.3179755
	timew1w3	0	(omitted)				
1.w1currdrugs		-.2404108	1.32903	-0.18	0.857	-2.865976	2.385154
w1currdrugs#c.timew1w3							
1		.0644781	.31175	0.21	0.836	-.5484019	.6773582
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		-.0428751	.0548517	-0.78	0.439	-.1537551	.068005
c.timew1w3#c.w1hei2010_total_scorecent43		.0127202	.0134218	0.95	0.347	-.0141409	.0395813
	timew1w3	0	(omitted)				
w1BMIconcent30		-.1091561	.0716113	-1.52	0.127	-.2495147	.0312025
c.timew1w3#c.w1BMIconcent30							
	timew1w3	0	(omitted)				
w1SRH							
2		.4299964	1.332283	0.32	0.747	-2.181241	3.041234
3		1.556272	1.420721	1.10	0.273	-1.228401	4.340944
w1SRH#c.timew1w3							
2		.0936458	.321283	0.29	0.771	-.5360609	.7233525
3		-.2548307	.3392749	-0.75	0.453	-.919801	.4101395
	timew1w3	0	(omitted)				
w1CEScent15		-.0730716	.047258	-1.55	0.122	-.1656969	.0195537
c.timew1w3#c.w1CEScent15		.0013758	.0115535	0.12	0.905	-.02127	.0240216
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		1.055896	1.093486	0.97	0.334	-1.087625	3.199416
w1dxHTN#c.timew1w3							
Yes		-.1547966	.2635326	-0.59	0.557	-.6716198	.3620267
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		1.660122	1.390304	1.19	0.233	-1.06864	4.388883
Diabetes		-.2294706	1.558441	-0.15	0.883	-3.292429	2.833488
w1dxDiabetes#c.timew1w3							
preDiabetes		-.0988583	.3191755	-0.31	0.757	-.7244615	.5267449
Diabetes		-.2802571	.3772655	-0.74	0.458	-1.020454	.4599398

	timew1w3	0 (omitted)					
w1CVhighChol							
Yes	.3131865	1.268653	0.25	0.805	-2.174659	2.801032	
w1CVhighChol#c.timew1w3							
Yes	-.0384248	.3189885	-0.12	0.904	-.6652729	.5884234	
timew1w3		0 (omitted)					
1.w1cvdbr	-.3445773	1.422117	-0.24	0.809	-3.154495	2.46534	
w1cvdbr#c.timew1w3							
1	.1196732	.344131	0.35	0.728	-.5600089	.7993554	
timew1w3		0 (omitted)					
invmillsmms	-.0483008	.0701461	-0.69	0.491	-.1857847	.0891831	
c.timew1w3#c.invmillsmms							
	-.0212101	.0155734	-1.36	0.173	-.0517335	.0093133	
timew1w3		0 (omitted)					
w1HCYcenter2p15	-.9578523	1.503257	-0.64	0.524	-3.904218	1.988513	
c.timew1w3#c.w1HCYcenter2p15							
	.2847955	.3635912	0.78	0.433	-.4278346	.9974256	
_cons	71.3087	2.82436	25.25	0.000	65.77083	76.84658	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.4571023	.	.
sd(_cons)	8.625496	.	.
corr(timew1w3,_cons)	-1	.	.
sd(Residual)	9.904189	.	.

654 .  
 655 .  
 656 .  
 657 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4bobs==1 & Race==2 || HNDID: timew1w3

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,424
Group variable: HNDID	Number of groups = 805
	Obs per group:
	min = 1
	avg = 1.8
	max = 2
DF adjustment: Large sample	Average RVI = 0.0500
	Largest FMI = 0.3100
	DF: min = 49.98
	avg = 784,065.80
	max = 2.42e+07
Model F test: Equal FMI	F( 41, 59388.6) = 21.34
	Prob > F = 0.0000

	cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-.9878817</b>	.251737	-3.92	<b>0.000</b>	<b>-1.481606</b> <b>-.4941575</b>
w1Agecent48		<b>-.1374247</b>	.0257497	-5.34	<b>0.000</b>	<b>-.1878948</b> <b>-.0869546</b>
c.timew1w3#c.w1Agecent48		<b>-.0060669</b>	.0056443	-1.07	<b>0.282</b>	<b>-.0171298</b> <b>.0049961</b>
	timew1w3	0	(omitted)			
Sex						
Men		<b>-2.03722</b>	.4651152	-4.38	<b>0.000</b>	<b>-2.948829</b> <b>-1.12561</b>
Sex#c.timew1w3						
Men		<b>-.2615013</b>	.1009064	-2.59	<b>0.010</b>	<b>-.4592744</b> <b>-.0637281</b>
	timew1w3	0	(omitted)			
Race						
AfrAm		0	(omitted)			
Race#c.timew1w3						
AfrAm		0	(omitted)			
	timew1w3	0	(omitted)			
PovStat						
Below		<b>-.1300985</b>	.4412907	-0.29	<b>0.768</b>	<b>-.9950224</b> <b>.7348255</b>
PovStat#c.timew1w3						
Below		<b>-.0520558</b>	.0934882	-0.56	<b>0.578</b>	<b>-.2352898</b> <b>.1311783</b>
	timew1w3	0	(omitted)			
w1edubr						
2		<b>-1.30153</b>	1.050586	-1.24	<b>0.216</b>	<b>-3.367723</b> <b>.7646626</b>
3		<b>.0580674</b>	1.104725	0.05	<b>0.958</b>	<b>-2.113035</b> <b>2.22917</b>
w1edubr#c.timew1w3						
2		<b>.1545796</b>	.2048871	0.75	<b>0.451</b>	<b>-.2471851</b> <b>.5563443</b>
3		<b>.0441534</b>	.2183798	0.20	<b>0.840</b>	<b>-.3840083</b> <b>.4723152</b>
	timew1w3	0	(omitted)			
w1WRATtotalcent42		<b>.1943328</b>	.0294252	6.60	<b>0.000</b>	<b>.1366512</b> <b>.2520143</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0060353</b>	.0062799	-0.96	<b>0.337</b>	<b>-.0183446</b> <b>.006274</b>
	timew1w3	0	(omitted)			
1.w1smoke		<b>-.4219959</b>	.5294941	-0.80	<b>0.429</b>	<b>-1.485525</b> <b>.6415334</b>
w1smoke#c.timew1w3						
1		<b>.0176108</b>	.1052395	0.17	<b>0.867</b>	<b>-.1889821</b> <b>.2242037</b>
	timew1w3	0	(omitted)			
1.w1currdrugs		<b>.3195163</b>	.5698404	0.56	<b>0.576</b>	<b>-.8088778</b> <b>1.44791</b>
w1currdrugs#c.timew1w3						
1		<b>.1812797</b>	.1219861	1.49	<b>0.138</b>	<b>-.0588378</b> <b>.4213971</b>
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		<b>.0156245</b>	.0211645	0.74	<b>0.462</b>	<b>-.0262898</b> <b>.0575387</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0038893</b>	.0047586	-0.82	<b>0.414</b>	<b>-.0132355</b> <b>.0054569</b>

	timew1w3	0	(omitted)				
w1BMIcon30		.0111826	.03093	0.36	0.718	-.0494435	.0718088
c.timew1w3#c.w1BMIcon30		.0005721	.0064842	0.09	0.930	-.0121368	.0132811
	timew1w3	0	(omitted)				
w1SRH							
2		.557067	.5846377	0.95	0.341	-.589068	1.703202
3		.4322842	.6209144	0.70	0.486	-.7849609	1.649529
w1SRH#c.timew1w3							
2		-.1585676	.1263712	-1.25	0.210	-.4062813	.0891462
3		-.2425741	.1337797	-1.81	0.070	-.5048172	.019669
	timew1w3	0	(omitted)				
w1CEScent15		-.0858079	.0201547	-4.26	0.000	-.1253104	-.0463053
c.timew1w3#c.w1CEScent15		-.0088793	.0044495	-2.00	0.046	-.0176006	-.000158
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		-.2950838	.4685893	-0.63	0.529	-1.213664	.6234962
w1dxHTN#c.timew1w3							
Yes		-.0888672	.1021782	-0.87	0.384	-.2891382	.1114038
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		-.6142914	.5818996	-1.06	0.291	-1.754814	.5262306
Diabetes		-.0001065	.6721457	-0.00	1.000	-1.318399	1.318186
w1dxDiabetes#c.timew1w3							
preDiabetes		.1210392	.1286165	0.94	0.347	-.131095	.3731734
Diabetes		-.1501459	.1507257	-1.00	0.319	-.4458466	.1455547
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		-.4491044	.5850377	-0.77	0.444	-1.604863	.7066538
w1CVhighChol#c.timew1w3							
Yes		.1937867	.1222734	1.58	0.113	-.0458814	.4334548
	timew1w3	0	(omitted)				
1.w1cvdbr		.3098094	.5653001	0.55	0.584	-.798843	1.418462
w1cvdbr#c.timew1w3							
1		-.0492762	.1269079	-0.39	0.698	-.2982104	.1996581
	timew1w3	0	(omitted)				
invmillsmms		.0207311	.0425838	0.49	0.626	-.0627319	.1041941
c.timew1w3#c.invmillsmms		-.0127882	.0086069	-1.49	0.137	-.0296574	.004081
	timew1w3	0	(omitted)				
w1HCYcenter2p15		1.556825	.6496185	2.40	0.017	.2835915	2.830058
c.timew1w3#c.w1HCYcenter2p15		-.0546714	.139765	-0.39	0.696	-.3286059	.2192632

_cons	25.28538	1.26005	20.07	0.000	22.80679	27.76398
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.3196897	.1374679	.1376068	.7427066
sd(_cons)	4.044494	.1628237	3.737631	4.376551
sd(Residual)	3.59277	.1712857	3.272221	3.94472

658 .  
 659 .  
 660 .  
 661 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4cobs==1 & Race==2 || HNDID:

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,357
Group variable: HNDID		
Number of groups	=	792
Obs per group:		
min	=	1
avg	=	1.7
max	=	2
Average RVI	=	0.0482
Largest FMI	=	0.2810
DF: min	=	60.29
avg	=	449,266.78
max	=	7704429.02
Model F test: Equal FMI	F( 41,65121.9)	= 12.14
	Prob > F	= 0.0000

DF adjustment: Large sample

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	-.4656543	.1216697	-3.83	0.000	-.7041241	-.2271846
w1Agecent48	-.0836863	.0126648	-6.61	0.000	-.1085095	-.0588632
c.timew1w3#c.w1Agecent48	-.0028033	.0028363	-0.99	0.323	-.0083626	.0027559
timew1w3	0 (omitted)					
Sex						
Men	-.7481528	.2288889	-3.27	0.001	-1.196771	-.2995349
Sex#c.timew1w3						
Men	-.0642895	.0499417	-1.29	0.198	-.1621736	.0335946
timew1w3	0 (omitted)					
Race						
AfrAm	0 (omitted)					
Race#c.timew1w3						
AfrAm	0 (omitted)					
timew1w3	0 (omitted)					

PovStat Below	<b>- .0257261</b>	.2170396	<b>-0.12</b>	<b>0.906</b>	<b>-.4511225</b>	<b>.3996703</b>
PovStat#c.timew1w3 Below	<b>-.0274062</b>	<b>.0464859</b>	<b>-0.59</b>	<b>0.555</b>	<b>-.1185177</b>	<b>.0637053</b>
timew1w3	<b>0</b>	(omitted)				
w1edubr 2	<b>-.9047466</b>	<b>.4989283</b>	<b>-1.81</b>	<b>0.070</b>	<b>-1.882825</b>	<b>.0733323</b>
3	<b>-.6403314</b>	<b>.5254789</b>	<b>-1.22</b>	<b>0.223</b>	<b>-1.670338</b>	<b>.3896753</b>
w1edubr#c.timew1w3 2	<b>.0591109</b>	<b>.0996174</b>	<b>0.59</b>	<b>0.553</b>	<b>-.1361387</b>	<b>.2543606</b>
3	<b>.1164765</b>	<b>.1062048</b>	<b>1.10</b>	<b>0.273</b>	<b>-.0916826</b>	<b>.3246356</b>
timew1w3 w1WRATtotalcent42	<b>0</b>	(omitted)				
c.timew1w3#c.w1WRATtotalcent42	<b>.083997</b>	<b>.0144246</b>	<b>5.82</b>	<b>0.000</b>	<b>.0557248</b>	<b>.1122692</b>
timew1w3 1.w1smoke	<b>0</b>	(omitted)				
	<b>-.1251029</b>	<b>.2534204</b>	<b>-0.49</b>	<b>0.623</b>	<b>-.6302241</b>	<b>.3800182</b>
w1smoke#c.timew1w3 1	<b>.0141065</b>	<b>.0546323</b>	<b>0.26</b>	<b>0.797</b>	<b>-.0936595</b>	<b>.1218724</b>
timew1w3 1.w1currdrugs	<b>0</b>	(omitted)				
	<b>-.1277374</b>	<b>.2687629</b>	<b>-0.48</b>	<b>0.635</b>	<b>-.6556612</b>	<b>.4001864</b>
w1currdrugs#c.timew1w3 1	<b>.0350238</b>	<b>.0601184</b>	<b>0.58</b>	<b>0.560</b>	<b>-.0831442</b>	<b>.1531917</b>
timew1w3 w1hei2010_total_scorecent43	<b>0</b>	(omitted)				
	<b>.0011186</b>	<b>.0107916</b>	<b>0.10</b>	<b>0.918</b>	<b>-.0203809</b>	<b>.0226181</b>
c.timew1w3#c.w1hei2010_total_scorecent43	<b>-.0001226</b>	<b>.0026013</b>	<b>-0.05</b>	<b>0.963</b>	<b>-.0053256</b>	<b>.0050803</b>
timew1w3 w1BMIcon30	<b>0</b>	(omitted)				
	<b>.0354451</b>	<b>.0152742</b>	<b>2.32</b>	<b>0.020</b>	<b>.0055053</b>	<b>.0653848</b>
c.timew1w3#c.w1BMIcon30	<b>-.0013848</b>	<b>.0032236</b>	<b>-0.43</b>	<b>0.668</b>	<b>-.007703</b>	<b>.0049334</b>
timew1w3	<b>0</b>	(omitted)				
w1SRH 2	<b>-.0034701</b>	<b>.2866392</b>	<b>-0.01</b>	<b>0.990</b>	<b>-.5653106</b>	<b>.5583703</b>
3	<b>-.1455901</b>	<b>.306107</b>	<b>-0.48</b>	<b>0.634</b>	<b>-.7456251</b>	<b>.4544449</b>
w1SRH#c.timew1w3 2	<b>.0159968</b>	<b>.0626523</b>	<b>0.26</b>	<b>0.798</b>	<b>-.1068001</b>	<b>.1387938</b>
3	<b>.0076516</b>	<b>.0662367</b>	<b>0.12</b>	<b>0.908</b>	<b>-.1221703</b>	<b>.1374735</b>
timew1w3 w1CEScent15	<b>0</b>	(omitted)				
	<b>-.0394609</b>	<b>.010078</b>	<b>-3.92</b>	<b>0.000</b>	<b>-.0592144</b>	<b>-.0197074</b>
c.timew1w3#c.w1CEScent15	<b>-.0008088</b>	<b>.0022112</b>	<b>-0.37</b>	<b>0.715</b>	<b>-.0051428</b>	<b>.0035253</b>
timew1w3	<b>0</b>	(omitted)				
w1dxHTN Yes	<b>-.2791412</b>	<b>.2290142</b>	<b>-1.22</b>	<b>0.223</b>	<b>-.7280544</b>	<b>.169772</b>

w1dxHTN#c.timew1w3 Yes		.0368685	.0505712	0.73	0.466	-.0622514	.1359884
	timew1w3	0	(omitted)				
w1dxDiabetes preDiabetes Diabetes		-.2742753	.2872532	-0.95	0.340	-.8375515	.2890008
		-.421796	.3305331	-1.28	0.202	-1.069976	.2263844
w1dxDiabetes#c.timew1w3 preDiabetes Diabetes		.0620318	.0628436	0.99	0.324	-.0611432	.1852067
		.0259243	.0749835	0.35	0.730	-.1211666	.1730151
	timew1w3	0	(omitted)				
w1CVhighChol Yes		.0245557	.2771204	0.09	0.929	-.5198479	.5689593
w1CVhighChol#c.timew1w3 Yes		.0157343	.0620752	0.25	0.800	-.1060184	.137487
	timew1w3 1.w1cvdbr	0	(omitted)				
		.2967782	.2835116	1.05	0.295	-.2594841	.8530406
w1cvdbr#c.timew1w3 1		-.0200342	.0652781	-0.31	0.759	-.1482081	.1081396
	timew1w3 invmillsmms	0	(omitted)				
		.0000659	.0228094	0.00	0.998	-.0446398	.0447716
c.timew1w3#c.invmillsmms		-.0032489	.0044182	-0.74	0.462	-.0119085	.0054107
	timew1w3 w1HCYcenter2p15	0	(omitted)				
		.5149459	.3204751	1.61	0.108	-.1131831	1.143075
c.timew1w3#c.w1HCYcenter2p15		-.0065954	.069584	-0.09	0.924	-.1429793	.1297884
	_cons	8.139136	.5984783	13.60	0.000	6.965808	9.312464

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity sd(_cons)	1.86599	.0808336	1.714096	2.031343
sd(Residual)	1.813716	.0537842	1.711306	1.922255

```

663 .
664 .
665 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4dobs==1 & Race==2 || HNDID: timew1w3, cov(un)

```

Multiple-imputation estimates    Imputations = 5  
 Mixed-effects ML regression    Number of obs = 1,555

Group variable: HNDID    Number of groups = 818  
 Obs per group:  
     min = 1  
     avg = 1.9  
     max = 2  
     Average RVI = 0.0378  
     Largest FMI = 0.2149

DF adjustment: Large sample    DF: min = 100.56  
     avg = 313,701.28  
     max = 5560947.35

Model F test: Equal FMI    F( 41, 98238.1) = 12.04  
 Prob > F = 0.0000

	BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.845568	.2036291	4.15	0.000	.4464592	1.244677
w1Agecent48	.1111969	.0216838	5.13	0.000	.0686968	.1536971
c.timew1w3##c.w1Agecent48	.0104381	.0044679	2.34	0.019	.0016811	.0191951
timew1w3	0	(omitted)				
Sex						
Men	-1.362558	.3899395	-3.49	0.000	-2.126846	-.5982693
Sex##c.timew1w3						
Men	.0588828	.0797845	0.74	0.461	-.0974934	.215259
timew1w3	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race##c.timew1w3						
AfrAm	0	(omitted)				
timew1w3	0	(omitted)				
PovStat						
Below	-.1413764	.3714629	-0.38	0.704	-.8694316	.5866788
PovStat##c.timew1w3						
Below	.0843901	.0753416	1.12	0.263	-.0632768	.2320569
timew1w3	0	(omitted)				
w1edubr						
2	-.6047412	.8501437	-0.71	0.477	-2.271001	1.061519
3	-1.411795	.8956268	-1.58	0.115	-3.167197	.3436069
w1edubr##c.timew1w3						

		2	-.3155954	.1685164	-1.87	0.061	-.6458837	.0146929
		3	-.273612	.178762	-1.53	0.126	-.6239867	.0767627
	timew1w3		0	(omitted)				
	w1WRATtotalcent42		-.1112704	.0252693	-4.40	0.000	-.1608203	-.0617205
c.timew1w3#c.w1WRATtotalcent42			-.0076047	.0050887	-1.49	0.135	-.0175784	.002369
	timew1w3		0	(omitted)				
	1.w1smoke		.1060269	.3997227	0.27	0.791	-.6792646	.8913183
	w1smoke#c.timew1w3							
	1		-.0661217	.0821635	-0.80	0.421	-.2271788	.0949353
	timew1w3		0	(omitted)				
	1.w1currdrugs		-.3057728	.49612	-0.62	0.539	-1.289994	.6784483
	w1currdrugs#c.timew1w3							
	1		.1438746	.1003564	1.43	0.153	-.0537267	.341476
	timew1w3		0	(omitted)				
w1hei2010_total_scorecent43			.0214875	.017026	1.26	0.208	-.0120509	.0550258
c.timew1w3#c.w1hei2010_total_scorecent43			-.0074658	.0038737	-1.93	0.055	-.0150889	.0001573
	timew1w3		0	(omitted)				
	w1BMIcon30		-.0167228	.0262368	-0.64	0.524	-.0681488	.0347032
c.timew1w3#c.w1BMIcon30			-.004614	.0053353	-0.86	0.387	-.0150711	.0058431
	timew1w3		0	(omitted)				
	w1SRH							
	2		-.3795452	.4884609	-0.78	0.437	-1.336914	.577824
	3		-.2758298	.5207726	-0.53	0.596	-1.296535	.7448753
	w1SRH#c.timew1w3							
	2		-.1778256	.1005731	-1.77	0.077	-.3749459	.0192946
	3		-.1325254	.1070827	-1.24	0.216	-.3424069	.0773562
	timew1w3		0	(omitted)				
	w1CEScent15							
	.0538922		.0178133					
	c.timew1w3#c.w1CEScent15		.0008097	.0036762	0.22	0.826	-.0063965	.0080159
	timew1w3		0	(omitted)				
	w1dxHTN							
	Yes		.5594099	.4154405	1.35	0.179	-.2589966	1.377816
	w1dxHTN#c.timew1w3							
	Yes		-.0145816	.0829519	-0.18	0.860	-.1771836	.1480204
	timew1w3		0	(omitted)				
	w1dxDiabetes							
	preDiabetes							
	Diabetes		.3392183	.5007395	0.68	0.498	-.6436884	1.322125
			.4150569	.5845781	0.71	0.479	-.7396158	1.56973
	w1dxDiabetes#c.timew1w3							
	preDiabetes							
	Diabetes		-.0834652	.1016928	-0.82	0.412	-.2827848	.1158544
			.0649251	.1155984	0.56	0.574	-.1616625	.2915128

	timew1w3	0 (omitted)					
w1CVhighChol							
Yes	-.0516376	.4798025	-0.11	0.914	-.996293	.8930178	
w1CVhighChol#c.timew1w3							
Yes	.0805304	.1000457	0.80	0.421	-.1158438	.2769045	
timew1w3		0 (omitted)					
1.w1cvdbr	.2155667	.5053489	0.43	0.670	-.7802081	1.211341	
w1cvdbr#c.timew1w3							
1	-.1962355	.1011969	-1.94	0.053	-.3946237	.0021528	
timew1w3		0 (omitted)					
invmillsmms	.0182474	.0273086	0.67	0.504	-.0352766	.0717714	
c.timew1w3#c.invmillsmms							
	-.0012687	.0056088	-0.23	0.821	-.0122623	.0097249	
timew1w3		0 (omitted)					
w1HCYcenter2p15	-.0561666	.5478973	-0.10	0.918	-1.130046	1.017713	
c.timew1w3#c.w1HCYcenter2p15							
	.1566713	.1111679	1.41	0.159	-.0612146	.3745572	
_cons	8.276166	1.015559	8.15	0.000	6.285667	10.26667	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.7157043	.0861926	.5652122 .9062661
sd(_cons)	4.314316	.203467	3.93337 4.732155
corr(timew1w3,_cons)	-.5732336	.0360363	-.6396157 -.4983649
sd(Residual)	2.095978	.3195503	1.554509 2.826052

666 .  
 667 .  
 668 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4eobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 1,419
Group variable: <b>HNDID</b>	
	Number of groups = 806
	Obs per group:
	min = 1
	avg = 1.8
	max = 2
	Average RVI = .
	Largest FMI = .
DF adjustment: Large sample	DF: min = 0.00
	avg = .
	max = .
Model F test: Equal FMI	F( 41, 67436.1) = 4.62
	Prob > F = 0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0328032</b>	<b>.0945664</b>	<b>-0.35</b>	<b>0.729</b>	<b>-.2181499</b> <b>.1525435</b>
w1Agecent48	<b>-.0291686</b>	<b>.0098413</b>	<b>-2.96</b>	<b>0.003</b>	<b>-.0484637</b> <b>-.0098734</b>
c.timew1w3#c.w1Agecent48	<b>.0003313</b>	<b>.002121</b>	<b>0.16</b>	<b>0.876</b>	<b>-.0038259</b> <b>.0044884</b>
timew1w3	<b>0</b>	(omitted)			
Sex					
Men	<b>-.1723329</b>	<b>.1734526</b>	<b>-0.99</b>	<b>0.320</b>	<b>-.5122942</b> <b>.1676284</b>
Sex#c.timew1w3					
Men	<b>-.0364842</b>	<b>.0373642</b>	<b>-0.98</b>	<b>0.329</b>	<b>-.1097173</b> <b>.0367489</b>
timew1w3	<b>0</b>	(omitted)			
Race					
AfrAm	<b>0</b>	(omitted)			
Race#c.timew1w3					
AfrAm	<b>0</b>	(omitted)			
timew1w3	<b>0</b>	(omitted)			
PovStat					
Below	<b>-.0870705</b>	<b>.1647962</b>	<b>-0.53</b>	<b>0.597</b>	<b>-.410069</b> <b>.235928</b>
PovStat#c.timew1w3					
Below	<b>-.0652472</b>	<b>.0347824</b>	<b>-1.88</b>	<b>0.061</b>	<b>-.1334197</b> <b>.0029253</b>
timew1w3	<b>0</b>	(omitted)			
w1edubr					
2	<b>.1349091</b>	<b>.3846374</b>	<b>0.35</b>	<b>0.726</b>	<b>-.6190686</b> <b>.8888868</b>
3	<b>.3343933</b>	<b>.4041645</b>	<b>0.83</b>	<b>0.408</b>	<b>-.4578639</b> <b>1.12665</b>
w1edubr#c.timew1w3					
2	<b>.0706905</b>	<b>.0794073</b>	<b>0.89</b>	<b>0.373</b>	<b>-.0849469</b> <b>.2263278</b>
3	<b>.0595149</b>	<b>.0831159</b>	<b>0.72</b>	<b>0.474</b>	<b>-.1033894</b> <b>.2224193</b>
timew1w3	<b>0</b>	(omitted)			
w1WRATtotalcent42	<b>.069486</b>	<b>.0109424</b>	<b>6.35</b>	<b>0.000</b>	<b>.0480383</b> <b>.0909336</b>
c.timew1w3#c.w1WRATtotalcent42	<b>.0027537</b>	<b>.0023711</b>	<b>1.16</b>	<b>0.245</b>	<b>-.0018935</b> <b>.0074009</b>
timew1w3	<b>0</b>	(omitted)			
1.w1smoke	<b>.000343</b>	<b>.1846899</b>	<b>0.00</b>	<b>0.999</b>	<b>-.3644261</b> <b>.3651121</b>
w1smoke#c.timew1w3					
1	<b>-.0414066</b>	<b>.0383265</b>	<b>-1.08</b>	<b>0.280</b>	<b>-.1165343</b> <b>.0337211</b>
timew1w3	<b>0</b>	(omitted)			
1.w1currdrugs	<b>.4499542</b>	<b>.2027072</b>	<b>2.22</b>	<b>0.027</b>	<b>.051788</b> <b>.8481203</b>
w1currdrugs#c.timew1w3					
1	<b>-.0390321</b>	<b>.0435952</b>	<b>-0.90</b>	<b>0.371</b>	<b>-.1244871</b> <b>.0464229</b>
timew1w3	<b>0</b>	(omitted)			
w1hei2010_total_scorecent43	<b>-.003802</b>	<b>.0077119</b>	<b>-0.49</b>	<b>0.622</b>	<b>-.0189875</b> <b>.0113835</b>
c.timew1w3#c.w1hei2010_total_scorecent43	<b>-.0006472</b>	<b>.0017377</b>	<b>-0.37</b>	<b>0.710</b>	<b>-.0040555</b> <b>.0027611</b>

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .0169289</b>	<b>.0118562</b>	<b>-1.43</b>	<b>0.153</b>	<b>-.0401721</b>	<b>.0063143</b>
c.timew1w3#c.w1BMIcon30		<b>- .0021229</b>	<b>.0024732</b>	<b>-0.86</b>	<b>0.391</b>	<b>-.0069705</b>	<b>.0027248</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>.4399899</b>	<b>.2174625</b>	<b>2.02</b>	<b>0.043</b>	<b>.0137573</b>	<b>.8662225</b>
3		<b>.2004443</b>	<b>.2316332</b>	<b>0.87</b>	<b>0.387</b>	<b>-.2535766</b>	<b>.6544653</b>
w1SRH#c.timew1w3							
2		<b>-.0363465</b>	<b>.0470386</b>	<b>-0.77</b>	<b>0.440</b>	<b>-.1285418</b>	<b>.0558488</b>
3		<b>.0400447</b>	<b>.0495939</b>	<b>0.81</b>	<b>0.419</b>	<b>-.0571603</b>	<b>.1372497</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>-.0178032</b>	<b>.0077202</b>	<b>-2.31</b>	<b>0.021</b>	<b>-.0329368</b>	<b>-.0026695</b>
c.timew1w3#c.w1CEScent15		<b>.0010949</b>	<b>.0016574</b>	<b>0.66</b>	<b>0.509</b>	<b>-.0021538</b>	<b>.0043435</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>-.0051682</b>	<b>.1837445</b>	<b>-0.03</b>	<b>0.978</b>	<b>-.3662189</b>	<b>.3558826</b>
w1dxHTN#c.timew1w3							
Yes		<b>-.053271</b>	<b>.0388378</b>	<b>-1.37</b>	<b>0.170</b>	<b>-.1294002</b>	<b>.0228581</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>-.1158135</b>	<b>.2257229</b>	<b>-0.51</b>	<b>0.608</b>	<b>-.5592271</b>	<b>.3276002</b>
Diabetes		<b>-.214667</b>	<b>.2517938</b>	<b>-0.85</b>	<b>0.394</b>	<b>-.7090523</b>	<b>.2797184</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0817792</b>	<b>.0474111</b>	<b>1.72</b>	<b>0.085</b>	<b>-.0111522</b>	<b>.1747106</b>
Diabetes		<b>-.0397134</b>	<b>.0532881</b>	<b>-0.75</b>	<b>0.456</b>	<b>-.1441644</b>	<b>.0647376</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>.2753179</b>	<b>.2146646</b>	<b>1.28</b>	<b>0.201</b>	<b>-.1474196</b>	<b>.6980554</b>
w1CVhighChol#c.timew1w3							
Yes		<b>-.010177</b>	<b>.0467365</b>	<b>-0.22</b>	<b>0.828</b>	<b>-.1019344</b>	<b>.0815803</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>.1261946</b>	<b>.2418706</b>	<b>0.52</b>	<b>0.604</b>	<b>-.3578813</b>	<b>.6102705</b>
w1cvdbr#c.timew1w3							
1		<b>.0702805</b>	<b>.0517312</b>	<b>1.36</b>	<b>0.178</b>	<b>-.0325004</b>	<b>.1730615</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>-.0046827</b>	<b>.0142321</b>	<b>-0.33</b>	<b>0.742</b>	<b>-.0325772</b>	<b>.0232118</b>
c.timew1w3#c.invmillsmms		<b>.0033905</b>	<b>.0029736</b>	<b>1.14</b>	<b>0.254</b>	<b>-.0024377</b>	<b>.0092186</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>.0533684</b>	<b>.2517042</b>	<b>0.21</b>	<b>0.832</b>	<b>-.4399631</b>	<b>.5466998</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.007871</b>	<b>.0544953</b>	<b>-0.14</b>	<b>0.885</b>	<b>-.1146798</b>	<b>.0989378</b>

_cons	5.903652	.4549776	12.98	0.000	5.01188	6.795425
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	.0069331	.	.	.	.
sd(_cons)	1.457995	.	.	.	.
corr(timew1w3,_cons)	.999999	.	.	.	.
sd(Residual)	1.407934	.	.	.	.

669 .

670 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4fobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5  
 Number of obs = 1,573

Group variable: HNDID

Number of groups = 821

Obs per group:

min = 1  
 avg = 1.9  
 max = 2

Average RVI = 0.0485

Largest FMI = 0.3551

DF adjustment: Large sample

DF: min = 38.48

avg = 313,629.24

max = 5494197.91

Model F test: Equal FMI

F( 41,58964.3) = 3.18

Prob &gt; F = 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	- .2722993	.1818932	-1.50	0.134	-.6288041	.0842056
w1Agecent48	- .067195	.021339	-3.15	0.002	-.1090216	-.0253683
c.timew1w3#c.w1Agecent48	- .0031654	.0040598	-0.78	0.436	-.0111227	.0047919
timew1w3	0	(omitted)				
Sex						
Men	1.58498	.3841052	4.13	0.000	.8321085	2.337851
Sex#c.timew1w3						
Men	.0313132	.0719198	0.44	0.663	-.1096481	.1722746
timew1w3	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3						
AfrAm	0	(omitted)				
timew1w3	0	(omitted)				

PovStat Below		<b>- .1952135</b>	<b>.3653839</b>	<b>-0.53</b>	<b>0.593</b>	<b>-.9113681</b>	<b>.5209411</b>
PovStat#c.timew1w3 Below		<b>.0418853</b>	<b>.0676017</b>	<b>0.62</b>	<b>0.536</b>	<b>-.0906118</b>	<b>.1743825</b>
timew1w3			<b>0 (omitted)</b>				
w1edubr 2		<b>-.823789</b>	<b>.8449228</b>	<b>-0.97</b>	<b>0.330</b>	<b>-2.480073</b>	<b>.8324954</b>
3		<b>-.2470633</b>	<b>.8823086</b>	<b>-0.28</b>	<b>0.779</b>	<b>-1.976371</b>	<b>1.482244</b>
w1edubr#c.timew1w3 2		<b>.271643</b>	<b>.1513163</b>	<b>1.80</b>	<b>0.073</b>	<b>-.0249328</b>	<b>.5682189</b>
3		<b>.2544592</b>	<b>.1600923</b>	<b>1.59</b>	<b>0.112</b>	<b>-.0593164</b>	<b>.5682349</b>
timew1w3 w1WRATtotalcent42		<b>0 (omitted)</b>					
		<b>.1323439</b>	<b>.0243023</b>	<b>5.45</b>	<b>0.000</b>	<b>.0847052</b>	<b>.1799825</b>
c.timew1w3#c.w1WRATtotalcent42		<b>.0006108</b>	<b>.0045431</b>	<b>0.13</b>	<b>0.893</b>	<b>-.0082934</b>	<b>.009515</b>
timew1w3 1.w1smoke		<b>0 (omitted)</b>					
		<b>-.2679639</b>	<b>.4447191</b>	<b>-0.60</b>	<b>0.550</b>	<b>-1.16788</b>	<b>.6319521</b>
w1smoke#c.timew1w3 1		<b>.011645</b>	<b>.078185</b>	<b>0.15</b>	<b>0.882</b>	<b>-.142284</b>	<b>.165574</b>
timew1w3 1.w1currdrugs		<b>0 (omitted)</b>					
		<b>.2947005</b>	<b>.4947733</b>	<b>0.60</b>	<b>0.554</b>	<b>-.6958272</b>	<b>1.285228</b>
w1currdrugs#c.timew1w3 1		<b>-.0618845</b>	<b>.0874847</b>	<b>-0.71</b>	<b>0.480</b>	<b>-.2336337</b>	<b>.1098646</b>
timew1w3 w1hei2010_total_scorecent43		<b>0 (omitted)</b>					
		<b>.0096885</b>	<b>.0153284</b>	<b>0.63</b>	<b>0.527</b>	<b>-.0203714</b>	<b>.0397485</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0032167</b>	<b>.003407</b>	<b>-0.94</b>	<b>0.345</b>	<b>-.0099029</b>	<b>.0034695</b>
timew1w3 w1BMIcon30		<b>0 (omitted)</b>					
		<b>.033752</b>	<b>.0260838</b>	<b>1.29</b>	<b>0.196</b>	<b>-.0174033</b>	<b>.0849073</b>
c.timew1w3#c.w1BMIcon30		<b>.0020348</b>	<b>.0048059</b>	<b>0.42</b>	<b>0.672</b>	<b>-.007386</b>	<b>.0114556</b>
timew1w3		<b>0 (omitted)</b>					
w1SRH 2		<b>.0919791</b>	<b>.4817176</b>	<b>0.19</b>	<b>0.849</b>	<b>-.8522121</b>	<b>1.03617</b>
3		<b>.1435612</b>	<b>.510978</b>	<b>0.28</b>	<b>0.779</b>	<b>-.8580009</b>	<b>1.145123</b>
w1SRH#c.timew1w3 2		<b>.080881</b>	<b>.0910939</b>	<b>0.89</b>	<b>0.375</b>	<b>-.097662</b>	<b>.2594241</b>
3		<b>-.0323819</b>	<b>.0959731</b>	<b>-0.34</b>	<b>0.736</b>	<b>-.2204872</b>	<b>.1557234</b>
timew1w3 w1CEScent15		<b>0 (omitted)</b>					
		<b>-.0272539</b>	<b>.0173611</b>	<b>-1.57</b>	<b>0.117</b>	<b>-.0613178</b>	<b>.00681</b>
c.timew1w3#c.w1CEScent15		<b>-.0005885</b>	<b>.0032197</b>	<b>-0.18</b>	<b>0.855</b>	<b>-.0068991</b>	<b>.0057221</b>
timew1w3		<b>0 (omitted)</b>					
w1dxHTN Yes		<b>.4158992</b>	<b>.400314</b>	<b>1.04</b>	<b>0.300</b>	<b>-.3713325</b>	<b>1.203131</b>

w1dxHTN#c.timew1w3 Yes		<b>- .062696</b>	<b>.0756786</b>	<b>-0.83</b>	<b>0.408</b>	<b>-.2111026</b>	<b>.0857107</b>
	timew1w3		<b>0</b> (omitted)				
w1dxDiabetes preDiabetes Diabetes		<b>-.3108848</b>	<b>.4898944</b>	<b>-0.63</b>	<b>0.526</b>	<b>-1.272145</b>	<b>.650375</b>
		<b>-.0144266</b>	<b>.5487664</b>	<b>-0.03</b>	<b>0.979</b>	<b>-1.093476</b>	<b>1.064623</b>
w1dxDiabetes#c.timew1w3 preDiabetes Diabetes		<b>.0785511</b>	<b>.0947644</b>	<b>0.83</b>	<b>0.407</b>	<b>-.1073947</b>	<b>.264497</b>
	timew1w3		<b>0</b> (omitted)				
w1CVhighChol Yes		<b>-.082639</b>	<b>.4512102</b>	<b>-0.18</b>	<b>0.855</b>	<b>-.96908</b>	<b>.8038019</b>
w1CVhighChol#c.timew1w3 Yes		<b>.0678554</b>	<b>.0896584</b>	<b>0.76</b>	<b>0.449</b>	<b>-.1080529</b>	<b>.2437637</b>
	timew1w3 1.w1cvdbr		<b>0</b> (omitted)				
		<b>-.093624</b>	<b>.4550696</b>	<b>-0.21</b>	<b>0.837</b>	<b>-.9858306</b>	<b>.7985826</b>
w1cvdbr#c.timew1w3 1		<b>.0799796</b>	<b>.0928146</b>	<b>0.86</b>	<b>0.389</b>	<b>-.1022851</b>	<b>.2622444</b>
	timew1w3 invmillsmms		<b>0</b> (omitted)				
		<b>-.0201698</b>	<b>.0361768</b>	<b>-0.56</b>	<b>0.577</b>	<b>-.0910751</b>	<b>.0507356</b>
c.timew1w3#c.invmillsmms		<b>.0045628</b>	<b>.0072833</b>	<b>0.63</b>	<b>0.531</b>	<b>-.0097121</b>	<b>.0188377</b>
	timew1w3 w1HCYcenter2p15		<b>0</b> (omitted)				
		<b>.4311582</b>	<b>.5363237</b>	<b>0.80</b>	<b>0.421</b>	<b>-.6200179</b>	<b>1.482334</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.1461415</b>	<b>.099506</b>	<b>-1.47</b>	<b>0.142</b>	<b>-.3411714</b>	<b>.0488884</b>
	_cons	<b>18.06873</b>	<b>.9970132</b>	<b>18.12</b>	<b>0.000</b>	<b>16.1146</b>	<b>20.02286</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	<b>.5245307</b>	<b>.1394052</b>	<b>.3115628</b>	<b>.8830723</b>	
sd(_cons)	<b>4.168242</b>	<b>.2362908</b>	<b>3.729921</b>	<b>4.658073</b>	
corr(timew1w3,_cons)	<b>-.3379905</b>	<b>.0803156</b>	<b>-.4850296</b>	<b>-.1723658</b>	
sd(Residual)	<b>2.280893</b>	<b>.3525595</b>	<b>1.684743</b>	<b>3.087992</b>	

671 .  
 672 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIconstant  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4gobs==1 & Race==2 || HNDID: timew1w3

Multiple-imputation estimates	Imputations =	5
Mixed-effects ML regression	Number of obs =	1,546
Group variable: HNDID		
	Number of groups =	820
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	.
	Largest FMI =	.
DF adjustment: Large sample	DF: min =	0.00
	avg =	.
	max =	.
Model F test: Equal FMI	F( 41, 22417.8) =	4.93
	Prob > F =	0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0500538	.0698628	0.72	0.474	-.0868759 .1869836
w1Agecent48	-.0052542	.0085491	-0.61	0.539	-.0220139 .0115055
c.timew1w3##c.w1Agecent48	-.0048348	.0016213	-2.98	0.003	-.0080131 -.0016565
timew1w3	0 (omitted)				
Sex					
Men	.1357823	.1516934	0.90	0.371	-.1615315 .4330962
Sex##c.timew1w3					
Men	-.0591556	.0286345	-2.07	0.039	-.1152833 -.0030279
timew1w3	0 (omitted)				
Race					
AfrAm	0 (omitted)				
Race##c.timew1w3					
AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	-.1322828	.1440307	-0.92	0.358	-.4145823 .1500167
PovStat##c.timew1w3					
Below	-.0436689	.0264852	-1.65	0.099	-.09558 .0082422
timew1w3	0 (omitted)				
w1edubr					
2	-.0740019	.3339537	-0.22	0.825	-.7286976 .5806937
3	-.117616	.3542977	-0.33	0.740	-.8124457 .5772138
w1edubr##c.timew1w3					
2	-.0320103	.057165	-0.56	0.576	-.144054 .0800334

	3		<b>- .0263202</b>	<b>.0606538</b>	<b>-0.43</b>	<b>0.664</b>	<b>-.1452004</b>	<b>.09256</b>
		timew1w3	0	(omitted)				
	w1WRATtotalcent42		<b>.0911209</b>	<b>.0098058</b>	<b>9.29</b>	<b>0.000</b>	<b>.0718786</b>	<b>.1103632</b>
c.timew1w3#c.w1WRATtotalcent42			<b>.0000816</b>	<b>.0017768</b>	<b>0.05</b>	<b>0.963</b>	<b>-.003401</b>	<b>.0035642</b>
		timew1w3	0	(omitted)				
	1.w1smoke		<b>.0371288</b>	<b>.1620986</b>	<b>0.23</b>	<b>0.819</b>	<b>-.2847899</b>	<b>.3590474</b>
	w1smoke#c.timew1w3							
	1		<b>-.0023823</b>	<b>.0294864</b>	<b>-0.08</b>	<b>0.936</b>	<b>-.0602118</b>	<b>.0554472</b>
		timew1w3	0	(omitted)				
	1.w1currdrugs		<b>.5010429</b>	<b>.1749854</b>	<b>2.86</b>	<b>0.004</b>	<b>.1571018</b>	<b>.844984</b>
	w1currdrugs#c.timew1w3							
	1		<b>-.0137003</b>	<b>.0346793</b>	<b>-0.40</b>	<b>0.693</b>	<b>-.0818157</b>	<b>.054415</b>
		timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43		<b>-.0003533</b>	<b>.0079289</b>	<b>-0.04</b>	<b>0.965</b>	<b>-.01684</b>	<b>.0161334</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0001522</b>	<b>.0014876</b>	<b>0.10</b>	<b>0.919</b>	<b>-.0028169</b>	<b>.0031212</b>
		timew1w3	0	(omitted)				
	w1BMIcon30		<b>-.0098442</b>	<b>.0101869</b>	<b>-0.97</b>	<b>0.334</b>	<b>-.0298118</b>	<b>.0101233</b>
c.timew1w3#c.w1BMIcon30			<b>-.0009653</b>	<b>.0018852</b>	<b>-0.51</b>	<b>0.609</b>	<b>-.0046612</b>	<b>.0027306</b>
		timew1w3	0	(omitted)				
	w1SRH							
	2		<b>.0194206</b>	<b>.1887991</b>	<b>0.10</b>	<b>0.918</b>	<b>-.3506189</b>	<b>.3894601</b>
	3		<b>.3070858</b>	<b>.2009203</b>	<b>1.53</b>	<b>0.126</b>	<b>-.0867289</b>	<b>.7009004</b>
	w1SRH#c.timew1w3							
	2		<b>.0291162</b>	<b>.0359085</b>	<b>0.81</b>	<b>0.417</b>	<b>-.0412637</b>	<b>.0994961</b>
	3		<b>.017162</b>	<b>.0378854</b>	<b>0.45</b>	<b>0.651</b>	<b>-.0570935</b>	<b>.0914175</b>
		timew1w3	0	(omitted)				
	w1CEScent15							
	timew1w3		<b>-.0064242</b>	<b>.006695</b>	<b>-0.96</b>	<b>0.337</b>	<b>-.0195467</b>	<b>.0066983</b>
c.timew1w3#c.w1CEScent15			<b>.000973</b>	<b>.0012888</b>	<b>0.75</b>	<b>0.450</b>	<b>-.0015536</b>	<b>.0034996</b>
		timew1w3	0	(omitted)				
	w1dxHTN							
	Yes		<b>.0450664</b>	<b>.1523231</b>	<b>0.30</b>	<b>0.767</b>	<b>-.2534894</b>	<b>.3436222</b>
	w1dxHTN#c.timew1w3							
	Yes		<b>-.0156073</b>	<b>.0295072</b>	<b>-0.53</b>	<b>0.597</b>	<b>-.0734512</b>	<b>.0422365</b>
		timew1w3	0	(omitted)				
	w1dxDiabetes							
	preDiabetes		<b>.1175667</b>	<b>.193042</b>	<b>0.61</b>	<b>0.543</b>	<b>-.2611081</b>	<b>.4962416</b>
	Diabetes		<b>.1173218</b>	<b>.2161428</b>	<b>0.54</b>	<b>0.587</b>	<b>-.3069396</b>	<b>.5415832</b>
	w1dxDiabetes#c.timew1w3							
	preDiabetes		<b>-.0190884</b>	<b>.035861</b>	<b>-0.53</b>	<b>0.595</b>	<b>-.0893748</b>	<b>.0511981</b>
	Diabetes		<b>-.0023054</b>	<b>.0414354</b>	<b>-0.06</b>	<b>0.956</b>	<b>-.0835342</b>	<b>.0789234</b>
		timew1w3	0	(omitted)				

w1CVhighChol Yes		<b>-.3212955</b>	<b>.1985852</b>	<b>-1.62</b>	<b>0.111</b>	<b>-.7191824</b>	<b>.0765915</b>
w1CVhighChol#c.timew1w3 Yes		<b>.0066703</b>	<b>.0355244</b>	<b>0.19</b>	<b>0.851</b>	<b>-.0630761</b>	<b>.0764168</b>
timew1w3 1.w1cvdbr		<b>0</b> (omitted)	<b>-.1164492</b>	<b>.1876802</b>	<b>-0.62</b>	<b>0.535</b>	<b>-.4853922</b>
w1cvdbr#c.timew1w3 1		<b>.0101087</b>	<b>.0363259</b>	<b>0.28</b>	<b>0.781</b>	<b>-.0611589</b>	<b>.0813763</b>
timew1w3 invmillsmms		<b>0</b> (omitted)	<b>-.0040726</b>	<b>.0123924</b>	<b>-0.33</b>	<b>0.742</b>	<b>-.0283613</b>
c.timew1w3#c.invmillsmms		<b>-.0004075</b>	<b>.0024237</b>	<b>-0.17</b>	<b>0.866</b>	<b>-.0051584</b>	<b>.0043434</b>
timew1w3 w1HCYcenter2p15		<b>0</b> (omitted)	<b>-.015151</b>	<b>.2147561</b>	<b>-0.07</b>	<b>0.944</b>	<b>-.4360684</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0248723</b>	<b>.0403825</b>	<b>-0.62</b>	<b>0.538</b>	<b>-.1040209</b>	<b>.0542763</b>
_cons		<b>6.965202</b>	<b>.3974337</b>	<b>17.53</b>	<b>0.000</b>	<b>6.186081</b>	<b>7.744322</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>3.34e-07</b>	.	.	.
sd(_cons)	<b>1.495888</b>	<b>.0499122</b>	<b>1.40119</b>	<b>1.596986</b>
sd(Residual)	<b>1.131705</b>	<b>.029723</b>	<b>1.074921</b>	<b>1.191488</b>

673 .  
674 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15 ///  
> if sample4hobs==1 & Race==2 || HNDID: timew1w3

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,536

Group variable: HNDID

Number of groups	=	819
Obs per group:		
min =	1	
avg =	1.9	
max =	2	
Average RVI	=	0.0687
Largest FMI	=	0.5011

DF adjustment: Large sample

DF:	min	=	19.54
	avg	=	2493377.42
	max	=	1.07e+08

Model F test: Equal FMI

F( 41, 32133.6)	=	6.99
Prob > F	=	0.0000

	DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-.0818025</b>	<b>.0736487</b>	<b>-1.11</b>	<b>0.267</b>	<b>-.2261554</b> <b>.0625504</b>
w1Agecent48		<b>-.0185643</b>	<b>.0078622</b>	<b>-2.36</b>	<b>0.018</b>	<b>-.0339754</b> <b>-.0031531</b>
c.timew1w3#c.w1Agecent48		<b>-.0015536</b>	<b>.0016928</b>	<b>-0.92</b>	<b>0.359</b>	<b>-.0048715</b> <b>.0017643</b>
	timew1w3	0	(omitted)			
Sex						
Men		<b>-.0121498</b>	<b>.1407281</b>	<b>-0.09</b>	<b>0.931</b>	<b>-.2879816</b> <b>.2636819</b>
Sex#c.timew1w3						
Men		<b>-.0665624</b>	<b>.0299806</b>	<b>-2.22</b>	<b>0.026</b>	<b>-.1253234</b> <b>-.0078014</b>
	timew1w3	0	(omitted)			
Race						
AfrAm		0	(omitted)			
Race#c.timew1w3						
AfrAm		0	(omitted)			
	timew1w3	0	(omitted)			
PovStat						
Below		<b>-.1779351</b>	<b>.1322519</b>	<b>-1.35</b>	<b>0.178</b>	<b>-.4371507</b> <b>.0812804</b>
PovStat#c.timew1w3						
Below		<b>.0055714</b>	<b>.0278426</b>	<b>0.20</b>	<b>0.841</b>	<b>-.0489994</b> <b>.0601422</b>
	timew1w3	0	(omitted)			
w1edubr						
2		<b>-.1208222</b>	<b>.3047424</b>	<b>-0.40</b>	<b>0.692</b>	<b>-.7181773</b> <b>.4765328</b>
3		<b>.0122039</b>	<b>.3207395</b>	<b>0.04</b>	<b>0.970</b>	<b>-.6164983</b> <b>.6409061</b>
w1edubr#c.timew1w3						
2		<b>.0713289</b>	<b>.0601131</b>	<b>1.19</b>	<b>0.235</b>	<b>-.0464923</b> <b>.18915</b>
3		<b>.0720396</b>	<b>.0638871</b>	<b>1.13</b>	<b>0.259</b>	<b>-.053178</b> <b>.1972572</b>
	timew1w3	0	(omitted)			
w1WRATtotalcent42		<b>.1057367</b>	<b>.00887</b>	<b>11.92</b>	<b>0.000</b>	<b>.08835</b> <b>.1231233</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0021626</b>	<b>.001887</b>	<b>-1.15</b>	<b>0.252</b>	<b>-.0058613</b> <b>.0015361</b>
	timew1w3	0	(omitted)			
1.w1smoke		<b>-.0889457</b>	<b>.1414532</b>	<b>-0.63</b>	<b>0.530</b>	<b>-.3666562</b> <b>.1887648</b>
w1smoke#c.timew1w3						
1		<b>.0115539</b>	<b>.0317559</b>	<b>0.36</b>	<b>0.716</b>	<b>-.0508255</b> <b>.0739333</b>
	timew1w3	0	(omitted)			
1.w1currdrugs		<b>.1237181</b>	<b>.1889112</b>	<b>0.65</b>	<b>0.516</b>	<b>-.2573284</b> <b>.5047645</b>
w1currdrugs#c.timew1w3						
1		<b>.0437804</b>	<b>.0384984</b>	<b>1.14</b>	<b>0.257</b>	<b>-.0323544</b> <b>.1199151</b>
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		<b>-.00759</b>	<b>.0060812</b>	<b>-1.25</b>	<b>0.213</b>	<b>-.0195547</b> <b>.0043747</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0020363</b>	<b>.0015077</b>	<b>1.35</b>	<b>0.180</b>	<b>-.0009506</b> <b>.0050232</b>

	timew1w3	0	(omitted)				
w1BMIcon30		.0003533	.0094107	0.04	0.970	-.0180923	.018799
c.timew1w3#c.w1BMIcon30		-.0038964	.001976	-1.97	0.049	-.0077694	-.0000234
	timew1w3	0	(omitted)				
w1SRH							
2		-.0193276	.175428	-0.11	0.912	-.3631996	.3245443
3		.1140873	.1896217	0.60	0.548	-.2579333	.4861079
w1SRH#c.timew1w3							
2		-.0023151	.0376002	-0.06	0.951	-.0760108	.0713805
3		.0029621	.0397404	0.07	0.941	-.0749281	.0808524
	timew1w3	0	(omitted)				
w1CEScent15		-.0086439	.0061828	-1.40	0.162	-.0207632	.0034754
c.timew1w3#c.w1CEScent15		-.0004101	.0013422	-0.31	0.760	-.0030408	.0022207
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		-.0263906	.1423275	-0.19	0.853	-.3053868	.2526055
w1dxHTN#c.timew1w3							
Yes		-.0073404	.0309156	-0.24	0.812	-.0679374	.0532566
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		.3789411	.1765255	2.15	0.032	.0328779	.7250044
Diabetes		-.1427529	.2039299	-0.70	0.484	-.5435762	.2580704
w1dxDiabetes#c.timew1w3							
preDiabetes		-.0521812	.0380326	-1.37	0.170	-.1267286	.0223662
Diabetes		-.0062816	.0440398	-0.14	0.887	-.0926506	.0800874
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		-.0983832	.1797573	-0.55	0.585	-.454762	.2579955
w1CVhighChol#c.timew1w3							
Yes		.0426291	.0381076	1.12	0.264	-.0322637	.1175218
	timew1w3	0	(omitted)				
1.w1cvdbr		.1417249	.2258519	0.63	0.538	-.3301135	.6135633
w1cvdbr#c.timew1w3							
1		.0381582	.0421511	0.91	0.368	-.0458109	.1221273
	timew1w3	0	(omitted)				
invmillsmms		.0104037	.0117391	0.89	0.375	-.0126045	.033412
c.timew1w3#c.invmillsmms		-.0056748	.0024516	-2.31	0.021	-.0104799	-.0008697
	timew1w3	0	(omitted)				
w1HCYcenter2p15		-.0893493	.1977417	-0.45	0.651	-.476916	.2982175
c.timew1w3#c.w1HCYcenter2p15		.0514594	.0425503	1.21	0.227	-.0319383	.1348571

	<u>_cons</u>	<b>5.379627</b>	<b>.3698558</b>	<b>14.55</b>	<b>0.000</b>	<b>4.654167</b>	<b>6.105087</b>
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Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.0000306</b>	<b>.0093275</b>	<b>2.4e-264</b>	<b>3.9e+254</b>
sd(_cons)	<b>1.230996</b>	<b>.0496553</b>	<b>1.13742</b>	<b>1.33227</b>
sd(Residual)	<b>1.1935</b>	<b>.0359889</b>	<b>1.125006</b>	<b>1.266164</b>

675 .  
 676 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcon  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvnbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15 ///  
 > if sample4iobs==1 & Race==2 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	1,561

Group variable: HNDID

Number of groups	=	819
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0603
Largest FMI	=	0.2843

DF adjustment: Large sample

DF:	min	=	58.98
	avg	=	1780548.44
	max	=	7.50e+07

Model F test: Equal FMI

F( 41, 39665.2)	=	2.56
Prob > F	=	0.0000

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.0117158</b>	<b>.0629475</b>	<b>-0.19</b>	<b>0.852</b>	<b>-.1351196</b>	<b>.1116881</b>
w1Agecent48	<b>-.0032907</b>	<b>.0054699</b>	<b>-0.60</b>	<b>0.547</b>	<b>-.0140134</b>	<b>.007432</b>
c.timew1w3#c.w1Agecent48	<b>-.0002476</b>	<b>.0014087</b>	<b>-0.18</b>	<b>0.860</b>	<b>-.0030103</b>	<b>.0025151</b>
timew1w3	<b>0</b> (omitted)					
Sex						
Men	<b>.1630519</b>	<b>.0971989</b>	<b>1.68</b>	<b>0.093</b>	<b>-.0274548</b>	<b>.3535585</b>
Sex#c.timew1w3						
Men	<b>.0192806</b>	<b>.0246175</b>	<b>0.78</b>	<b>0.434</b>	<b>-.028971</b>	<b>.0675322</b>
timew1w3	<b>0</b> (omitted)					
Race						
AfrAm	<b>0</b> (omitted)					
Race#c.timew1w3						
AfrAm	<b>0</b> (omitted)					
timew1w3	<b>0</b> (omitted)					
PovStat						

	Below	.0572402	.0925234	0.62	0.536	-.1241026	.238583
PovStat#c.timew1w3							
Below		.0064943	.0230364	0.28	0.778	-.0386564	.0516451
timew1w3		0 (omitted)					
w1edubr							
2		.2235193	.2190241	1.02	0.308	-.2059918	.6530304
3		.3573337	.2298635	1.55	0.120	-.093377	.8080443
w1edubr#c.timew1w3							
2		.0209601	.0523053	0.40	0.689	-.0815812	.1235013
3		.0477482	.0555461	0.86	0.390	-.0611618	.1566581
timew1w3		0 (omitted)					
w1WRATtotalcent42		.0297912	.0061945	4.81	0.000	.0176496	.0419328
c.timew1w3#c.w1WRATtotalcent42							
timew1w3		0 (omitted)					
1.w1smoke		-.0209342	.1100443	-0.19	0.850	-.239924	.1980557
w1smoke#c.timew1w3							
1		.0135057	.0255675	0.53	0.597	-.0366504	.0636618
timew1w3		0 (omitted)					
1.w1currdrugs		.2750603	.120985	2.27	0.024	.0364906	.5136299
w1currdrugs#c.timew1w3							
1		-.0509221	.0294993	-1.73	0.085	-.1088045	.0069603
timew1w3		0 (omitted)					
w1hei2010_total_scorecent43		.0000785	.004723	0.02	0.987	-.0093158	.0094728
c.timew1w3#c.w1hei2010_total_scorecent43							
timew1w3		0 (omitted)					
w1BMIcon30		-.0070675	.00667	-1.06	0.289	-.0201459	.006011
c.timew1w3#c.w1BMIcon30							
timew1w3		0 (omitted)					
w1SRH							
2		.1640658	.1224042	1.34	0.180	-.0758436	.4039752
3		-.0677985	.1300824	-0.52	0.602	-.3227598	.1871629
w1SRH#c.timew1w3							
2		-.0109719	.0309815	-0.35	0.723	-.0716952	.0497514
3		.0026425	.0327492	0.08	0.936	-.0615467	.0668317
timew1w3		0 (omitted)					
w1CEScent15		-.0027781	.0043532	-0.64	0.523	-.0113112	.0057551
c.timew1w3#c.w1CEScent15							
timew1w3		0 (omitted)					
w1dxHTN							
Yes		.0979888	.1066596	0.92	0.359	-.1123024	.30828
w1dxHTN#c.timew1w3							

	Yes	<b>- .050457</b>	<b>.0257287</b>	<b>-1.96</b>	<b>0.050</b>	<b>-.1009116</b>	<b>-2.36e-06</b>
	timew1w3	<b>0</b>	(omitted)				
w1dxDiabetes							
preDiabetes		<b>-.1758998</b>	<b>.1261308</b>	<b>-1.39</b>	<b>0.163</b>	<b>-.4234019</b>	<b>.0716023</b>
Diabetes		<b>.0646185</b>	<b>.1566705</b>	<b>0.41</b>	<b>0.681</b>	<b>-.2483803</b>	<b>.3776174</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0328474</b>	<b>.0310905</b>	<b>1.06</b>	<b>0.291</b>	<b>-.0280969</b>	<b>.0937917</b>
Diabetes		<b>-.0761174</b>	<b>.036272</b>	<b>-2.10</b>	<b>0.036</b>	<b>-.147319</b>	<b>-.0049158</b>
	timew1w3	<b>0</b>	(omitted)				
w1CVhighChol							
Yes		<b>-.0297063</b>	<b>.1235792</b>	<b>-0.24</b>	<b>0.810</b>	<b>-.2735889</b>	<b>.2141763</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0165317</b>	<b>.0314365</b>	<b>0.53</b>	<b>0.599</b>	<b>-.0453506</b>	<b>.0784141</b>
	timew1w3	<b>0</b>	(omitted)				
1.w1cvdbr		<b>.0438086</b>	<b>.1245157</b>	<b>0.35</b>	<b>0.725</b>	<b>-.2007603</b>	<b>.2883776</b>
w1cvdbr#c.timew1w3							
1		<b>-.0122119</b>	<b>.0353001</b>	<b>-0.35</b>	<b>0.731</b>	<b>-.0828478</b>	<b>.058424</b>
	timew1w3	<b>0</b>	(omitted)				
invmillsmms		<b>.0047143</b>	<b>.0085015</b>	<b>0.55</b>	<b>0.579</b>	<b>-.0119483</b>	<b>.0213769</b>
c.timew1w3#c.invmillsmms							
		<b>-.0012085</b>	<b>.0019346</b>	<b>-0.62</b>	<b>0.532</b>	<b>-.0050001</b>	<b>.0025832</b>
	timew1w3	<b>0</b>	(omitted)				
w1HCYcenter2p15		<b>-.0370747</b>	<b>.1370255</b>	<b>-0.27</b>	<b>0.787</b>	<b>-.3056413</b>	<b>.2314918</b>
c.timew1w3#c.w1HCYcenter2p15							
		<b>-.0562346</b>	<b>.0342686</b>	<b>-1.64</b>	<b>0.101</b>	<b>-.1234</b>	<b>.0109308</b>
	_cons	<b>8.201628</b>	<b>.2584253</b>	<b>31.74</b>	<b>0.000</b>	<b>7.695044</b>	<b>8.708211</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	<b>.1242659</b>	<b>.0436436</b>	<b>.0624298</b>	<b>.2473499</b>	
sd(_cons)	<b>.794712</b>	<b>.0872068</b>	<b>.6409174</b>	<b>.9854112</b>	
corr(timew1w3,_cons)	<b>-.4536419</b>	<b>.1089101</b>	<b>-.6399272</b>	<b>-.2169968</b>	
sd(Residual)	<b>.9024485</b>	<b>.0700997</b>	<b>.7749991</b>	<b>1.050857</b>	

```
678 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4jobs==1 & Race==2 || HNDID: timew1w3
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,515

Group variable: HNDID

Number of groups = 809  
Obs per group:  
min = 1  
avg = 1.9  
max = 2

Average RVI = 0.0425  
Largest FMI = 0.3438

DF adjustment: Large sample

DF: min = 40.96  
avg = 2.18e+09  
max = 9.82e+10

Model F test: Equal FMI

F( 41, 78986.8) = 6.95  
Prob > F = 0.0000

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0041553	.0177092	0.23	0.814	-.030562 .0388726
w1Agecent48	.0132161	.0017433	7.58	0.000	.0097986 .0166336
c.timew1w3#c.w1Agecent48	.0004263	.0003934	1.08	0.279	-.0003447 .0011973
timew1w3	0 (omitted)				
Sex					
Men	.1350449	.0310464	4.35	0.000	.0741949 .195895
Sex#c.timew1w3					
Men	-.0032091	.0069593	-0.46	0.645	-.0168492 .0104309
timew1w3	0 (omitted)				
Race					
AfrAm	0 (omitted)				
Race#c.timew1w3					
AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat					
Below	.0677098	.0295027	2.30	0.022	.0098854 .1255341
PovStat#c.timew1w3					
Below	.004313	.0064762	0.67	0.505	-.0083801 .0170061
timew1w3	0 (omitted)				
w1edubr					
2	-.0056217	.071404	-0.08	0.937	-.1457169 .1344735
3	-.0008659	.0745606	-0.01	0.991	-.1471178 .145386
w1edubr#c.timew1w3					
2	-.0054689	.0145377	-0.38	0.707	-.0339657 .0230278
3	-.0107589	.0153343	-0.70	0.483	-.0408145 .0192966

	timew1w3	0	(omitted)				
w1WRATtotalcent42		<b>- .0058413</b>	<b>.002014</b>	<b>-2.90</b>	<b>0.004</b>	<b>-.0097888</b>	<b>-.0018938</b>
c.timew1w3#c.w1WRATtotalcent42		<b>- .0007523</b>	<b>.0004463</b>	<b>-1.69</b>	<b>0.092</b>	<b>-.0016271</b>	<b>.0001224</b>
	timew1w3	0	(omitted)				
1.w1smoke		<b>- .0285953</b>	<b>.033434</b>	<b>-0.86</b>	<b>0.394</b>	<b>-.0946487</b>	<b>.0374581</b>
w1smoke#c.timew1w3							
1		<b>.0010113</b>	<b>.0072783</b>	<b>0.14</b>	<b>0.890</b>	<b>-.0132667</b>	<b>.0152893</b>
	timew1w3	0	(omitted)				
1.w1currdrugs		<b>.0662501</b>	<b>.0362527</b>	<b>1.83</b>	<b>0.068</b>	<b>-.004871</b>	<b>.1373712</b>
w1currdrugs#c.timew1w3							
1		<b>- .0106877</b>	<b>.0084243</b>	<b>-1.27</b>	<b>0.205</b>	<b>-.0272282</b>	<b>.0058527</b>
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		<b>.0004863</b>	<b>.0015648</b>	<b>0.31</b>	<b>0.758</b>	<b>-.002674</b>	<b>.0036466</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.000185</b>	<b>.0003409</b>	<b>0.54</b>	<b>0.588</b>	<b>-.0004867</b>	<b>.0008567</b>
	timew1w3	0	(omitted)				
w1BMIcontent30		<b>.0032374</b>	<b>.002088</b>	<b>1.55</b>	<b>0.121</b>	<b>-.0008552</b>	<b>.0073301</b>
c.timew1w3#c.w1BMIcontent30		<b>- .0008243</b>	<b>.0004569</b>	<b>-1.80</b>	<b>0.071</b>	<b>-.0017199</b>	<b>.0000713</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>- .0774284</b>	<b>.0393839</b>	<b>-1.97</b>	<b>0.049</b>	<b>-.1546195</b>	<b>-.0002373</b>
3		<b>- .0623785</b>	<b>.0416479</b>	<b>-1.50</b>	<b>0.134</b>	<b>-.1440069</b>	<b>.0192498</b>
w1SRH#c.timew1w3							
2		<b>.0031227</b>	<b>.0089267</b>	<b>0.35</b>	<b>0.726</b>	<b>-.0143737</b>	<b>.020619</b>
3		<b>- .0005052</b>	<b>.00941</b>	<b>-0.05</b>	<b>0.957</b>	<b>-.0189491</b>	<b>.0179387</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>.0029359</b>	<b>.0013782</b>	<b>2.13</b>	<b>0.033</b>	<b>.0002347</b>	<b>.0056371</b>
c.timew1w3#c.w1CEScent15		<b>.0003517</b>	<b>.0003124</b>	<b>1.13</b>	<b>0.260</b>	<b>-.0002605</b>	<b>.0009639</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.0048649</b>	<b>.0318055</b>	<b>0.15</b>	<b>0.878</b>	<b>-.0574863</b>	<b>.0672161</b>
w1dxHTN#c.timew1w3							
Yes		<b>.0039143</b>	<b>.0072168</b>	<b>0.54</b>	<b>0.588</b>	<b>-.0102321</b>	<b>.0180607</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>- .0062462</b>	<b>.0397704</b>	<b>-0.16</b>	<b>0.875</b>	<b>-.0842087</b>	<b>.0717163</b>
Diabetes		<b>.0117041</b>	<b>.046371</b>	<b>0.25</b>	<b>0.801</b>	<b>-.0795488</b>	<b>.1029571</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>.0080678</b>	<b>.0088725</b>	<b>0.91</b>	<b>0.363</b>	<b>-.0093234</b>	<b>.0254591</b>
Diabetes		<b>- .0037497</b>	<b>.0101009</b>	<b>-0.37</b>	<b>0.710</b>	<b>-.0235474</b>	<b>.0160479</b>
	timew1w3	0	(omitted)				

w1CVhighChol Yes		<b>- .0281093</b>	<b>.0403423</b>	<b>-0.70</b>	<b>0.488</b>	<b>- .108112</b>	<b>.0518934</b>
w1CVhighChol#c.timew1w3 Yes		<b>.0133445</b>	<b>.008781</b>	<b>1.52</b>	<b>0.129</b>	<b>- .0039018</b>	<b>.0305908</b>
timew1w3 1.w1cvdbr		<b>0</b> <b>.0152356</b>	<b>(omitted)</b> <b>.0406559</b>	<b>0.37</b>	<b>0.708</b>	<b>- .0649884</b>	<b>.0954596</b>
w1cvdbr#c.timew1w3 1		<b>.0061473</b>	<b>.009629</b>	<b>0.64</b>	<b>0.525</b>	<b>- .0129892</b>	<b>.0252838</b>
timew1w3 invmillsmms		<b>0</b> <b>.0110924</b>	<b>(omitted)</b> <b>.002605</b>	<b>4.26</b>	<b>0.000</b>	<b>.0059866</b>	<b>.0161982</b>
c.timew1w3#c.invmillsmms		<b>- .001227</b>	<b>.0005578</b>	<b>-2.20</b>	<b>0.028</b>	<b>- .0023202</b>	<b>- .0001338</b>
timew1w3 w1HCYcenter2p15		<b>0</b> <b>.0812633</b>	<b>(omitted)</b> <b>.0437563</b>	<b>1.86</b>	<b>0.063</b>	<b>- .0044976</b>	<b>.1670243</b>
c.timew1w3#c.w1HCYcenter2p15		<b>- .0066467</b>	<b>.009907</b>	<b>-0.67</b>	<b>0.502</b>	<b>- .0260642</b>	<b>.0127707</b>
_cons		<b>3.51311</b>	<b>.0840755</b>	<b>41.79</b>	<b>0.000</b>	<b>3.348222</b>	<b>3.677998</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Independent			
sd(timew1w3)	<b>5.06e-07</b>	<b>.0004265</b>	<b>0</b>
sd(_cons)	<b>.2561979</b>	<b>.0115013</b>	<b>.234619</b>
			<b>.2797615</b>
sd(Residual)	<b>.276272</b>	<b>.007495</b>	<b>.2619658</b>
			<b>.2913596</b>

679 .

```
680 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15 ///
> if sample4kobs==1 & Race==2 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 1,453

Group variable: HNDID

Number of groups = 799  
Obs per group:

min = 1  
avg = 1.8  
max = 2

Average RVI = 0.0639  
Largest FMI = 0.3373

DF adjustment: Large sample

DF: min = 42.48  
avg = 37,757.43  
max = 254,099.73

Model F test: Equal FMI

F( 41,35419.3) = 8.11  
Prob > F = 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0229733	.0277544	0.83	0.408	-.0314333 .07738
w1Agecent48	.0197656	.0028383	6.96	0.000	.0142021 .0253292
c.timew1w3#c.w1Agecent48	.0003756	.0006016	0.62	0.532	-.0008035 .0015547
timew1w3	0 (omitted)				
Sex Men	.0532921	.0512534	1.04	0.298	-.0471773 .1537616
Sex#c.timew1w3 Men	-.002973	.0107637	-0.28	0.782	-.0240702 .0181242
timew1w3	0 (omitted)				
Race AfrAm	0 (omitted)				
Race#c.timew1w3 AfrAm	0 (omitted)				
timew1w3	0 (omitted)				
PovStat Below	.1164962	.0484385	2.41	0.016	.0215566 .2114357
PovStat#c.timew1w3 Below	.0067863	.010072	0.67	0.500	-.0129554 .026528
timew1w3	0 (omitted)				
w1edubr 2	-.0324064	.1143923	-0.28	0.777	-.2566293 .1918164
3	-.1243848	.1193754	-1.04	0.297	-.3583617 .1095921
w1edubr#c.timew1w3 2	-.0487612	.0229816	-2.12	0.034	-.0938058 -.0037167
3	-.0486223	.0240636	-2.02	0.043	-.0957867 -.0014579
timew1w3	0 (omitted)				
w1WRATtotalcent42	-.0213685	.0033282	-6.42	0.000	-.0278918 -.0148452
c.timew1w3#c.w1WRATtotalcent42	-.0005237	.0007037	-0.74	0.457	-.001903 .0008556
timew1w3 1.w1smoke	0 (omitted)				
1.w1smoke	-.052942	.0554146	-0.96	0.342	-.162849 .056965
w1smoke#c.timew1w3 1	.0235906	.0123883	1.90	0.060	-.0010367 .0482179
timew1w3 1.w1currdrugs	0 (omitted)				
1.w1currdrugs	-.0274794	.0686416	-0.40	0.691	-.1659573 .1109985
w1currdrugs#c.timew1w3 1	-.0030244	.0140628	-0.22	0.830	-.0308951 .0248463
timew1w3 w1hei2010_total_scorecent43	0 (omitted)				
w1hei2010_total_scorecent43	.0018091	.0024611	0.74	0.466	-.0031386 .0067568
c.timew1w3#c.w1hei2010_total_scorecent43	.0001024	.000557	0.18	0.855	-.0010041 .001209

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .002478</b>	<b>.0034091</b>	<b>-0.73</b>	<b>0.467</b>	<b>- .0091602</b>	<b>.0042042</b>
c.timew1w3#c.w1BMIcon30		<b>.0000352</b>	<b>.0007111</b>	<b>0.05</b>	<b>0.960</b>	<b>- .0013586</b>	<b>.001429</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>-.1705643</b>	<b>.0653211</b>	<b>-2.61</b>	<b>0.009</b>	<b>- .2986302</b>	<b>- .0424984</b>
3		<b>-.131838</b>	<b>.0693201</b>	<b>-1.90</b>	<b>0.057</b>	<b>- .2677544</b>	<b>.0040785</b>
w1SRH#c.timew1w3							
2		<b>.021821</b>	<b>.0141577</b>	<b>1.54</b>	<b>0.123</b>	<b>- .0059312</b>	<b>.0495732</b>
3		<b>.0232075</b>	<b>.0151112</b>	<b>1.54</b>	<b>0.125</b>	<b>- .0064227</b>	<b>.0528377</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>.0096142</b>	<b>.0023413</b>	<b>4.11</b>	<b>0.000</b>	<b>.0050164</b>	<b>.014212</b>
c.timew1w3#c.w1CEScent15		<b>9.60e-06</b>	<b>.0004908</b>	<b>0.02</b>	<b>0.984</b>	<b>- .0009524</b>	<b>.0009716</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.022316</b>	<b>.0533256</b>	<b>0.42</b>	<b>0.676</b>	<b>- .0824288</b>	<b>.1270607</b>
w1dxHTN#c.timew1w3							
Yes		<b>-.0012799</b>	<b>.0111523</b>	<b>-0.11</b>	<b>0.909</b>	<b>- .0231404</b>	<b>.0205806</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>.144278</b>	<b>.0653648</b>	<b>2.21</b>	<b>0.027</b>	<b>.0160827</b>	<b>.2724732</b>
Diabetes		<b>.1572132</b>	<b>.0731021</b>	<b>2.15</b>	<b>0.032</b>	<b>.0137653</b>	<b>.3006611</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>-.03046</b>	<b>.013773</b>	<b>-2.21</b>	<b>0.027</b>	<b>- .0574601</b>	<b>- .0034599</b>
Diabetes		<b>-.0041187</b>	<b>.0158461</b>	<b>-0.26</b>	<b>0.795</b>	<b>- .0351857</b>	<b>.0269483</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>-.001118</b>	<b>.0644506</b>	<b>-0.02</b>	<b>0.986</b>	<b>- .1285435</b>	<b>.1263075</b>
w1CVhighChol#c.timew1w3							
Yes		<b>.0013128</b>	<b>.0135934</b>	<b>0.10</b>	<b>0.923</b>	<b>- .0253683</b>	<b>.0279939</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>-.0897911</b>	<b>.0645627</b>	<b>-1.39</b>	<b>0.165</b>	<b>- .2167798</b>	<b>.0371977</b>
w1cvdbr#c.timew1w3							
1		<b>.017987</b>	<b>.0131829</b>	<b>1.36</b>	<b>0.172</b>	<b>- .0078514</b>	<b>.0438253</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.009721</b>	<b>.0042066</b>	<b>2.31</b>	<b>0.021</b>	<b>.0014762</b>	<b>.0179659</b>
c.timew1w3#c.invmillsmms		<b>-.0020024</b>	<b>.0008593</b>	<b>-2.33</b>	<b>0.020</b>	<b>- .0036866</b>	<b>- .0003183</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>.0636701</b>	<b>.0719189</b>	<b>0.89</b>	<b>0.376</b>	<b>- .077292</b>	<b>.2046322</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0156198</b>	<b>.0150349</b>	<b>1.04</b>	<b>0.299</b>	<b>- .0138489</b>	<b>.0450884</b>

	<u>cons</u>	<b>4.864123</b>	<b>.1369815</b>	<b>35.51</b>	<b>0.000</b>	<b>4.595529</b>	<b>5.132716</b>
--	-------------	-----------------	-----------------	--------------	--------------	-----------------	-----------------

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0634227</b>	<b>.0273867</b>	<b>.0272066</b>	<b>.1478481</b>
sd(_cons)	<b>.5087375</b>	<b>.0428123</b>	<b>.4313803</b>	<b>.5999668</b>
corr(timew1w3,_cons)	<b>-.4159745</b>	<b>.0836816</b>	<b>-.5656796</b>	<b>-.239725</b>
sd(Residual)	<b>.3464896</b>	<b>.056201</b>	<b>.2521271</b>	<b>.4761688</b>

```

681 .
682 .
683 . save, replace
      file finaldata_imputed_FINAL.dta saved

684 .
685 .
686 . *****
687 . *****TABLE 2: HOMOCYSTEINE AT BASELINE VS. COGNITIVE CHANGE OVER TIME: INTERACTION BY
688 .
689 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
690 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5
Number of obs = 2,653

Number of groups = 1,430
Obs per group:
    min = 1
    avg = 1.9
    max = 2
Average RVI =
Largest FMI =
DF: min = 0.00
    avg =
    max =
F( 15, 1.5e+66) = 14.22
Prob > F = 0.0000

```

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	<b>-.007823</b>	<b>.0205095</b>	<b>-0.38</b>	<b>0.703</b>	<b>-.048021</b>	<b>.0323749</b>
w1Agecent48	<b>-.0242135</b>	<b>.0060565</b>	<b>-4.00</b>	<b>0.000</b>	<b>-.036084</b>	<b>-.0123429</b>
c.timew1w3##c.w1Agecent48	<b>-.0024748</b>	<b>.0011894</b>	<b>-2.08</b>	<b>0.037</b>	<b>-.004806</b>	<b>-.0001435</b>
timew1w3	<b>0</b> (omitted)					
Sex						
Men	<b>-.3331119</b>	<b>.1146429</b>	<b>-2.91</b>	<b>0.004</b>	<b>-.5578079</b>	<b>-.1084159</b>
Sex##c.timew1w3						
Men	<b>.0256712</b>	<b>.0224841</b>	<b>1.14</b>	<b>0.254</b>	<b>-.0183968</b>	<b>.0697392</b>
timew1w3	<b>0</b> (omitted)					

Race AfrAm	<b>-.7665342</b>	<b>.1102215</b>	<b>-6.95</b>	<b>0.000</b>	<b>-.9825643</b>	<b>-.5505041</b>
Race#c.timew1w3 AfrAm	<b>.0009326</b>	<b>.0217997</b>	<b>0.04</b>	<b>0.966</b>	<b>-.0417939</b>	<b>.0436592</b>
timew1w3	<b>0</b>	(omitted)				
PovStat Below	<b>-.5479199</b>	<b>.1142534</b>	<b>-4.80</b>	<b>0.000</b>	<b>-.7718524</b>	<b>-.3239874</b>
PovStat#c.timew1w3 Below	<b>-.0139163</b>	<b>.0220431</b>	<b>-0.63</b>	<b>0.528</b>	<b>-.05712</b>	<b>.0292874</b>
timew1w3 invmillsmms	<b>0</b>	(omitted)				
	<b>.0093532</b>	<b>.0035739</b>	<b>2.62</b>	<b>0.009</b>	<b>.0023486</b>	<b>.0163579</b>
c.timew1w3#c.invmillsmms	<b>-.0019099</b>	<b>.0006357</b>	<b>-3.00</b>	<b>0.003</b>	<b>-.0031557</b>	<b>-.000664</b>
timew1w3 w1HCYcenter2p15	<b>0</b>	(omitted)				
	<b>-.1238241</b>	<b>.2741078</b>	<b>-0.45</b>	<b>0.651</b>	<b>-.6610656</b>	<b>.4134174</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0225268</b>	<b>.0561486</b>	<b>-0.40</b>	<b>0.688</b>	<b>-.1325759</b>	<b>.0875224</b>
Race#c.w1HCYcenter2p15 AfrAm	<b>-.302557</b>	<b>.3413636</b>	<b>-0.89</b>	<b>0.375</b>	<b>-.9716172</b>	<b>.3665033</b>
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	<b>.0541844</b>	<b>.0689222</b>	<b>0.79</b>	<b>0.432</b>	<b>-.0809006</b>	<b>.1892694</b>
_cons	<b>28.61561</b>	<b>.1018597</b>	<b>280.93</b>	<b>0.000</b>	<b>28.41597</b>	<b>28.81525</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	<b>.1196703</b>	.	.	.	.
sd(_cons)	<b>1.644357</b>	.	.	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.	.	.
sd(Residual)	<b>1.200632</b>	.	.	.	.

691 .  
 692 .  
 693 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5
Number of obs = 2,653

Group variable: HNDID

Number of groups = 1,430

Obs per group:

min =	1
avg =	1.9
max =	2

Average RVI = .

Largest FMI = .

DF adjustment: Large sample

DF: min = 0.00

avg =	.
max =	.

Model F test: Equal FMI

F( 15, 1.4e+63) = 15.79

Prob > F = 0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.1896105	.1654152	-1.15	0.252	-.5138183 .1345973
w1Agecent48	-.1984288	.044527	-4.46	0.000	-.2857002 -.1111575
c.timew1w3#c.w1Agecent48	-.0202807	.0095713	-2.12	0.034	-.0390401 -.0015213
timew1w3	0 (omitted)				
Sex Men	-1.932548	.8428846	-2.29	0.022	-3.584572 -.280525
Sex#c.timew1w3 Men	.145543	.1808868	0.80	0.421	-.2089886 .5000746
timew1w3	0 (omitted)				
Race AfrAm	-6.862414	.8103641	-8.47	0.000	-8.450699 -5.27413
Race#c.timew1w3 AfrAm	.0684784	.1754861	0.39	0.696	-.2754681 .4124249
timew1w3	0 (omitted)				
PovStat Below	-4.183303	.8403142	-4.98	0.000	-5.830288 -2.536317
PovStat#c.timew1w3 Below	-.2274185	.1771056	-1.28	0.199	-.5745391 .1197021
timew1w3 invmillsmms	0 (omitted)				
invmillsmms	.0537263	.0262887	2.04	0.041	.0022013 .1052513
c.timew1w3#c.invmillsmms	-.0099683	.0050688	-1.97	0.049	-.019903 -.0000336
timew1w3 w1HCYcenter2p15	0 (omitted)				
w1HCYcenter2p15	-.7628013	2.014639	-0.38	0.705	-4.711421 3.185819
c.timew1w3#c.w1HCYcenter2p15	-.354561	.4533987	-0.78	0.434	-1.243206 .534084
Race#c.w1HCYcenter2p15 AfrAm	-1.366751	2.509628	-0.54	0.586	-6.285532 3.552029
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	.6604251	.55602	1.19	0.235	-.4293542 1.750204
_cons	83.58971	.7484399	111.69	0.000	82.12279 85.05662

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.542221	.	.
sd(_cons)	11.18361	.	.
corr(timew1w3,_cons)	-1	.	.
sd(Residual)	9.960951	.	.

694 .  
 695 .  
 696 .  
 697 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4bobs==1 || HNDID: timew1w3

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations =	5
Number of obs =	2,464

Group variable: HNDID

Number of groups =	1,420
Obs per group:	
min =	1
avg =	1.7
max =	2
Average RVI =	0.0000
Largest FMI =	0.0000

DF adjustment: Large sample

DF: min =	1.43e+56
avg =	3.94e+62
max =	.

Model F test: Equal FMI

F( 15, 1.2e+66) =	88.51
Prob > F =	0.0000

cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-1.134509	.0705854	-16.07	0.000	-1.272854 -.9961638
w1Agecent48	-.1532979	.0197506	-7.76	0.000	-.1920084 -.1145873
c.timew1w3#c.w1Agecent48	-.0075867	.0039794	-1.91	0.057	-.0153863 .0002129
timew1w3	0 (omitted)				
Sex Men	-2.554573	.3732854	-6.84	0.000	-3.286199 -1.822947
Sex#c.timew1w3 Men	-.136219	.0752153	-1.81	0.070	-.2836384 .0112003
timew1w3	0 (omitted)				
Race AfrAm	-2.775403	.3599906	-7.71	0.000	-3.480972 -2.069834
Race#c.timew1w3 AfrAm	.0817123	.0730371	1.12	0.263	-.0614379 .2248624
timew1w3	0 (omitted)				
PovStat Below	-1.701282	.3677284	-4.63	0.000	-2.422016 -.9805471

PovStat#c.timew1w3 Below	.0000111	.072089	0.00	1.000	-.1412808	.141303
timew1w3 invmillsmms	0 (omitted) .0193825	.0111918	1.73	0.083	-.0025529	.041318
c.timew1w3#c.invmillsmms	-.0004216	.0019937	-0.21	0.833	-.0043292	.003486
timew1w3 w1HCYcenter2p15	0 (omitted) -.5153963	.9062239	-0.57	0.570	-2.291563	1.26077
c.timew1w3#c.w1HCYcenter2p15	-.1346264	.1952831	-0.69	0.491	-.5173743	.2481216
Race#c.w1HCYcenter2p15 AfrAm	1.772295	1.114453	1.59	0.112	-.4119931	3.956583
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	.0431799	.2314278	0.19	0.852	-.4104103	.49677
_cons	28.08509	.336507	83.46	0.000	27.42555	28.74464

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	.2471106	.1527301	.0735859	.8298283
sd(_cons)	4.948632	.1345851	4.691757	5.219571
sd(Residual)	3.7783	.1350918	3.522589	4.052573

698 .  
 699 .  
 700 .  
 701 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4cobs==1 || HNDID:  
  
 Multiple-imputation estimates  
 Mixed-effects ML regression  
 Imputations = 5  
 Number of obs = 2,339  
  
 Group variable: HNDID  
 Number of groups = 1,391  
 Obs per group:  
 min = 1  
 avg = 1.7  
 max = 2  
 Average RVI = 0.0000  
 Largest FMI = 0.0000  
 DF: min = 9.63e+64  
 avg = 9.63e+64  
 max = .  
 DF adjustment: Large sample  
 Model F test: Equal FMI  
 F( 15, 1.9e+67) = 53.98  
 Prob > F = 0.0000

CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.3564859	.0346083	-10.30	0.000	-.424317 -.2886548
w1Agecent48	-.0813911	.0092779	-8.77	0.000	-.0995755 -.0632067
c.timew1w3#c.w1Agecent48	-.0036072	.0019563	-1.84	0.065	-.0074414 .000227
timew1w3	0 (omitted)				
Sex Men	-1.138143	.1751982	-6.50	0.000	-1.481525 -.794761
Sex#c.timew1w3 Men	-.0489012	.0366043	-1.34	0.182	-.1206442 .0228418
timew1w3	0 (omitted)				
Race AfrAm	-1.550544	.1686627	-9.19	0.000	-1.881117 -1.219971
Race#c.timew1w3 AfrAm	.0205389	.035643	0.58	0.564	-.0493201 .0903978
timew1w3	0 (omitted)				
PovStat Below	-.5483578	.1723022	-3.18	0.001	-.886064 -.2106517
PovStat#c.timew1w3 Below	-.0326286	.0351108	-0.93	0.353	-.1014444 .0361872
timew1w3	0 (omitted)				
invmillsmms	.0094202	.0051849	1.82	0.069	-.0007421 .0195825
c.timew1w3#c.invmillsmms	-.0004006	.0009409	-0.43	0.670	-.0022447 .0014435
timew1w3	0 (omitted)				
w1HCYcenter2p15	.2125827	.4234812	0.50	0.616	-.6174253 1.042591
c.timew1w3#c.w1HCYcenter2p15	-.0574899	.0967332	-0.59	0.552	-.2470836 .1321037
Race#c.w1HCYcenter2p15 AfrAm	.1393678	.5229859	0.27	0.790	-.8856657 1.164401
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	.0687858	.1141035	0.60	0.547	-.154853 .2924245
_cons	8.959171	.1578622	56.75	0.000	8.649767 9.268575

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Identity			
sd(_cons)	2.211313	.0644505	2.088532 2.341311
sd(Residual)	1.827173	.0421803	1.746344 1.911744

```

702 .
703 .
704 .
705 . mi estimate: mixed BVRTot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.t
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4dobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Imputations      =      5
Number of obs    =  2,751

Group variable: HNDID
Number of groups  =  1,443
Obs per group:
min =      1
avg =      1.9
max =      2
Average RVI     =  0.0000
Largest FMI     =  0.0000
DF adjustment: Large sample
DF: min         =   .
avg          =   .
max          =   .

Model F test: Equal FMI
F( 15,      .) =  37.55
Prob > F        =  0.0000

```

	BVRTot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.2385693	.047851	4.99	0.000	.144783	.3323555
w1Agecent48	.1304793	.0139088	9.38	0.000	.1032186	.15774
c.timew1w3#c.w1Agecent48	.0064938	.002808	2.31	0.021	.0009902	.0119974
timew1w3	0 (omitted)					
Sex Men	-1.064715	.2634888	-4.04	0.000	-1.581143	-.5482864
Sex#c.timew1w3 Men	.0802878	.0528981	1.52	0.129	-.0233904	.1839661
timew1w3	0 (omitted)					
Race AfrAm	1.073634	.2527972	4.25	0.000	.5781608	1.569108
Race#c.timew1w3 AfrAm	.1684579	.0510679	3.30	0.001	.0683666	.2685492
timew1w3	0 (omitted)					
PovStat Below	1.173602	.2617257	4.48	0.000	.6606294	1.686575
PovStat#c.timew1w3 Below	.0881086	.0520335	1.69	0.090	-.0138751	.1900924
timew1w3 invmillsmms	0 (omitted)					
invmillsmms	-.0172561	.0082386	-2.09	0.036	-.0334034	-.0011088
c.timew1w3#c.invmillsmms	-.0002882	.00155	-0.19	0.852	-.0033261	.0027497
timew1w3	0 (omitted)					
w1HCYcenter2p15	.9122038	.6292771	1.45	0.147	-.3211567	2.145564

c.timew1w3#c.w1HCYcenter2p15	.0099321	.1317817	0.08	0.940	-.2483552	.2682194
Race#c.w1HCYcenter2p15 AfrAm	-.7710721	.7816098	-0.99	0.324	-2.302999	.7608549
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	.2018215	.1597062	1.26	0.206	-.1111969	.5148399
_cons	5.808379	.2336553	24.86	0.000	5.350423	6.266335

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.6901595	.0574744	.5862246	.8125217
sd(_cons)	4.273145	.1313354	4.023332	4.538469
corr(timew1w3,_cons)	-.4217178	.0351667	-.4881393	-.3504392
sd(Residual)	<b>1.875464</b>	<b>.2058342</b>	<b>1.512476</b>	<b>2.325568</b>

706 .  
 707 .  
 708 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4eobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,486

Group variable: HNDID

Number of groups	=	1,418
Obs per group:		
min	=	1
avg	=	1.8
max	=	2
Average RVI	=	0.0000
Largest FMI	=	0.0000

DF adjustment: Large sample

<u>DF</u> :	min	=	2.32e+60
	avg	=	5.06e+64
	max	=	.

Model F test: Equal FMI

F( 15, 3.7e+63)	=	11.86
Prob > F	=	0.0000

Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0473702	.0247128	-1.92	0.055	-.0958063 .0010659
w1Agecent48	-.0212271	.0064866	-3.27	0.001	-.0339407 -.0085135
c.timew1w3#c.w1Agecent48	-.0026768	.0014182	-1.89	0.059	-.0054565 .0001028
timew1w3	0 (omitted)				
Sex					
Men	-.1833074	.1237789	-1.48	0.139	-.4259096 .0592948
Sex#c.timew1w3					
Men	-.0084832	.0268616	-0.32	0.752	-.0611309 .0441646
timew1w3	0 (omitted)				
Race					

AfrAm	<b>-.9325537</b>	<b>.1186491</b>	<b>-7.86</b>	<b>0.000</b>	<b>-1.165102</b>	<b>-.7000057</b>
Race#c.timew1w3						
AfrAm	<b>.0234494</b>	<b>.0259703</b>	<b>0.90</b>	<b>0.367</b>	<b>-.0274513</b>	<b>.0743502</b>
timew1w3		<b>0</b> (omitted)				
PovStat						
Below	<b>-.4430774</b>	<b>.1220037</b>	<b>-3.63</b>	<b>0.000</b>	<b>-.6822003</b>	<b>-.2039544</b>
PovStat#c.timew1w3						
Below	<b>-.0535401</b>	<b>.0260798</b>	<b>-2.05</b>	<b>0.040</b>	<b>-.1046556</b>	<b>-.0024247</b>
timew1w3		<b>0</b> (omitted)				
invmillsmms	<b>.0019258</b>	<b>.0037071</b>	<b>0.52</b>	<b>0.603</b>	<b>-.00534</b>	<b>.0091916</b>
c.timew1w3#c.invmillsmms	<b>-.0005629</b>	<b>.0007305</b>	<b>-0.77</b>	<b>0.441</b>	<b>-.0019946</b>	<b>.0008689</b>
timew1w3		<b>0</b> (omitted)				
w1HCYcenter2p15	<b>-.5060612</b>	<b>.303478</b>	<b>-1.67</b>	<b>0.095</b>	<b>-1.100867</b>	<b>.0887447</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0220316</b>	<b>.0680991</b>	<b>-0.32</b>	<b>0.746</b>	<b>-.1555034</b>	<b>.1114402</b>
Race#c.w1HCYcenter2p15						
AfrAm	<b>.4030102</b>	<b>.3754262</b>	<b>1.07</b>	<b>0.283</b>	<b>-.3328116</b>	<b>1.138832</b>
Race#c.timew1w3#c.w1HCYcenter2p15						
AfrAm	<b>.0172616</b>	<b>.0831238</b>	<b>0.21</b>	<b>0.835</b>	<b>-.1456581</b>	<b>.1801813</b>
_cons	<b>7.537056</b>	<b>.1097357</b>	<b>68.68</b>	<b>0.000</b>	<b>7.321978</b>	<b>7.752134</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	<b>.0964498</b>	<b>.1231439</b>	<b>.007898</b>	<b>1.177843</b>
sd(_cons)	<b>1.534093</b>	<b>.1060095</b>	<b>1.339774</b>	<b>1.756595</b>
corr(timew1w3,_cons)	<b>.0675145</b>	<b>.5018727</b>	<b>-.7261524</b>	<b>.784041</b>
sd(Residual)	<b>1.385091</b>	<b>.0999797</b>	<b>1.202365</b>	<b>1.595587</b>

709 .  
710 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##c.w1HCYcenter2p15##Race ///  
> if sample4fobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,773

Group variable: **HNDID**

Number of groups	=	1,446
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0000
Largest FMI	=	0.0000

DF adjustment: **Large sample**

DF:	min	=	3.32e+63
	avg	=	3.32e+63
	max	=	.

Model F test: **Equal FMI**

F( 15, 5.9e+66)	=	11.68
Prob > F	=	0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0729641	.0491948	1.48	0.138	-.0234559 .1693842
w1Agecent48	-.0796303	.0154474	-5.15	0.000	-.1099066 -.0493539
c.timew1w3#c.w1Agecent48	-.0031818	.002851	-1.12	0.264	-.0087696 .002406
timew1w3	0 (omitted)				
Sex Men	1.073469	.2921306	3.67	0.000	.5009033 1.646034
Sex#c.timew1w3 Men	-.0031173	.0536704	-0.06	0.954	-.1083093 .1020747
timew1w3	0 (omitted)				
Race AfrAm	-1.932338	.2811777	-6.87	0.000	-2.483436 -1.38124
Race#c.timew1w3 AfrAm	-.042681	.052134	-0.82	0.413	-.1448617 .0594998
timew1w3	0 (omitted)				
PovStat Below	-1.424125	.2911784	-4.89	0.000	-1.994824 -.8534255
PovStat#c.timew1w3 Below	.0148407	.0525212	0.28	0.778	-.088099 .1177803
timew1w3	0 (omitted)				
invmillsmms	.0109272	.0093176	1.17	0.241	-.007335 .0291893
c.timew1w3#c.invmillsmms	-.0012073	.0015789	-0.76	0.444	-.0043019 .0018874
timew1w3	0 (omitted)				
w1HCYcenter2p15	-1.980863	.6999788	-2.83	0.005	-3.352796 -.6089298
c.timew1w3#c.w1HCYcenter2p15	.1611163	.1371023	1.18	0.240	-.1075994 .4298319
Race#c.w1HCYcenter2p15 AfrAm	2.367939	.8673828	2.73	0.006	.6679002 4.067978
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	-.2957194	.1637933	-1.81	0.071	-.6167483 .0253096
_cons	20.18594	.2588681	77.98	0.000	19.67857 20.69331

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.2558069	.1764369	.0661936 .988573
sd(_cons)	4.302768	.1632163	3.994472 4.634858
corr(timew1w3,_cons)	-.1558248	.1349667	-.4038306 .1135167
sd(Residual)	2.925074	.1746405	2.602053 3.288194

711 .

```
712 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4gobs==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations	=	5
Number of obs	=	2,717
Number of groups	=	1,443
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.
<u>DF</u> :	min	= 0.00
	avg	= .
	max	= .
F( 15, 4.9e+64)	=	7.95
Prob > F	=	0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0258435	.0194594	1.33	0.184	-.0122962 .0639832
w1Agecent48	-.0154776	.0062483	-2.48	0.013	-.0277241 -.0032312
c.timew1w3##c.w1Agecent48	-.0032571	.001122	-2.90	0.004	-.0054563 -.001058
timew1w3	0 (omitted)				
Sex					
Men	.2555631	.1183768	2.16	0.031	.0235488 .4875774
Sex#c.timew1w3					
Men	-.0318072	.0212542	-1.50	0.135	-.0734647 .0098503
timew1w3	0 (omitted)				
Race					
AfrAm	-.6871138	.1135213	-6.05	0.000	-.9096115 -.4646162
Race#c.timew1w3					
AfrAm	-.0168428	.0205401	-0.82	0.412	-.0571006 .0234151
timew1w3	0 (omitted)				
PovStat					
Below	-.4660447	.1174916	-3.97	0.000	-.696324 -.2357654
PovStat#c.timew1w3					
Below	-.0252	.0206787	-1.22	0.223	-.0657294 .0153295
timew1w3	0 (omitted)				
invmillsmms	.0059771	.0037449	1.60	0.110	-.0013627 .0133169
c.timew1w3##c.invmillsmms	-.0005185	.0006127	-0.85	0.397	-.0017194 .0006824
timew1w3	0 (omitted)				
w1HCYcenter2p15	-.4650782	.283564	-1.64	0.101	-1.020853 .0906972
c.timew1w3##c.w1HCYcenter2p15	.0120517	.054219	0.22	0.824	-.0942156 .118319

Race#c.w1HCYcenter2p15 AfrAm	.2941571	.3519508	0.84	0.403	-.3956537	.983968
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	-.0607687	.0654009	-0.93	0.353	-.1889522	.0674147
_cons	7.791683	.1050453	74.17	0.000	7.585798	7.997568

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.0152723	.	.
sd(_cons)	1.736375	.	.
corr(timew1w3,_cons)	.9999886	.	.
sd(Residual)	1.189722	.	.

713 .

714 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##c.w1HCYcenter2p15##Race ///  
> if sample4hobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,704
Group variable: HNDID	Number of groups	=	1,444
	Obs per group:		
	min	=	1
	avg	=	1.9
	max	=	2
DF adjustment: Large sample	Average RVI	=	.
	Largest FMI	=	.
	DF:	min	= 0.00
		avg	= .
		max	= .
Model F test: Equal FMI	F( 15, 2.9e+65)	=	12.30
	Prob > F	=	0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0067411	.0202442	0.33	0.739	-.0329368 .0464191
w1Agecent48	-.0212302	.0061768	-3.44	0.001	-.0333365 -.009124
c.timew1w3#c.w1Agecent48	-.0012565	.0011677	-1.08	0.282	-.0035453 .0010322
timew1w3	0 (omitted)				
Sex Men	-.019264	.117248	-0.16	0.869	-.249066 .2105379
Sex#c.timew1w3 Men	-.0174531	.0221603	-0.79	0.431	-.0608865 .0259803
timew1w3	0 (omitted)				
Race AfrAm	-1.015933	.1123338	-9.04	0.000	-1.236103 -.7957627
Race#c.timew1w3					

AfrAm	<b>-.0166394</b>	<b>.0213942</b>	<b>-0.78</b>	<b>0.437</b>	<b>-.0585713</b>	<b>.0252925</b>
timew1w3	<b>0</b>	(omitted)				
PovStat Below	<b>-.5570657</b>	<b>.1163717</b>	<b>-4.79</b>	<b>0.000</b>	<b>-.78515</b>	<b>-.3289814</b>
PovStat#c.timew1w3 Below	<b>.0022113</b>	<b>.0215291</b>	<b>0.10</b>	<b>0.918</b>	<b>-.0399849</b>	<b>.0444076</b>
timew1w3 invmillsmms	<b>0</b>	(omitted)				
	<b>.0061327</b>	<b>.0037023</b>	<b>1.66</b>	<b>0.098</b>	<b>-.0011237</b>	<b>.0133892</b>
c.timew1w3#c.invmillsmms	<b>-.0004896</b>	<b>.0006377</b>	<b>-0.77</b>	<b>0.443</b>	<b>-.0017394</b>	<b>.0007603</b>
timew1w3 w1HCYcenter2p15	<b>0</b>	(omitted)				
	<b>-.4233483</b>	<b>.2791047</b>	<b>-1.52</b>	<b>0.129</b>	<b>-.9703835</b>	<b>.1236869</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.0326251</b>	<b>.0560652</b>	<b>-0.58</b>	<b>0.561</b>	<b>-.1425109</b>	<b>.0772607</b>
Race#c.w1HCYcenter2p15 AfrAm	<b>.1643877</b>	<b>.3474581</b>	<b>0.47</b>	<b>0.636</b>	<b>-.5166177</b>	<b>.845393</b>
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	<b>.0627827</b>	<b>.0678191</b>	<b>0.93</b>	<b>0.355</b>	<b>-.0701402</b>	<b>.1957056</b>
_cons	<b>6.446374</b>	<b>.1038112</b>	<b>62.10</b>	<b>0.000</b>	<b>6.242908</b>	<b>6.649841</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0092938</b>	.	.
sd(_cons)	<b>1.666144</b>	.	.
corr(timew1w3,_cons)	<b>-.9999995</b>	.	.
sd(Residual)	<b>1.239967</b>	.	.

715 .  
716 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
> c.timew1w3##c.w1HCYcenter2p15##Race ///  
> if sample4iobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,767

Group variable: HNDID

Number of groups	=	1,445
Obs per group:		
min	=	1
avg	=	1.9
max	=	2

Average RVI	=	0.0000
Largest FMI	=	0.0000

DF adjustment: Large sample

DF:	min	=	1.44e+64
	avg	=	3.41e+67
	max	=	.

Model F test: Equal FMI

F( 15, 4.6e+66)	=	5.71
Prob > F	=	0.0000

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0206255	.0155456	-1.33	0.185	-.0510943 .0098433
w1Agecent48	-.0050583	.0035136	-1.44	0.150	-.0119448 .0018283
c.timew1w3#c.w1Agecent48	-.0014579	.0009021	-1.62	0.106	-.003226 .0003102
timew1w3	0 (omitted)				
Sex Men	.1129467	.0665037	1.70	0.089	-.0173982 .2432915
Sex#c.timew1w3 Men	.0115567	.0169746	0.68	0.496	-.0217129 .0448263
timew1w3	0 (omitted)				
Race AfrAm	-.3811294	.0638936	-5.97	0.000	-.5063585 -.2559003
Race#c.timew1w3 AfrAm	.0137648	.0164538	0.84	0.403	-.0184841 .0460138
timew1w3	0 (omitted)				
PovStat Below	-.0778423	.0664438	-1.17	0.241	-.2080697 .0523852
PovStat#c.timew1w3 Below	-.0105364	.0166312	-0.63	0.526	-.043133 .0220602
timew1w3 invmillsmms	0 (omitted)	.0021338	0.11	0.909	-.0039385 .0044258
c.timew1w3#c.invmillsmms	-.0001444	.0004986	-0.29	0.772	-.0011217 .0008329
timew1w3 w1HCYcenter2p15	0 (omitted)	.1583318	-1.47	0.140	-.5438163 .0768328
c.timew1w3#c.w1HCYcenter2p15	-.0264902	.0430314	-0.62	0.538	-.1108302 .0578497
Race#c.w1HCYcenter2p15 AfrAm	.1746992	.1976373	0.88	0.377	-.2126627 .5620611
_cons	9.01298	.0588295	153.21	0.000	8.897677 9.128284

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.0675953	.0559211	.0133575 .3420653
sd(_cons)	.7120314	.0677421	.5909035 .8579891
corr(timew1w3,_cons)	-.2017227	.2438779	-.6061389 .2855732
sd(Residual)	.9514779	.046275	.8649692 1.046639

717 .  
 718 . mi estimate: mixed LnTrailsAttestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Pc  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4jobs==1 || HNDID: timew1w3

Multiple-imputation estimates	Imputations =	5
Mixed-effects ML regression	Number of obs =	2,701
Group variable: HNDID	Number of groups =	1,428
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	0.0000
	Largest FMI =	0.0000
DF adjustment: Large sample	DF: min =	.
	avg =	.
	max =	.
Model F test: Equal FMI	F( 15, .) =	24.88
	Prob > F =	0.0000

LnTrailsAttestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0007324	.004072	0.18	0.857	-.0072486 .0087133
w1Agecent48	.0102974	.0010667	9.65	0.000	.0082067 .0123881
c.timew1w3##c.w1Agecent48	.0007534	.0002374	3.17	0.002	.0002881 .0012187
timew1w3	0 (omitted)				
Sex					
Men	.0846959	.0202505	4.18	0.000	.0450057 .1243861
Sex#c.timew1w3	.0019144	.0044908	0.43	0.670	-.0068875 .0107163
Men					
timew1w3	0 (omitted)				
Race					
AfrAm	.1816919	.0193665	9.38	0.000	.1437343 .2196495
Race#c.timew1w3	.0007235	.0043238	0.17	0.867	-.007751 .009198
AfrAm					
timew1w3	0 (omitted)				
PovStat					
Below	.0933662	.0201802	4.63	0.000	.0538137 .1329186
PovStat#c.timew1w3	.0044969	.0043851	1.03	0.305	-.0040976 .0130915
Below					
timew1w3	0 (omitted)				
invmillsmms	.0003747	.0006351	0.59	0.555	-.00087 .0016194
c.timew1w3##c.invmillsmms	-.0001508	.0001286	-1.17	0.241	-.0004028 .0001013
timew1w3	0 (omitted)				
w1HCYcenter2p15	.0607639	.047926	1.27	0.205	-.0331694 .1546972
c.timew1w3##c.w1HCYcenter2p15	-.0121529	.0112825	-1.08	0.281	-.0342662 .0099605

Race#c.w1HCYcenter2p15 AfrAm	.0662851	.0599675	1.11	0.269	-.0512491	.1838193
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	.0061536	.0137497	0.45	0.654	-.0207953	.0331025
_cons	3.280038	.0177953	184.32	0.000	3.24516	3.314916

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Independent					
sd(timew1w3)	.0253851	.0055243	.0165708	.038888	
sd(_cons)	.2657034	.0078518	.2507513	.2815471	
sd(Residual)	.2355864	.0078286	.2207316	.2514409	

719 .

720 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Pc  
> c.timew1w3##c.w1HCYcenter2p15##Race ///  
> if sample4kobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,609
Group variable: HNDID	Number of groups	=	1,414
	Obs per group:		
	min	=	1
	avg	=	1.8
	max	=	2
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF:	min	= .
		avg	= .
		max	= .
Model F test: Equal FMI	F( 15, .)	=	28.71
	Prob > F	=	0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0022697	.0060861	0.37	0.709	-.0096588 .0141982
w1Agecent48	.0169148	.0018708	9.04	0.000	.0132481 .0205814
c.timew1w3##c.w1Agecent48	.0005543	.0003584	1.55	0.122	-.0001482 .0012567
timew1w3	0 (omitted)				
Sex					
Men	.0485937	.0355193	1.37	0.171	-.0210228 .1182102
Sex#c.timew1w3					
Men	-.0033559	.0068021	-0.49	0.622	-.0166877 .009976
timew1w3	0 (omitted)				
Race					
AfrAm	.4028839	.0339797	11.86	0.000	.3362849 .4694829
Race#c.timew1w3					
AfrAm	.001979	.006532	0.30	0.762	-.0108235 .0147814

	timew1w3	0 (omitted)					
PovStat Below		.2356387	.0353856	6.66	0.000	.1662841	.3049932
PovStat#c.timew1w3 Below		.0056554	.0067001	0.84	0.399	-.0074766	.0187874
timew1w3 invmillsmms		0 (omitted) -.0024515	.0011118	-2.20	0.027	-.0046307	-.0002724
c.timew1w3#c.invmillsmms		-.0005653	.000491	-1.15	0.250	-.0015275	.000397
timew1w3 w1HCYcenter2p15		0 (omitted) .0842894	.0841665	1.00	0.317	-.080674	.2492528
c.timew1w3#c.w1HCYcenter2p15		-.0021654	.0166148	-0.13	0.896	-.0347298	.0303989
Race#c.w1HCYcenter2p15 AfrAm		.0524857	.1052943	0.50	0.618	-.1538874	.2588588
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm		.017917	.0203631	0.88	0.379	-.021994	.057828
_cons		4.236864	.0312538	135.56	0.000	4.175608	4.29812

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.0686189	.0111273	.0499358 .0942921
sd(_cons)	.5518066	.0195957	.5147059 .5915817
corr(timew1w3,_cons)	-.433487	.0451401	-.5176523 -.3410124
sd(Residual)	.2860869	.0277228	.2365994 .3459253

```

721 .
722 .
723 . save, replace
      file finaldata_imputed_FINAL.dta saved

724 .
725 .
726 . //MODEL 2: MODEL 1 + OTHER FACTORS + BODY MASS INDEX///
727 .
728 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4aobs==1 || HNDID: timew1w3, cov(un)

```

Multiple-imputation estimates                    Imputations = 5  
 Mixed-effects ML regression                    Number of obs = 2,653

Group variable: HNDID

	Number of groups =	1,430
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	.
	Largest FMI =	.
DF adjustment:	Large sample	DF: min = 0.00
		avg = .
		max = .
Model F test:	Equal FMI	F( 29,71380.8) = 35.90
		Prob > F = 0.0000

MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0890563	.0483358	1.84	0.065	-.0057044 .1838169
w1Agecent48	-.016995	.005198	-3.27	0.001	-.027184 -.0068061
c.timew1w3#c.w1Agecent48	-.0031212	.0011868	-2.63	0.009	-.0054475 -.0007949
timew1w3	0 (omitted)				
Sex					
Men	-.3376436	.0973467	-3.47	0.001	-.5284397 -.1468475
Sex#c.timew1w3					
Men	.0234795	.0223538	1.05	0.294	-.0203338 .0672928
timew1w3	0 (omitted)				
Race					
AfrAm	-.2202666	.0967299	-2.28	0.023	-.4098628 -.0306704
Race#c.timew1w3					
AfrAm	-.0205894	.0224545	-0.92	0.359	-.064601 .0234221
timew1w3	0 (omitted)				
PovStat					
Below	-.0666115	.0991412	-0.67	0.502	-.260925 .1277019
PovStat#c.timew1w3					
Below	-.0280893	.0223837	-1.25	0.210	-.0719607 .015782
timew1w3	0 (omitted)				
w1edubr					
2	.5072507	.1984433	2.56	0.011	.1182547 .8962466
3	.6990962	.2165549	3.23	0.001	.2745237 1.123669
w1edubr#c.timew1w3					
2	-.0630385	.0460174	-1.37	0.171	-.1532456 .0271687
3	-.0639354	.0499692	-1.28	0.201	-.1619133 .0340426
timew1w3	0 (omitted)				
w1WRATtotalcent42	.1462946	.0067428	21.70	0.000	.1330778 .1595114
c.timew1w3#c.w1WRATtotalcent42	-.0077837	.0016845	-4.62	0.000	-.011086 -.0044815
timew1w3	0 (omitted)				
1.w1smoke	.0343893	.1050872	0.33	0.744	-.1717982 .2405767

w1smoke#c.timew1w3							
1	<b>-.0535259</b>	<b>.0241635</b>	<b>-2.22</b>	<b>0.027</b>	<b>-.1008861</b>	<b>-.0061657</b>	
timew1w3	0	(omitted)					
1.w1currdrugs	<b>-.1016962</b>	<b>.1344463</b>	<b>-0.76</b>	<b>0.451</b>	<b>-.3673717</b>	<b>.1639793</b>	
w1currdrugs#c.timew1w3							
1	<b>.0199268</b>	<b>.0295502</b>	<b>0.67</b>	<b>0.500</b>	<b>-.0380895</b>	<b>.0779432</b>	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	<b>-.0039652</b>	<b>.004794</b>	<b>-0.83</b>	<b>0.412</b>	<b>-.0135678</b>	<b>.0056375</b>	
c.timew1w3#c.w1hei2010_total_scorecent43							
	<b>.0004896</b>	<b>.0011696</b>	<b>0.42</b>	<b>0.677</b>	<b>-.001853</b>	<b>.0028322</b>	
timew1w3	0	(omitted)					
w1BMIcon30	<b>-.0062318</b>	<b>.0063978</b>	<b>-0.97</b>	<b>0.330</b>	<b>-.0187717</b>	<b>.006308</b>	
c.timew1w3#c.w1BMIcon30							
	<b>-.0001867</b>	<b>.0014424</b>	<b>-0.13</b>	<b>0.897</b>	<b>-.0030139</b>	<b>.0026404</b>	
timew1w3	0	(omitted)					
invmillsmms	<b>.0078665</b>	<b>.0029752</b>	<b>2.64</b>	<b>0.008</b>	<b>.0020353</b>	<b>.0136977</b>	
c.timew1w3#c.invmillsmms							
	<b>-.0018911</b>	<b>.000617</b>	<b>-3.07</b>	<b>0.002</b>	<b>-.0031004</b>	<b>-.0006819</b>	
timew1w3	0	(omitted)					
w1HCYcenter2p15	<b>.2323526</b>	<b>.2287026</b>	<b>1.02</b>	<b>0.310</b>	<b>-.2158977</b>	<b>.6806029</b>	
c.timew1w3#c.w1HCYcenter2p15							
	<b>-.0314223</b>	<b>.0547196</b>	<b>-0.57</b>	<b>0.566</b>	<b>-.1386713</b>	<b>.0758267</b>	
Race#c.w1HCYcenter2p15							
AfrAm	<b>-.3866831</b>	<b>.2833649</b>	<b>-1.36</b>	<b>0.172</b>	<b>-.9420682</b>	<b>.1687019</b>	
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm	<b>.0416139</b>	<b>.0668059</b>	<b>0.62</b>	<b>0.533</b>	<b>-.0893232</b>	<b>.1725511</b>	
_cons	<b>27.46501</b>	<b>.2061226</b>	<b>133.25</b>	<b>0.000</b>	<b>27.06097</b>	<b>27.86905</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.0938776</b>	.	.
sd(_cons)	<b>1.203305</b>	.	.
corr(timew1w3,_cons)	<b>-1</b>	.	.
sd(Residual)	<b>1.184554</b>	.	.

729 .  
730 .

731 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4aobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
 Number of obs = 2,653  
 Number of groups = 1,430  
 Obs per group:  
 min = 1  
 avg = 1.9  
 max = 2  
 Average RVI = .  
 Largest FMI = .  
 DF: min = 0.00  
 avg = .  
 max = .  
 F( 29, 73760.9) = 32.38  
 Prob > F = 0.0000

	MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.3783057	.39092	0.97	0.333	-.3879605	1.144572
w1Agecent48	-.1523009	.0395067	-3.86	0.000	-.2297407	-.074861
c.timew1w3#c.w1Agecent48	-.0246917	.0096317	-2.56	0.010	-.0435719	-.0058115
timew1w3	0 (omitted)					
Sex						
Men	-1.946022	.7396308	-2.63	0.009	-3.395673	-.4963713
Sex#c.timew1w3	.1171445	.1815269	0.65	0.519	-.2386504	.4729394
Men						
timew1w3	0 (omitted)					
Race						
AfrAm	-3.32412	.733501	-4.53	0.000	-4.761789	-1.886452
Race#c.timew1w3	.0076578	.1821583	0.04	0.966	-.3493731	.3646887
AfrAm						
timew1w3	0 (omitted)					
PovStat						
Below	-.680055	.7538868	-0.90	0.367	-2.15765	.7975404
PovStat#c.timew1w3	-.2609822	.1816175	-1.44	0.151	-.6169471	.0949828
Below						
timew1w3	0 (omitted)					
w1edubr						
2	3.884389	1.501495	2.59	0.010	.9413778	6.827399
3	6.102431	1.638585	3.72	0.000	2.890354	9.314508
w1edubr#c.timew1w3						
2	-.5058139	.3725977	-1.36	0.175	-1.236142	.2245143
3	-.4120458	.4039319	-1.02	0.308	-1.203919	.3798275

	timew1w3	0	(omitted)				
w1WRATtotalcent42		.9564467	.0511704	18.69	0.000	.856149	1.056744
c.timew1w3#c.w1WRATtotalcent42		-.0332291	.0137641	-2.41	0.016	-.0602132	-.006245
	timew1w3	0	(omitted)				
1.w1smoke		-.3920618	.796213	-0.49	0.622	-1.953747	1.169624
w1smoke#c.timew1w3							
1		-.2960435	.1954783	-1.51	0.130	-.6791741	.0870871
	timew1w3	0	(omitted)				
1.w1currdrugs		-.1856485	1.006782	-0.18	0.854	-2.169952	1.798655
w1currdrugs#c.timew1w3							
1		.0849637	.2440663	0.35	0.728	-.395158	.5650854
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		-.0170804	.0355437	-0.48	0.632	-.0877837	.0536229
c.timew1w3#c.w1hei2010_total_scorecent43		.0051199	.0097177	0.53	0.601	-.0144594	.0246992
	timew1w3	0	(omitted)				
w1BMIcon30		-.0515191	.0483589	-1.07	0.287	-.1463008	.0432627
c.timew1w3#c.w1BMIcon30							
	timew1w3	0	(omitted)				
invmillsmms		.0441613	.0226182	1.95	0.051	-.0001697	.0884922
c.timew1w3#c.invmillsmms							
	timew1w3	0	(omitted)				
w1HCYcenter2p15		1.672435	1.736087	0.96	0.335	-1.730239	5.075108
c.timew1w3#c.w1HCYcenter2p15							
Race#c.w1HCYcenter2p15							
AfrAm		-.3405328	.4448103	-0.77	0.444	-1.212346	.5312808
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm							
_cons		75.23797	1.565426	48.06	0.000	72.1695	78.30644

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.3885428	.	.
sd(_cons)	8.283839	.	.
corr(timew1w3,_cons)	-1	.	.
sd(Residual)	9.808619	.	.

```

732 .
733 .
734 .
735 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4bobs==1 || HNDID: timew1w3

```

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5  
 Number of obs = 2,464

Group variable: HNDID

Number of groups = 1,420  
 Obs per group:

min	=	1
avg	=	1.7
max	=	2

Average RVI = 0.0374  
 Largest FMI = 0.3828

DF adjustment: Large sample

DF: min = 33.26  
 avg = 3760178.43  
 max = 4.96e+07

Model F test: Equal FMI

F( 29, 66946.9) = 54.08  
 Prob > F = 0.0000

	cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		-1.146368	.1537119	-7.46	0.000	-1.447645 -.8450899
w1Agecent48		-.1589224	.0188506	-8.43	0.000	-.19587 -.1219748
c.timew1w3##c.w1Agecent48		-.0056657	.0040688	-1.39	0.164	-.0136404 .0023091
timew1w3		0	(omitted)			
Sex						
Men		-2.275289	.3549583	-6.41	0.000	-2.970995 -1.579584
Sex##c.timew1w3						
Men		-.1769932	.0769129	-2.30	0.021	-.3277398 -.0262465
timew1w3		0	(omitted)			
Race						
AfrAm		-1.923664	.3537965	-5.44	0.000	-2.617158 -1.230171
Race##c.timew1w3						
AfrAm		.0856735	.0771503	1.11	0.267	-.0655665 .2369134
timew1w3		0	(omitted)			
PovStat						
Below		-.3338506	.3597054	-0.93	0.353	-1.038871 .37117
PovStat##c.timew1w3						
Below		-.0494977	.0759783	-0.65	0.515	-.1984147 .0994194
timew1w3		0	(omitted)			
w1edubr						
2		-.2957824	.705451	-0.42	0.675	-1.679214 1.08765
3		1.947273	.7671949	2.54	0.011	.4429598 3.451587
w1edubr##c.timew1w3						

	2	.0870165	.1449034	0.60	0.548	-.1970141	.3710471
	3	-.0580889	.1593394	-0.36	0.715	-.3704019	.2542242
	timew1w3	0	(omitted)				
w1WRATtotalcent42		.2366835	.0241425	9.80	0.000	.1893639	.284003
c.timew1w3#c.w1WRATtotalcent42		-.0046857	.0051495	-0.91	0.363	-.0147792	.0054077
	timew1w3	0	(omitted)				
1.w1smoke		-.0834462	.3826862	-0.22	0.828	-.836803	.6699107
w1smoke#c.timew1w3							
1		-.0343964	.0884875	-0.39	0.698	-.2090147	.140222
	timew1w3	0	(omitted)				
1.w1currdrugs		-.6872795	.4419795	-1.56	0.120	-1.553938	.1793788
w1currdrugs#c.timew1w3							
1		.1114045	.098736	1.13	0.259	-.0823106	.3051195
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		.0274426	.0182238	1.51	0.142	-.0096231	.0645083
c.timew1w3#c.w1hei2010_total_scorecent43		-.0027969	.0038801	-0.72	0.472	-.0104771	.0048833
	timew1w3	0	(omitted)				
w1BMIcon30		.0048087	.0231343	0.21	0.835	-.0405351	.0501524
c.timew1w3#c.w1BMIcon30		-.0034546	.0049157	-0.70	0.482	-.0130892	.0061801
	timew1w3	0	(omitted)				
invmillsmms		.0158616	.0103773	1.53	0.126	-.0044775	.0362007
c.timew1w3#c.invmillsmms							
	timew1w3	0	(omitted)				
w1HCYcenter2p15		.0798128	.8448375	0.09	0.925	-1.576038	1.735664
c.timew1w3#c.w1HCYcenter2p15		-.1108211	.1944243	-0.57	0.569	-.4918857	.2702436
Race#c.w1HCYcenter2p15							
AfrAm		1.738093	1.035863	1.68	0.093	-.2921613	3.768347
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm		.0153044	.2303862	0.07	0.947	-.4362443	.4668531
_cons		26.44774	.7320351	36.13	0.000	25.01277	27.88272

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Independent					
sd(timew1w3)	.3512373	.1019135	.1988867	.620291	
sd(_cons)	4.410773	.1300806	4.163048	4.673239	
sd(Residual)	3.678665	.130733	3.43115	3.944034	

```

736 .
737 .
738 .
739 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4cobs==1 || HNDID:

Multiple-imputation estimates
Mixed-effects ML regression

Imputations      =      5
Number of obs    =  2,339

Group variable: HNDID
Number of groups = 1,391
Obs per group:
min = 1
avg = 1.7
max = 2
Average RVI      = 0.0696
Largest FMI      = 0.3027

DF adjustment: Large sample
DF: min = 52.31
      avg = 2490497.47
      max = 5.68e+07

Model F test: Equal FMI
F( 29, 21478.9) = 33.51
Prob > F          = 0.0000

```

	CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		-.3342725	.074183	-4.51	0.000	-.479673 -.188872
w1Agecent48		-.0839035	.0090787	-9.24	0.000	-.1016978 -.0661092
c.timew1w3#c.w1Agecent48		-.003498	.0020111	-1.74	0.082	-.0074401 .000444
timew1w3		0	(omitted)			
Sex						
Men		-.9865243	.1709699	-5.77	0.000	-1.32162 -.6514287
Sex#c.timew1w3						
Men		-.052664	.0373862	-1.41	0.159	-.1259403 .0206122
timew1w3		0	(omitted)			
Race						
AfrAm		-1.19225	.1700696	-7.01	0.000	-1.525625 -.8588756
Race#c.timew1w3						
AfrAm		.0198083	.037318	0.53	0.596	-.0533383 .0929548
timew1w3		0	(omitted)			
PovStat						
Below		-.0418515	.1739344	-0.24	0.810	-.3827841 .2990811
PovStat#c.timew1w3						
Below		-.0374889	.0368838	-1.02	0.309	-.1097807 .0348029
timew1w3		0	(omitted)			
w1edubr						
2		-.1294307	.3395441	-0.38	0.703	-.7951514 .53629
3		.6097755	.3683257	1.66	0.098	-.1122187 1.33177
w1edubr#c.timew1w3						

	2	<b>- .0043711</b>	.0699637	<b>-0.06</b>	0.950	<b>-.1415134</b>	.1327713
	3	<b>.0005016</b>	.0770836	<b>0.01</b>	0.995	<b>-.1505863</b>	.1515896
	timew1w3	<b>0</b>	(omitted)				
	w1WRATTtotalcent42	<b>.0996057</b>	.0117273	<b>8.49</b>	0.000	<b>.0766176</b>	.1225938
c.timew1w3#c.w1WRATTtotalcent42		<b>-.0037681</b>	.0024897	<b>-1.51</b>	0.130	<b>-.0086479</b>	.0011117
	timew1w3	<b>0</b>	(omitted)				
	1.w1smoke	<b>-.0235786</b>	.197686	<b>-0.12</b>	0.905	<b>-.4169291</b>	.369772
	w1smoke#c.timew1w3						
	1	<b>-.0235149</b>	.0458809	<b>-0.51</b>	0.610	<b>-.1151288</b>	.068099
	timew1w3	<b>0</b>	(omitted)				
	1.w1currdrugs	<b>-.2897831</b>	.229281	<b>-1.26</b>	0.208	<b>-.7424061</b>	.1628398
	w1currdrugs#c.timew1w3						
	1	<b>-.0209398</b>	.0515649	<b>-0.41</b>	0.685	<b>-.1230697</b>	.0811902
	timew1w3	<b>0</b>	(omitted)				
	w1hei2010_total_scorecent43	<b>.0078553</b>	.008476	<b>0.93</b>	0.358	<b>-.0091505</b>	.0248612
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0001058</b>	.0019802	<b>-0.05</b>	0.958	<b>-.0040555</b>	.0038439
	timew1w3	<b>0</b>	(omitted)				
	w1BMIcon30	<b>.0230107</b>	.011173	<b>2.06</b>	0.039	<b>.0011107</b>	.0449107
c.timew1w3#c.w1BMIcon30		<b>-.0023488</b>	.0024181	<b>-0.97</b>	0.331	<b>-.0070885</b>	.0023909
	timew1w3	<b>0</b>	(omitted)				
	invmillsmms	<b>.0073115</b>	.0049378	<b>1.48</b>	0.139	<b>-.0023665</b>	.0169895
c.timew1w3#c.invmillsmms		<b>-.0004479</b>	.0009434	<b>-0.47</b>	0.635	<b>-.002297</b>	.0014012
	timew1w3	<b>0</b>	(omitted)				
	w1HCYcenter2p15	<b>.4437275</b>	.4049078	<b>1.10</b>	0.273	<b>-.3498776</b>	1.237333
c.timew1w3#c.w1HCYcenter2p15		<b>-.0449645</b>	.096352	<b>-0.47</b>	0.641	<b>-.2338111</b>	.1438821
Race#c.w1HCYcenter2p15							
AfrAm		<b>.1564141</b>	.4986751	<b>0.31</b>	0.754	<b>-.8209711</b>	1.133799
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm		<b>.0549673</b>	.1134995	<b>0.48</b>	0.628	<b>-.1674875</b>	.2774222
	_cons	<b>8.343925</b>	.3539737	<b>23.57</b>	0.000	<b>7.650054</b>	<b>9.037796</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Identity					
sd(_cons)	<b>2.013973</b>	.0633371	<b>1.893583</b>	<b>2.142018</b>	
sd(Residual)	<b>1.825218</b>	.0422335	<b>1.74429</b>	<b>1.9099</b>	

```

740 .
741 .
742 .
743 . mi estimate: mixed BVRTot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIconcen
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4dobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates           Imputations      =       5
Mixed-effects ML regression            Number of obs   =  2,751

Group variable: HNDID                Number of groups = 1,443
                                         Obs per group:
                                         min =        1
                                         avg =      1.9
                                         max =        2
                                         Average RVI = 0.0348
                                         Largest FMI = 0.2837
DF adjustment: Large sample          DF:    min = 59.21
                                         avg = 2412827.79
                                         max = 2.83e+07
Model F test: Equal FMI             F( 29, 72640.4) = 29.19
                                         Prob > F = 0.0000

```

	BVRTot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.4003042	.1124001	3.56	0.000	.1800019	.6206064
w1Agecent48	.1240457	.0135977	9.12	0.000	.0973931	.1506983
c.timew1w3##c.w1Agecent48	.0073598	.0028907	2.55	0.011	.0016939	.0130256
timew1w3	0	(omitted)				
Sex						
Men	-1.102988	.2556584	-4.31	0.000	-1.604072	-.6019036
Sex##c.timew1w3						
Men	.0589316	.05393	1.09	0.275	-.0467696	.1646327
timew1w3	0	(omitted)				
Race						
AfrAm	.5081578	.2513856	2.02	0.043	.0154491	1.000866
Race##c.timew1w3						
AfrAm	.1411495	.053747	2.63	0.009	.0358057	.2464932
timew1w3	0	(omitted)				
PovStat						
Below	.3489222	.2604724	1.34	0.180	-.1615989	.8594434
PovStat##c.timew1w3						
Below	.0552705	.0543661	1.02	0.309	-.0512853	.1618263
timew1w3	0	(omitted)				
w1edubr						
2	-.7143026	.5170767	-1.38	0.167	-1.727923	.2993175
3	-1.618322	.5654326	-2.86	0.004	-2.726952	-.5096918
w1edubr##c.timew1w3						

	2	<b>- .1413425</b>	<b>.1072229</b>	<b>-1.32</b>	<b>0.187</b>	<b>-.3514989</b>	<b>.0688139</b>
	3	<b>-.1169902</b>	<b>.116822</b>	<b>-1.00</b>	<b>0.317</b>	<b>-.3459595</b>	<b>.1119791</b>
	timew1w3	<b>0</b>	(omitted)				
	w1WRATtotalcent42	<b>-.1570732</b>	<b>.0177194</b>	<b>-8.86</b>	<b>0.000</b>	<b>-.1918133</b>	<b>-.1223331</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0045742</b>	<b>.0037016</b>	<b>-1.24</b>	<b>0.217</b>	<b>-.0118294</b>	<b>.002681</b>
	timew1w3	<b>0</b>	(omitted)				
	1.w1smoke	<b>.3868294</b>	<b>.2783176</b>	<b>1.39</b>	<b>0.166</b>	<b>-.1607216</b>	<b>.9343804</b>
	w1smoke#c.timew1w3						
	1	<b>-.0363661</b>	<b>.058909</b>	<b>-0.62</b>	<b>0.537</b>	<b>-.1518334</b>	<b>.0791011</b>
	timew1w3	<b>0</b>	(omitted)				
	1.w1currdrugs	<b>-.1604012</b>	<b>.3714119</b>	<b>-0.43</b>	<b>0.667</b>	<b>-.9035389</b>	<b>.5827364</b>
	w1currdrugs#c.timew1w3						
	1	<b>.1059199</b>	<b>.0721782</b>	<b>1.47</b>	<b>0.143</b>	<b>-.0357122</b>	<b>.247552</b>
	timew1w3	<b>0</b>	(omitted)				
w1hei2010_total_scorecent43		<b>-.0071029</b>	<b>.0113759</b>	<b>-0.62</b>	<b>0.534</b>	<b>-.0296222</b>	<b>.0154165</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0032472</b>	<b>.0027009</b>	<b>-1.20</b>	<b>0.232</b>	<b>-.0085966</b>	<b>.0021022</b>
	timew1w3	<b>0</b>	(omitted)				
	w1BMIcon30	<b>.0080172</b>	<b>.016702</b>	<b>0.48</b>	<b>0.631</b>	<b>-.0247191</b>	<b>.0407535</b>
c.timew1w3#c.w1BMIcon30		<b>-.0044696</b>	<b>.0035415</b>	<b>-1.26</b>	<b>0.207</b>	<b>-.0114109</b>	<b>.0024716</b>
	timew1w3	<b>0</b>	(omitted)				
	invmillsmms	<b>-.0156274</b>	<b>.0078264</b>	<b>-2.00</b>	<b>0.046</b>	<b>-.0309668</b>	<b>-.0002879</b>
c.timew1w3#c.invmillsmms		<b>-.000018</b>	<b>.0015473</b>	<b>-0.01</b>	<b>0.991</b>	<b>-.0030508</b>	<b>.0030147</b>
	timew1w3	<b>0</b>	(omitted)				
	w1HCYcenter2p15	<b>.4467294</b>	<b>.599473</b>	<b>0.75</b>	<b>0.456</b>	<b>-.7282171</b>	<b>1.621676</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0090709</b>	<b>.1320195</b>	<b>-0.07</b>	<b>0.945</b>	<b>-.2678245</b>	<b>.2496826</b>
Race#c.w1HCYcenter2p15							
AfrAm		<b>-.668159</b>	<b>.7413608</b>	<b>-0.90</b>	<b>0.367</b>	<b>-2.1212</b>	<b>.7848814</b>
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm		<b>.1997477</b>	<b>.1594794</b>	<b>1.25</b>	<b>0.210</b>	<b>-.1128263</b>	<b>.5123217</b>
	_cons	<b>7.44834</b>	<b>.5397888</b>	<b>13.80</b>	<b>0.000</b>	<b>6.390115</b>	<b>8.506564</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	<b>.6697148</b>	<b>.0592012</b>	<b>.5631745</b>	<b>.7964101</b>	
sd(_cons)	<b>3.966077</b>	<b>.1352138</b>	<b>3.70972</b>	<b>4.24015</b>	
corr(timew1w3,_cons)	<b>-.4726648</b>	<b>.0337299</b>	<b>-.5360698</b>	<b>-.4039568</b>	
sd(Residual)	<b>1.940472</b>	<b>.2016036</b>	<b>1.582962</b>	<b>2.378725</b>	

744 .  
 745 .  
 746 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4eobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5  
 Number of obs = 2,486

Group variable: HNDID

Number of groups = 1,418  
 Obs per group:  
 min = 1  
 avg = 1.8  
 max = 2  
 Average RVI = 0.0203  
 Largest FMI = 0.2049

DF adjustment: Large sample

DF: min = 110.16  
 avg = 6.61e+07  
 max = 2.11e+09

Model F test: Equal FMI

F( 29, 205311.3) = 13.81  
 Prob > F = 0.0000

	Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3		<b>- .0280911</b>	.0574256	<b>-0.49</b>	<b>0.625</b>	<b>-.1406493</b> <b>.0844672</b>
w1Agecent48		<b>- .0148261</b>	.0063719	<b>-2.33</b>	<b>0.020</b>	<b>-.0273149</b> <b>-.0023374</b>
c.timew1w3#c.w1Agecent48		<b>- .0027093</b>	.0014512	<b>-1.87</b>	<b>0.062</b>	<b>-.0055536</b> <b>.000135</b>
timew1w3		0	(omitted)			
Sex						
Men		<b>-.2610667</b>	.1216512	<b>-2.15</b>	<b>0.032</b>	<b>-.4994989</b> <b>-.0226345</b>
Sex#c.timew1w3						
Men		<b>-.006778</b>	.0274879	<b>-0.25</b>	<b>0.805</b>	<b>-.0606534</b> <b>.0470973</b>
timew1w3		0	(omitted)			
Race						
AfrAm		<b>-.6689685</b>	.1198403	<b>-5.58</b>	<b>0.000</b>	<b>-.9038518</b> <b>-.4340853</b>
Race#c.timew1w3						
AfrAm		<b>.0397985</b>	.027346	<b>1.46</b>	<b>0.146</b>	<b>-.0137987</b> <b>.0933957</b>
timew1w3		0	(omitted)			
PovStat						
Below		<b>-.1491471</b>	.1228618	<b>-1.21</b>	<b>0.225</b>	<b>-.3899523</b> <b>.0916581</b>
PovStat#c.timew1w3						
Below		<b>-.0421844</b>	.0274629	<b>-1.54</b>	<b>0.125</b>	<b>-.0960108</b> <b>.011642</b>
timew1w3		0	(omitted)			
w1edubr						
2		<b>.393969</b>	.2453277	<b>1.61</b>	<b>0.108</b>	<b>-.0868809</b> <b>.8748188</b>
3		<b>.5655554</b>	.2665243	<b>2.12</b>	<b>0.034</b>	<b>.0431366</b> <b>1.087974</b>
w1edubr#c.timew1w3						
2		<b>-.0137902</b>	.0548803	<b>-0.25</b>	<b>0.802</b>	<b>-.1213623</b> <b>.093782</b>

	3	<b>- .0371458</b>	<b>.0594429</b>	<b>-0.62</b>	<b>0.532</b>	<b>-.1536556</b>	<b>.0793641</b>
	timew1w3	<b>0</b>	(omitted)				
w1WRATTtotalcent42		<b>.0733084</b>	<b>.0083391</b>	<b>8.79</b>	<b>0.000</b>	<b>.0569638</b>	<b>.089653</b>
c.timew1w3#c.w1WRATTtotalcent42		<b>.0036931</b>	<b>.0019081</b>	<b>1.94</b>	<b>0.053</b>	<b>-.0000468</b>	<b>.0074329</b>
	timew1w3	<b>0</b>	(omitted)				
1.w1smoke		<b>-.1565418</b>	<b>.1365028</b>	<b>-1.15</b>	<b>0.253</b>	<b>-.4260376</b>	<b>.112954</b>
	w1smoke#c.timew1w3	<b>1</b>					
		<b>-.0244198</b>	<b>.0300442</b>	<b>-0.81</b>	<b>0.416</b>	<b>-.083322</b>	<b>.0344825</b>
	timew1w3	<b>0</b>	(omitted)				
1.w1currdrugs		<b>.2924238</b>	<b>.1526927</b>	<b>1.92</b>	<b>0.056</b>	<b>-.0069313</b>	<b>.591779</b>
	w1currdrugs#c.timew1w3	<b>1</b>					
		<b>-.0270727</b>	<b>.035155</b>	<b>-0.77</b>	<b>0.441</b>	<b>-.0959776</b>	<b>.0418323</b>
	timew1w3	<b>0</b>	(omitted)				
w1hei2010_total_scorecent43		<b>-.0041629</b>	<b>.0056033</b>	<b>-0.74</b>	<b>0.459</b>	<b>-.0152671</b>	<b>.0069413</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0000914</b>	<b>.0012359</b>	<b>0.07</b>	<b>0.941</b>	<b>-.0023309</b>	<b>.0025137</b>
	timew1w3	<b>0</b>	(omitted)				
w1BMIcon30		<b>-.0213265</b>	<b>.0080173</b>	<b>-2.66</b>	<b>0.008</b>	<b>-.0370411</b>	<b>-.005612</b>
c.timew1w3#c.w1BMIcon30		<b>-.0002115</b>	<b>.0017944</b>	<b>-0.12</b>	<b>0.906</b>	<b>-.0037286</b>	<b>.0033055</b>
	timew1w3	<b>0</b>	(omitted)				
invmillsmms		<b>.0019259</b>	<b>.003548</b>	<b>0.54</b>	<b>0.587</b>	<b>-.005028</b>	<b>.0088799</b>
c.timew1w3#c.invmillsmms		<b>-.0006566</b>	<b>.0007327</b>	<b>-0.90</b>	<b>0.370</b>	<b>-.0020927</b>	<b>.0007795</b>
	timew1w3	<b>0</b>	(omitted)				
w1HCYcenter2p15		<b>-.3077859</b>	<b>.292321</b>	<b>-1.05</b>	<b>0.292</b>	<b>-.8807246</b>	<b>.2651529</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0060326</b>	<b>.0684421</b>	<b>-0.09</b>	<b>0.930</b>	<b>-.1401766</b>	<b>.1281115</b>
Race#c.w1HCYcenter2p15	AfrAm						
	AfrAm	<b>.3315728</b>	<b>.3600992</b>	<b>0.92</b>	<b>0.357</b>	<b>-.3742087</b>	<b>1.037354</b>
Race#c.timew1w3#c.w1HCYcenter2p15	AfrAm						
	AfrAm	<b>.0065587</b>	<b>.0830883</b>	<b>0.08</b>	<b>0.937</b>	<b>-.1562914</b>	<b>.1694087</b>
	_cons	<b>6.829554</b>	<b>.2546089</b>	<b>26.82</b>	<b>0.000</b>	<b>6.33052</b>	<b>7.328587</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	<b>.1376217</b>	<b>.0831865</b>	<b>.0420893</b>	<b>.4499898</b>	
sd(_cons)	<b>1.44116</b>	<b>.1057902</b>	<b>1.24804</b>	<b>1.664163</b>	
corr(timew1w3,_cons)	<b>-.1307004</b>	<b>.2188395</b>	<b>-.5137601</b>	<b>.2958088</b>	
sd(Residual)	<b>1.341009</b>	<b>.0979368</b>	<b>1.162162</b>	<b>1.547379</b>	

747 .  
 748 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4fobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
 Number of obs = 2,773

Number of groups = 1,446  
 Obs per group:

min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0507
Largest FMI	=	0.2630
DF: min	=	68.41
avg	=	4241660.78
max	=	1.31e+08
F( 29, 34989.5)	=	13.13
Prob > F	=	0.0000

	FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>- .0064934</b>	.1154509	-0.06	0.955	.2328724	.2198855
w1Agecent48	<b>- .0809774</b>	.015056	-5.38	0.000	-.1104878	-.0514669
c.timew1w3#c.w1Agecent48	<b>- .0022289</b>	.0029332	-0.76	0.447	-.0079778	.00352
timew1w3	0	(omitted)				
Sex						
Men	<b>1.258079</b>	.2829243	4.45	0.000	.7035559	1.812601
Sex#c.timew1w3						
Men	<b>-.0106321</b>	.0551069	-0.19	0.847	-.1186399	.0973757
timew1w3	0	(omitted)				
Race						
AfrAm	<b>-1.3037</b>	.2800769	-4.65	0.000	-1.852644	-.7547556
Race#c.timew1w3						
AfrAm	<b>-.0313802</b>	.0551459	-0.57	0.569	-.139468	.0767076
timew1w3	0	(omitted)				
PovStat						
Below	<b>-.4771203</b>	.289862	-1.65	0.100	-1.045258	.0910169
PovStat#c.timew1w3						
Below	<b>.0087391</b>	.0554302	0.16	0.875	-.0999036	.1173817
timew1w3	0	(omitted)				
w1edubr						
2	<b>-.3353056</b>	.5713013	-0.59	0.557	-1.455084	.784473
3	<b>.9482278</b>	.6197698	1.53	0.126	-.2665413	2.162997
w1edubr#c.timew1w3						
2	<b>.0857658</b>	.1103809	0.78	0.437	-.1307404	.3022721
3	<b>.0472939</b>	.1213204	0.39	0.697	-.1907071	.2852949

timew1w3	0	(omitted)				
w1WRATtotalcent42	.1595802	.0192454	8.29	0.000	.1218596	.1973008
c.timew1w3#c.w1WRATtotalcent42	.0027146	.0037507	0.72	0.469	-.0046369	.010066
timew1w3	0	(omitted)				
1.w1smoke	-.5086808	.3274229	-1.55	0.125	-1.161972	.1446107
w1smoke#c.timew1w3						
1	.0288392	.0623239	0.46	0.644	-.0935908	.1512692
timew1w3	0	(omitted)				
1.w1currdrugs	.3131667	.3842794	0.81	0.417	-.4485982	1.074932
w1currdrugs#c.timew1w3						
1	-.0218278	.071801	-0.30	0.761	-.1626331	.1189776
timew1w3	0	(omitted)				
w1hei2010_total_scorecent43	.0281756	.0127161	2.22	0.030	.0028424	.0535088
c.timew1w3#c.w1hei2010_total_scorecent43	-.0031844	.0025353	-1.26	0.209	-.0081553	.0017865
timew1w3	0	(omitted)				
w1BMIcon30	.0225021	.0188384	1.19	0.232	-.0144397	.059444
c.timew1w3#c.w1BMIcon30						
timew1w3	0	(omitted)				
invmillsmms	.0083197	.0088455	0.94	0.347	-.0090173	.0256566
c.timew1w3#c.invmillsmms						
timew1w3	0	(omitted)				
w1HCYcenter2p15	-1.427609	.6671876	-2.14	0.032	-2.735287	-.1199315
c.timew1w3#c.w1HCYcenter2p15						
Race#c.w1HCYcenter2p15						
AfrAm	2.275442	.8229097	2.77	0.006	.6625574	3.888326
Race#c.timew1w3#c.w1HCYcenter2p15						
AfrAm	-.2861184	.164559	-1.74	0.082	-.6086504	.0364135
_cons	19.27451	.5993458	32.16	0.000	18.0995	20.44952

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	.2527503	.1805901	.0623015	1.02538	
sd(_cons)	3.948132	.1690192	3.630376	4.2937	
corr(timew1w3,_cons)	-.1495608	.1532433	-.4283848	.1552684	
sd(Residual)	2.927909	.1747777	2.604623	3.29132	

749 .  
 750 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIconcen  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4gobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations = 5  
 Number of obs = 2,717

Group variable: HNDID

Number of groups = 1,443  
 Obs per group:  
 min = 1  
 avg = 1.9  
 max = 2  
 Average RVI = .  
 Largest FMI = .  
 DF: min = 0.00  
 avg = .  
 max = .

DF adjustment: Large sample

F( 29, 20169.0) = 17.00  
 Prob > F = 0.0000

	DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0416777	.04497	0.93	0.354	-.0464639	.1298193
w1Agecent48	-.0085676	.005796	-1.48	0.139	-.0199278	.0027925
c.timew1w3#c.w1Agecent48	-.0031821	.0011578	-2.75	0.006	-.0054514	-.0009128
timew1w3	0 (omitted)					
Sex Men	.2028849	.1096715	1.85	0.064	-.0120705	.4178402
Sex#c.timew1w3 Men	-.0361504	.0217928	-1.66	0.097	-.0788637	.0065629
timew1w3	0 (omitted)					
Race AfrAm	-.2753306	.1088776	-2.53	0.011	-.4887656	-.0618956
Race#c.timew1w3 AfrAm	-.0128438	.0216668	-0.59	0.553	-.0553104	.0296227
timew1w3	0 (omitted)					
PovStat Below	-.1083513	.1118901	-0.97	0.333	-.3276741	.1109715
PovStat#c.timew1w3 Below	-.0240338	.0218291	-1.10	0.271	-.0668189	.0187513
timew1w3	0 (omitted)					
w1edubr 2	-.0945554	.2212725	-0.43	0.669	-.5282531	.3391422
3	.1952374	.2401501	0.81	0.416	-.2754766	.6659515
w1edubr#c.timew1w3 2	-.0024036	.0424701	-0.06	0.955	-.0856437	.0808365
3	-.0215093	.0465928	-0.46	0.644	-.1128321	.0698136

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.113259	.0074914	15.12	0.000	.0985746	.1279434
c.timew1w3#c.w1WRATtotalcent42		.0001978	.0014851	0.13	0.894	-.002713	.0031086
	timew1w3	0	(omitted)				
	1.w1smoke	.1711638	.121832	1.40	0.163	-.0701134	.4124409
w1smoke#c.timew1w3		- .0150107	.0244169	-0.61	0.539	-.0629459	.0329246
	timew1w3	0	(omitted)				
	1.w1currdrugs	.4011311	.1760751	2.28	0.033	.0357714	.7664908
w1currdrugs#c.timew1w3		- .0090223	.029635	-0.30	0.761	-.0673207	.049276
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	.0021634	.0046758	0.46	0.644	-.0070543	.0113812
c.timew1w3#c.w1hei2010_total_scorecent43		.0000292	.0010869	0.03	0.979	-.002122	.0021804
	timew1w3	0	(omitted)				
	w1BMIcon30	-.0111557	.0073356	-1.52	0.129	-.0255474	.003236
c.timew1w3#c.w1BMIcon30		-.0014485	.0014245	-1.02	0.309	-.0042409	.0013438
	timew1w3	0	(omitted)				
	invmillsmms	.0057912	.0033971	1.70	0.088	-.000867	.0124493
c.timew1w3#c.invmillsmms		-.0005465	.0006153	-0.89	0.374	-.0017525	.0006595
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.1551546	.2579806	-0.60	0.548	-.6607924	.3504833
c.timew1w3#c.w1HCYcenter2p15		.0205445	.0547229	0.38	0.707	-.0867116	.1278005
Race#c.w1HCYcenter2p15							
AfrAm		.1702775	.3184978	0.53	0.593	-.4539677	.7945227
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm		-.068163	.0657288	-1.04	0.300	-.1969899	.060664
_cons		7.189178	.2307476	31.16	0.000	6.736899	7.641457

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
<b>HNDID: Unstructured</b>			
sd(timew1w3)	.0178259	.	.
sd(_cons)	1.476409	.	.
corr(timew1w3,_cons)	.9999939	.	.
sd(Residual)	1.191799	.	.

751 .

752 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIconcen  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4hobs==1 || HNDID: timew1w3

Multiple-imputation estimates	Imputations = 5
Mixed-effects ML regression	Number of obs = 2,704
Group variable: HNDID	Number of groups = 1,444
	Obs per group:
	min = 1
	avg = 1.9
	max = 2
DF adjustment: Large sample	Average RVI = 0.0510
	Largest FMI = 0.3082
	DF: min = 50.54
	avg = 7435037.02
	max = 2.05e+08
Model F test: Equal FMI	F( 29, 36248.7) = 24.04
	Prob > F = 0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>- .0305606</b>	<b>.0469798</b>	<b>-0.65</b>	<b>0.515</b>	<b>-.1226532</b> <b>.0615321</b>
w1Agecent48	<b>- .016992</b>	<b>.0056369</b>	<b>-3.01</b>	<b>0.003</b>	<b>-.0280413</b> <b>-.0059427</b>
c.timew1w3##c.w1Agecent48	<b>- .0008674</b>	<b>.0011973</b>	<b>-0.72</b>	<b>0.469</b>	<b>-.0032141</b> <b>.0014793</b>
timew1w3	<b>0</b> (omitted)				
Sex					
Men	<b>-.0191382</b>	<b>.1061198</b>	<b>-0.18</b>	<b>0.857</b>	<b>-.2271316</b> <b>.1888552</b>
Sex##c.timew1w3					
Men	<b>-.0276441</b>	<b>.0226029</b>	<b>-1.22</b>	<b>0.221</b>	<b>-.0719452</b> <b>.0166571</b>
timew1w3	<b>0</b> (omitted)				
Race					
AfrAm	<b>-.5358961</b>	<b>.1042811</b>	<b>-5.14</b>	<b>0.000</b>	<b>-.7402857</b> <b>-.3315064</b>
Race##c.timew1w3					
AfrAm	<b>-.025134</b>	<b>.0224708</b>	<b>-1.12</b>	<b>0.263</b>	<b>-.0691769</b> <b>.0189089</b>
timew1w3	<b>0</b> (omitted)				
PovStat					
Below	<b>-.122416</b>	<b>.1080066</b>	<b>-1.13</b>	<b>0.257</b>	<b>-.3341162</b> <b>.0892842</b>
PovStat##c.timew1w3					
Below	<b>-.0003064</b>	<b>.0225607</b>	<b>-0.01</b>	<b>0.989</b>	<b>-.0445246</b> <b>.0439117</b>
timew1w3	<b>0</b> (omitted)				
w1edubr					
2	<b>-.2173623</b>	<b>.2139563</b>	<b>-1.02</b>	<b>0.310</b>	<b>-.6367173</b> <b>.2019926</b>
3	<b>.1382365</b>	<b>.2326047</b>	<b>0.59</b>	<b>0.552</b>	<b>-.3176804</b> <b>.5941534</b>
w1edubr##c.timew1w3					
2	<b>.0566719</b>	<b>.044045</b>	<b>1.29</b>	<b>0.198</b>	<b>-.0296553</b> <b>.1429991</b>
3	<b>.0266034</b>	<b>.0482158</b>	<b>0.55</b>	<b>0.581</b>	<b>-.0678985</b> <b>.1211052</b>

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.1235962	.0072275	17.10	0.000	.1094305	.1377619
c.timew1w3#c.w1WRATtotalcent42		-.0017344	.0015474	-1.12	0.262	-.0047673	.0012986
	timew1w3	0	(omitted)				
	1.w1smoke	-.0323178	.1227345	-0.26	0.793	-.2764528	.2118172
	w1smoke#c.timew1w3						
	1	.0014371	.0276838	0.05	0.959	-.0536797	.0565538
	timew1w3	0	(omitted)				
	1.w1currdrugs	.0866967	.142206	0.61	0.543	-.1938655	.3672589
	w1currdrugs#c.timew1w3						
	1	.0247269	.0300117	0.82	0.410	-.0341831	.0836369
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	-.0005378	.005079	-0.11	0.916	-.0107365	.009661
c.timew1w3#c.w1hei2010_total_scorecent43		.0010931	.0011682	0.94	0.353	-.0012382	.0034245
	timew1w3	0	(omitted)				
	w1BMIcon30	-.0063821	.0070088	-0.91	0.363	-.0201239	.0073597
c.timew1w3#c.w1BMIcon30		-.0023859	.0014797	-1.61	0.107	-.0052867	.0005148
	timew1w3	0	(omitted)				
	invmillsmms	.0051196	.0032801	1.56	0.119	-.0013093	.0115485
c.timew1w3#c.invmillsmms		-.0004099	.0006369	-0.64	0.520	-.0016582	.0008385
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.0849229	.2479399	-0.34	0.732	-.5708802	.4010343
c.timew1w3#c.w1HCYcenter2p15		-.0226522	.0561796	-0.40	0.687	-.1327623	.0874578
Race#c.w1HCYcenter2p15	AfrAm	.0496491	.3071045	0.16	0.872	-.552265	.6515632
Race#c.timew1w3#c.w1HCYcenter2p15	AfrAm	.0534799	.0677548	0.79	0.430	-.0793174	.1862773
	_cons	5.982146	.2253106	26.55	0.000	5.540443	6.423848

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Independent					
sd(timew1w3)	1.60e-06	.0004287	4.4e-234	5.9e+221	
sd(_cons)	1.347288	.0389069	1.273149	1.425744	
sd(Residual)	1.237394	.0247432	1.189836	1.286853	

753 .

754 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4iobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,767
Group variable: HNDID		
Number of groups	=	1,445
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0326
Largest FMI	=	0.1797
DF: min	=	141.39
avg	=	6.52e+07
max	=	2.18e+09
Model F test: Equal FMI	F( 29, 81400.9)	= 7.43
	Prob > F	= 0.0000

DF adjustment: Large sample

clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>- .0639636</b>	.0363033	-1.76	0.078	-.1351275 .0072003
w1Agecent48	<b>- .0025705</b>	.0034997	-0.73	0.463	-.0094299 .0042888
c.timew1w3##c.w1Agecent48	<b>- .0017777</b>	.0009227	-1.93	0.054	-.0035862 .0000308
timew1w3	0 (omitted)				
Sex Men	<b>.0915806</b>	.0659572	1.39	0.165	-.0376932 .2208543
Sex##c.timew1w3 Men	<b>.0157597</b>	.0173421	0.91	0.363	-.0182302 .0497496
timew1w3	0 (omitted)				
Race AfrAm	<b>-.2874194</b>	.0650655	-4.42	0.000	-.4149454 -.1598934
Race##c.timew1w3 AfrAm	<b>.0126294</b>	.0172327	0.73	0.464	-.0211461 .0464049
timew1w3	0 (omitted)				
PovStat Below	<b>.0444764</b>	.0675918	0.66	0.511	-.088002 .1769548
PovStat##c.timew1w3 Below	<b>-.0043246</b>	.0174086	-0.25	0.804	-.0384449 .0297957
timew1w3	0 (omitted)				
w1edubr 2	<b>-.0342401</b>	.1364818	-0.25	0.802	-.3018079 .2333276
3	<b>.1517621</b>	.1477491	1.03	0.304	-.137868 .4413921
w1edubr##c.timew1w3 2	<b>.0434857</b>	.0345338	1.26	0.208	-.0242079 .1111793
3	<b>.0591077</b>	.0377821	1.56	0.118	-.0149536 .133169

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	.0289397	.0045562	6.35	0.000	.0200093	.0378701
c.timew1w3#c.w1WRATtotalcent42		-.0012102	.0011958	-1.01	0.312	-.0035546	.0011343
	timew1w3	0	(omitted)				
	1.w1smoke	-.0416694	.0754801	-0.55	0.582	-.1905114	.1071727
	w1smoke#c.timew1w3						
	1	.0108131	.0198281	0.55	0.586	-.0282053	.0498315
	timew1w3	0	(omitted)				
	1.w1currdrugs	.3072637	.0924134	3.32	0.001	.1245731	.4899543
	w1currdrugs#c.timew1w3						
	1	-.058045	.0227185	-2.55	0.011	-.1026105	-.0134794
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	.0022866	.0029703	0.77	0.442	-.0035499	.0081231
c.timew1w3#c.w1hei2010_total_scorecent43		.0004321	.0008337	0.52	0.605	-.0012107	.0020749
	timew1w3	0	(omitted)				
	w1BMIcon30	-.0033079	.0043433	-0.76	0.446	-.0118207	.0052049
c.timew1w3#c.w1BMIcon30		.0000552	.0011311	0.05	0.961	-.0021618	.0022722
	timew1w3	0	(omitted)				
	invmillsmms	.0003858	.0020765	0.19	0.853	-.003684	.0044556
c.timew1w3#c.invmillsmms		-.0002253	.000498	-0.45	0.651	-.0012014	.0007508
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	-.1499836	.1546906	-0.97	0.332	-.4531738	.1532066
c.timew1w3#c.w1HCYcenter2p15		-.0247853	.0431748	-0.57	0.566	-.1094066	.059836
Race#c.w1HCYcenter2p15	AfrAm	.1479021	.1921844	0.77	0.442	-.2287738	.524578
Race#c.timew1w3#c.w1HCYcenter2p15	AfrAm	-.0317535	.0519895	-0.61	0.541	-.1336514	.0701445
	_cons	8.823455	.1416587	62.29	0.000	8.545745	9.101166

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	.0553223	.0680918	.004957	.6174162	
sd(_cons)	.6420046	.0738551	.5124094	.804376	
corr(timew1w3,_cons)	-.1464069	.3699821	-.710654	.5324588	
sd(Residual)	.9573228	.0457718	.8716867	1.051372	

755 .

```
756 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4jobs==1 || HNDID: timew1w3
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,701
Group variable: HNDID		
Number of groups	=	1,428
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0333
Largest FMI	=	0.3519
DF: min	=	39.16
avg	=	2.23e+07
max	=	6.20e+08
Model F test: Equal FMI	F( 29, 81670.8)	= 16.03
	Prob > F	= 0.0000

DF adjustment: Large sample

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0117148	.0096101	1.22	0.223	-.0071238 .0305534
w1Agecent48	.0101511	.0010767	9.43	0.000	.0080408 .0122614
c.timew1w3#c.w1Agecent48	.0006866	.0002433	2.82	0.005	.0002096 .0011635
timew1w3	0 (omitted)				
Sex					
Men	.0864866	.020357	4.25	0.000	.0465876 .1263857
Sex#c.timew1w3					
Men	.0017444	.0045779	0.38	0.703	-.0072281 .0107169
timew1w3	0 (omitted)				
Race					
AfrAm	.1519851	.0200043	7.60	0.000	.1127772 .1911929
Race#c.timew1w3					
AfrAm	-.001331	.0045182	-0.29	0.768	-.0101865 .0075245
timew1w3	0 (omitted)				
PovStat					
Below	.0654149	.0207491	3.15	0.002	.0247474 .1060824
PovStat#c.timew1w3					
Below	.0011616	.004573	0.25	0.799	-.0078014 .0101246
timew1w3	0 (omitted)				
w1edubr					
2	-.0597319	.0423048	-1.41	0.158	-.1426821 .0232182
3	-.0538721	.0459105	-1.17	0.241	-.1439055 .0361613
w1edubr#c.timew1w3					
2	-.007633	.0091488	-0.83	0.404	-.0255689 .0103029
3	-.0116651	.0100047	-1.17	0.244	-.03128 .0079498

	timew1w3	0	(omitted)				
w1WRATtotalcent42		<b>-.0077654</b>	<b>.0014177</b>	<b>-5.48</b>	<b>0.000</b>	<b>-.0105441</b>	<b>-.0049866</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0005375</b>	<b>.000316</b>	<b>-1.70</b>	<b>0.089</b>	<b>-.001157</b>	<b>.0000819</b>
	timew1w3	0	(omitted)				
1.w1smoke		<b>.0024217</b>	<b>.0229438</b>	<b>0.11</b>	<b>0.916</b>	<b>-.0428876</b>	<b>.047731</b>
w1smoke#c.timew1w3							
1		<b>.0030832</b>	<b>.0050618</b>	<b>0.61</b>	<b>0.543</b>	<b>-.0068435</b>	<b>.0130099</b>
	timew1w3	0	(omitted)				
1.w1currdrugs		<b>.0515521</b>	<b>.0269204</b>	<b>1.91</b>	<b>0.056</b>	<b>-.0014105</b>	<b>.1045147</b>
w1currdrugs#c.timew1w3							
1		<b>-.0043709</b>	<b>.0060413</b>	<b>-0.72</b>	<b>0.470</b>	<b>-.0162253</b>	<b>.0074835</b>
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		<b>.0000702</b>	<b>.0010167</b>	<b>0.07</b>	<b>0.945</b>	<b>-.001986</b>	<b>.0021264</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>.0001015</b>	<b>.0002314</b>	<b>0.44</b>	<b>0.662</b>	<b>-.0003577</b>	<b>.0005606</b>
	timew1w3	0	(omitted)				
w1BMIcon30		<b>.0022205</b>	<b>.001332</b>	<b>1.67</b>	<b>0.096</b>	<b>-.0003902</b>	<b>.0048312</b>
c.timew1w3#c.w1BMIcon30		<b>-.0002278</b>	<b>.0002949</b>	<b>-0.77</b>	<b>0.440</b>	<b>-.0008058</b>	<b>.0003502</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>.0004654</b>	<b>.0006262</b>	<b>0.74</b>	<b>0.457</b>	<b>-.000762</b>	<b>.0016928</b>
c.timew1w3#c.invmillsmms		<b>-.0001459</b>	<b>.0001282</b>	<b>-1.14</b>	<b>0.255</b>	<b>-.0003972</b>	<b>.0001054</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>.0355987</b>	<b>.0474298</b>	<b>0.75</b>	<b>0.453</b>	<b>-.0573621</b>	<b>.1285595</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0128657</b>	<b>.011298</b>	<b>-1.14</b>	<b>0.255</b>	<b>-.0350094</b>	<b>.0092779</b>
Race#c.w1HCYcenter2p15							
AfrAm		<b>.0775702</b>	<b>.0590675</b>	<b>1.31</b>	<b>0.189</b>	<b>-.0382001</b>	<b>.1933404</b>
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm		<b>.0056506</b>	<b>.0137056</b>	<b>0.41</b>	<b>0.680</b>	<b>-.0212119</b>	<b>.0325131</b>
_cons		<b>3.35724</b>	<b>.0438964</b>	<b>76.48</b>	<b>0.000</b>	<b>3.271177</b>	<b>3.443302</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Independent					
sd(timew1w3)	<b>.0224603</b>	<b>.0059749</b>	<b>.0133346</b>	<b>.0378314</b>	
sd(_cons)	<b>.2556551</b>	<b>.0077721</b>	<b>.240867</b>	<b>.2713512</b>	
sd(Residual)	<b>.2375898</b>	<b>.0076331</b>	<b>.2230904</b>	<b>.2530316</b>	

757 .

```
758 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcent
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4kobs==1 || HNDID: timew1w3, cov(un)
```

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,609

Group variable: HNDID

Number of groups = 1,414  
Obs per group:

min	=	1
avg	=	1.8
max	=	2

Average RVI = 0.0452  
Largest FMI = 0.2884

DF adjustment: Large sample

DF: min = 57.37  
avg = 7405045.09  
max = 1.09e+08

Model F test: Equal FMI

F( 29, 43072.0) = 26.16  
Prob > F = 0.0000

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0091934	.014781	0.62	0.534	-.0197837 .0381704
w1Agecent48	.0156502	.0017983	8.70	0.000	.0121255 .0191749
c.timew1w3#c.w1Agecent48	.0005463	.0003673	1.49	0.137	-.0001736 .0012663
timew1w3	0 (omitted)				
Sex					
Men	.0533484	.0339308	1.57	0.116	-.0131547 .1198515
Sex#c.timew1w3					
Men	-.0047124	.0068967	-0.68	0.494	-.0182297 .0088049
timew1w3	0 (omitted)				
Race					
AfrAm	.306077	.0333785	9.17	0.000	.2406561 .3714978
Race#c.timew1w3					
AfrAm	.0001686	.0068548	0.02	0.980	-.0132667 .0136039
timew1w3	0 (omitted)				
PovStat					
Below	.1304077	.0346883	3.76	0.000	.062419 .1983963
PovStat#c.timew1w3					
Below	.0013311	.0069932	0.19	0.849	-.0123755 .0150377
timew1w3	0 (omitted)				
w1edubr					
2	-.1086457	.0697042	-1.56	0.119	-.2452709 .0279795
3	-.2069234	.0750468	-2.76	0.006	-.3540141 -.0598327
w1edubr#c.timew1w3					
2	-.0064318	.0140709	-0.46	0.648	-.0340122 .0211487
3	-.0074327	.0152457	-0.49	0.626	-.0373165 .0224511

	timew1w3	0	(omitted)				
	w1WRATtotalcent42	<b>- .0267761</b>	.002384	-11.23	0.000	-.0314488	-.0221034
c.timew1w3#c.w1WRATtotalcent42		<b>- .0001118</b>	.0005001	-0.22	0.823	-.001092	.0008685
	timew1w3	0	(omitted)				
	1.w1smoke	<b>.0033343</b>	.0384212	0.09	0.931	-.0727162	.0793848
w1smoke#c.timew1w3		<b>.0089151</b>	.0080625	1.11	0.270	-.0069699	.0248001
	timew1w3	0	(omitted)				
	1.w1currdrugs	<b>-.0039425</b>	.045959	-0.09	0.932	-.0947886	.0869036
w1currdrugs#c.timew1w3		<b>-.004053</b>	.009464	-0.43	0.669	-.0226823	.0145762
	timew1w3	0	(omitted)				
	w1hei2010_total_scorecent43	<b>.0006101</b>	.0014609	0.42	0.677	-.0022665	.0034868
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0001286</b>	.0003672	-0.35	0.727	-.0008637	.0006065
	timew1w3	0	(omitted)				
	w1BMIcon30	<b>.0017655</b>	.0022292	0.79	0.428	-.0026041	.0061352
c.timew1w3#c.w1BMIcon30		<b>-.0006095</b>	.0004493	-1.36	0.175	-.0014902	.0002711
	timew1w3	0	(omitted)				
	invmillsmms	<b>-.0022342</b>	.0010431	-2.14	0.032	-.0042786	-.0001898
c.timew1w3#c.invmillsmms		<b>-.0003256</b>	.0004705	-0.69	0.489	-.0012477	.0005965
	timew1w3	0	(omitted)				
	w1HCYcenter2p15	<b>.0052183</b>	.0791726	0.07	0.947	-.1499573	.160394
c.timew1w3#c.w1HCYcenter2p15		<b>-.0001567</b>	.0166168	-0.01	0.992	-.0327251	.0324116
Race#c.w1HCYcenter2p15	AfrAm	<b>.0886189</b>	.0985926	0.90	0.369	-.1046191	.2818568
Race#c.timew1w3#c.w1HCYcenter2p15	AfrAm	<b>.0158545</b>	.0202689	0.78	0.434	-.0238719	.0555809
	_cons	<b>4.492657</b>	.0724485	62.01	0.000	4.350653	4.634662

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	<b>.0618815</b>	.0125716	.041556	.0921485	
sd(_cons)	<b>.4968697</b>	.0210448	.4572883	.5398771	
corr(timew1w3,_cons)	<b>-.4784451</b>	.04643	-.5642059	-.38247	
sd(Residual)	<b>.3003186</b>	.0274514	.251059	.3592432	

```

759 .
760 .
761 . save, replace
    file finaldata_imputed_FINAL.dta saved

762 .
763 .
764 . //MODEL 3: FULLY ADJUSTED MODEL: MODEL 2 + HEALTH-RELATED FACTORS///
765 .
766 . mi estimate: mixed MMStot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4aobs==1 || HNDID: timew1w3

Multiple-imputation estimates
Mixed-effects ML regression
Imputations      =          5
Number of obs    =     2,653

Group variable: HNDID
Number of groups =     1,430
Obs per group:
    min =          1
    avg =        1.9
    max =          2
    Average RVI = 0.0387
    Largest FMI = 0.2993
DF adjustment: Large sample
DF:    min =      53.46
       avg = 2.06e+13
       max = 1.01e+15
Model F test: Equal FMI
F( 45,109048.1) =     24.47
Prob > F = 0.0000

```

	MMStot	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0945905	.0567793	1.67	0.096	-.0167164	.2058974
w1Agecent48	-.0191075	.0052599	-3.63	0.000	-.0294197	-.0087953
c.timew1w3#c.w1Agecent48	-.003225	.0012972	-2.49	0.013	-.005768	-.000682
timew1w3	0 (omitted)					
Sex						
Men	-.3595895	.0925268	-3.89	0.000	-.5409426	-.1782364
Sex#c.timew1w3						
Men	.0234986	.0229874	1.02	0.307	-.0215611	.0685583
timew1w3	0 (omitted)					
Race						
AfrAm	-.2449421	.0923856	-2.65	0.008	-.4260565	-.0638278
Race#c.timew1w3						
AfrAm	-.0172342	.0232205	-0.74	0.458	-.0627501	.0282818
timew1w3	0 (omitted)					
PovStat						
Below	-.0208992	.0935593	-0.22	0.823	-.2042738	.1624754
PovStat#c.timew1w3						
Below	-.0315588	.0228042	-1.38	0.166	-.0762542	.0131366

	timew1w3	0	(omitted)				
w1edubr							
2	.5146673	.1842668	2.79	0.005	.1534661	.8758685	
3	.6968039	.2012893	3.46	0.001	.3021913	1.091417	
w1edubr#c.timew1w3							
2	-.0626075	.0466993	-1.34	0.180	-.154155	.0289401	
3	-.061599	.0504313	-1.22	0.222	-.160472	.0372741	
timew1w3	0	(omitted)					
w1WRATtotalcent42	.1441856	.0063258	22.79	0.000	.1317854	.1565858	
c.timew1w3#c.w1WRATtotalcent42	-.0069665	.0017379	-4.01	0.000	-.0103736	-.0035593	
timew1w3	0	(omitted)					
1.w1smoke	.0515699	.098885	0.52	0.602	-.1425334	.2456732	
w1smoke#c.timew1w3							
1	-.055188	.0245919	-2.24	0.025	-.1033876	-.0069883	
timew1w3	0	(omitted)					
1.w1currdrugs	-.0615741	.1262668	-0.49	0.627	-.3113408	.1881927	
w1currdrugs#c.timew1w3							
1	.0173464	.0304088	0.57	0.569	-.0424261	.077119	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	-.0046047	.0044948	-1.02	0.310	-.0136176	.0044082	
c.timew1w3#c.w1hei2010_total_scorecent43	.0005241	.0011916	0.44	0.662	-.0018655	.0029136	
timew1w3	0	(omitted)					
w1BMIcon30	-.006315	.0064487	-0.98	0.327	-.0189568	.0063267	
c.timew1w3#c.w1BMIcon30	.0001707	.0015578	0.11	0.913	-.0028826	.003224	
timew1w3	0	(omitted)					
w1SRH							
2	.1747559	.1192683	1.47	0.143	-.0590058	.4085176	
3	.1022721	.1284634	0.80	0.426	-.1495142	.3540583	
w1SRH#c.timew1w3							
2	-.0072185	.0301429	-0.24	0.811	-.0662975	.0518605	
3	-.0111288	.0323717	-0.34	0.731	-.0745775	.05232	
timew1w3	0	(omitted)					
w1CEScent15	-.0071889	.0041795	-1.72	0.085	-.0153809	.0010031	
c.timew1w3#c.w1CEScent15	.0005166	.001059	0.49	0.626	-.0015593	.0025925	
timew1w3	0	(omitted)					
w1dxHTN							
Yes	.0488241	.0995946	0.49	0.624	-.146388	.2440362	
w1dxHTN#c.timew1w3							
Yes	-.0095166	.0252553	-0.38	0.706	-.0590286	.0399953	
timew1w3	0	(omitted)					
w1dxDiabetes							

	preDiabetes	<b>- .0171937</b>	.1164027	<b>-0.15</b>	0.883	<b>-.2454058</b>	.2110185
	Diabetes	<b>-.0982726</b>	.1458344	<b>-0.67</b>	0.501	<b>-.3862351</b>	.18969
w1dxDiabetes#c.timew1w3							
	preDiabetes	<b>.0307929</b>	.0288987	<b>1.07</b>	0.287	<b>-.0258489</b>	.0874346
	Diabetes	<b>-.045795</b>	.0356958	<b>-1.28</b>	0.200	<b>-.1158359</b>	.0242459
	timew1w3		<b>0</b> (omitted)				
w1CVhighChol							
	Yes	<b>.168833</b>	.1097718	<b>1.54</b>	0.125	<b>-.046728</b>	.3843939
w1CVhighChol#c.timew1w3							
	Yes	<b>.0103149</b>	.0280051	<b>0.37</b>	0.713	<b>-.0446172</b>	.065247
	timew1w3		<b>0</b> (omitted)				
	1.w1cvdbr	<b>-.019549</b>	.1287447	<b>-0.15</b>	0.879	<b>-.273116</b>	.2340179
w1cvdbr#c.timew1w3							
	1	<b>-.0025887</b>	.0319532	<b>-0.08</b>	0.935	<b>-.0653515</b>	.060174
	timew1w3		<b>0</b> (omitted)				
	invmillsmms	<b>.0081357</b>	.0027664	<b>2.94</b>	0.003	<b>.0027136</b>	.0135577
c.timew1w3#c.invmillsmms		<b>-.0019111</b>	.0006111	<b>-3.13</b>	0.002	<b>-.0031089</b>	-.0007132
	timew1w3		<b>0</b> (omitted)				
	w1HCYcenter2p15	<b>.2250141</b>	.2137138	<b>1.05</b>	0.292	<b>-.1938631</b>	.6438913
c.timew1w3#c.w1HCYcenter2p15		<b>-.0236724</b>	.0555037	<b>-0.43</b>	0.670	<b>-.1324587</b>	.0851138
Race#c.w1HCYcenter2p15							
AfrAm		<b>-.3761902</b>	.2639804	<b>-1.43</b>	0.154	<b>-.8935841</b>	.1412037
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm		<b>.0346637</b>	.0676819	<b>0.51</b>	0.609	<b>-.0979906</b>	.167318
	_cons	<b>27.29966</b>	.2212515	<b>123.39</b>	0.000	<b>26.86598</b>	27.73334

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>5.19e-07</b>	.0001636	<b>1.7e-275</b>	<b>1.6e+262</b>
sd(_cons)	<b>.9932639</b>	.0427634	<b>.9128737</b>	<b>1.080733</b>
sd(Residual)	<b>1.211357</b>	.0265319	<b>1.160454</b>	<b>1.264493</b>

768 .  
769 . mi estimate: mixed MMStotnorm c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15##Race ///  
> if sample4aobs==1 || HNDID: timew1w3

Multiple-imputation estimates	Imputations =	5
Mixed-effects ML regression	Number of obs =	2,653
Group variable: HNDID		
	Number of groups =	1,430
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	0.0395
	Largest FMI =	0.3404
DF adjustment: Large sample	DF: min =	41.75
	avg =	1.61e+08
	max =	7.88e+09
Model F test: Equal FMI	F( 45, 103090.0) =	21.71
	Prob > F =	0.0000

MMStotnorm	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.5047513	.459479	1.10	0.272	-.3959104 1.405413
w1Agecent48	-.1713967	.0409418	-4.19	0.000	-.2516458 -.0911476
c.timew1w3#c.w1Agecent48	-.0252146	.0104956	-2.40	0.016	-.0457874 -.0046418
timew1w3	0 (omitted)				
Sex					
Men	-2.258115	.7258589	-3.11	0.002	-3.680794 -.835436
Sex#c.timew1w3					
Men	.1346345	.1869906	0.72	0.472	-.2319086 .5011777
timew1w3	0 (omitted)				
Race					
AfrAm	-3.533022	.7213445	-4.90	0.000	-4.946952 -2.119091
Race#c.timew1w3					
AfrAm	.0377421	.1882497	0.20	0.841	-.3312407 .4067249
timew1w3	0 (omitted)				
PovStat					
Below	-.2928428	.7346973	-0.40	0.690	-1.732838 1.147152
PovStat#c.timew1w3					
Below	-.2830231	.1853705	-1.53	0.127	-.6463433 .0802971
timew1w3	0 (omitted)				
w1edubr					
2	3.815797	1.442366	2.65	0.008	.9886571 6.642938
3	5.907148	1.573545	3.75	0.000	2.822747 8.991549
w1edubr#c.timew1w3					
2	-.4900199	.3774319	-1.30	0.194	-1.229841 .2498016

	3		<b>- .3710663</b>	<b>.4075528</b>	<b>-0.91</b>	<b>0.363</b>	<b>-1.169971</b>	<b>.4278384</b>
		timew1w3	<b>0</b>	(omitted)				
	w1WRATTtotalcent42		<b>.9391481</b>	<b>.0495704</b>	<b>18.95</b>	<b>0.000</b>	<b>.8419828</b>	<b>1.036313</b>
c.timew1w3#c.w1WRATTtotalcent42			<b>- .0318952</b>	<b>.014071</b>	<b>-2.27</b>	<b>0.023</b>	<b>-.0594797</b>	<b>-.0043107</b>
		timew1w3	<b>0</b>	(omitted)				
	1.w1smoke		<b>-.1390985</b>	<b>.7737185</b>	<b>-0.18</b>	<b>0.857</b>	<b>-1.657037</b>	<b>1.37884</b>
	w1smoke#c.timew1w3							
	1		<b>-.3194105</b>	<b>.1992355</b>	<b>-1.60</b>	<b>0.109</b>	<b>-.7099056</b>	<b>.0710846</b>
		timew1w3	<b>0</b>	(omitted)				
	1.w1currdrugs		<b>.1739087</b>	<b>.9818159</b>	<b>0.18</b>	<b>0.860</b>	<b>-1.763891</b>	<b>2.111708</b>
	w1currdrugs#c.timew1w3							
	1		<b>.0615553</b>	<b>.2514796</b>	<b>0.24</b>	<b>0.807</b>	<b>-.4339068</b>	<b>.5570174</b>
		timew1w3	<b>0</b>	(omitted)				
w1hei2010_total_scorecent43			<b>-.0245757</b>	<b>.0344046</b>	<b>-0.71</b>	<b>0.477</b>	<b>-.0930485</b>	<b>.0438972</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0061577</b>	<b>.0099133</b>	<b>0.62</b>	<b>0.538</b>	<b>-.0138516</b>	<b>.026167</b>
		timew1w3	<b>0</b>	(omitted)				
	w1BMIcon30		<b>-.0539632</b>	<b>.0503371</b>	<b>-1.07</b>	<b>0.284</b>	<b>-.1526281</b>	<b>.0447017</b>
c.timew1w3#c.w1BMIcon30			<b>.0004226</b>	<b>.0126543</b>	<b>0.03</b>	<b>0.973</b>	<b>-.0243793</b>	<b>.0252246</b>
		timew1w3	<b>0</b>	(omitted)				
	w1SRH							
	2		<b>1.371357</b>	<b>.9370398</b>	<b>1.46</b>	<b>0.143</b>	<b>-.4652114</b>	<b>3.207925</b>
	3		<b>1.67392</b>	<b>1.013544</b>	<b>1.65</b>	<b>0.099</b>	<b>-.3127294</b>	<b>3.660568</b>
	w1SRH#c.timew1w3							
	2		<b>-.1246121</b>	<b>.2447656</b>	<b>-0.51</b>	<b>0.611</b>	<b>-.6043439</b>	<b>.3551196</b>
	3		<b>-.2084623</b>	<b>.2631246</b>	<b>-0.79</b>	<b>0.428</b>	<b>-.7241904</b>	<b>.3072658</b>
		timew1w3	<b>0</b>	(omitted)				
	w1CEScent15		<b>-.0599734</b>	<b>.0327441</b>	<b>-1.83</b>	<b>0.067</b>	<b>-.1241519</b>	<b>.0042051</b>
c.timew1w3#c.w1CEScent15			<b>.0048805</b>	<b>.0085886</b>	<b>0.57</b>	<b>0.570</b>	<b>-.0119542</b>	<b>.0217152</b>
		timew1w3	<b>0</b>	(omitted)				
	w1dxHTN							
	Yes		<b>.6081183</b>	<b>.7857296</b>	<b>0.77</b>	<b>0.439</b>	<b>-.9320658</b>	<b>2.148302</b>
	w1dxHTN#c.timew1w3							
	Yes		<b>-.0985454</b>	<b>.2043322</b>	<b>-0.48</b>	<b>0.630</b>	<b>-.4990777</b>	<b>.301987</b>
		timew1w3	<b>0</b>	(omitted)				
	w1dxDiabetes							
	preDiabetes		<b>.4946227</b>	<b>.9186073</b>	<b>0.54</b>	<b>0.590</b>	<b>-1.30665</b>	<b>2.295895</b>
	Diabetes		<b>-.2247312</b>	<b>1.125036</b>	<b>-0.20</b>	<b>0.842</b>	<b>-2.439955</b>	<b>1.990492</b>
	w1dxDiabetes#c.timew1w3							
	preDiabetes		<b>.2386381</b>	<b>.2343952</b>	<b>1.02</b>	<b>0.309</b>	<b>-.2207712</b>	<b>.6980473</b>
	Diabetes		<b>-.3707932</b>	<b>.288803</b>	<b>-1.28</b>	<b>0.199</b>	<b>-.9373138</b>	<b>.1957274</b>
		timew1w3	<b>0</b>	(omitted)				

w1CVhighChol Yes	<b>1.09167</b>	.8675178	1.26	0.209	-.6122986	2.795639
w1CVhighChol#c.timew1w3 Yes	<b>.1310252</b>	.2335303	0.56	0.575	-.328103	.5901535
timew1w3 1.w1cvdbr	<b>0</b> (omitted) <b>-.4284892</b>	<b>1.037397</b>	-0.41	0.680	-2.478496	1.621518
w1cvdbr#c.timew1w3 1	<b>-.0407543</b>	.2623499	-0.16	0.877	-.5566676	.4751589
timew1w3 invmillsmms	<b>0</b> (omitted) <b>.0461337</b>	<b>.0217199</b>	2.12	0.034	.0035635	.088704
c.timew1w3#c.invmillsmms	<b>-.0104269</b>	<b>.004979</b>	-2.09	0.036	-.0201855	-.0006682
timew1w3 w1HCYcenter2p15	<b>0</b> (omitted) <b>1.676596</b>	<b>1.676421</b>	1.00	0.317	-1.609165	4.962357
c.timew1w3#c.w1HCYcenter2p15	<b>-.3306984</b>	<b>.450628</b>	-0.73	0.463	-1.213916	.5525193
Race#c.w1HCYcenter2p15 AfrAm	<b>-1.947892</b>	<b>2.070813</b>	-0.94	0.347	-6.006615	2.110832
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	<b>.5094711</b>	<b>.5496249</b>	0.93	0.354	-.5677742	1.586716
_cons	<b>73.53192</b>	<b>1.752957</b>	41.95	0.000	<b>70.095</b>	<b>76.96884</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.0002511</b>	.0163452	<b>9.70e-60</b>	<b>6.50e+51</b>
sd(_cons)	<b>7.337109</b>	.3184979	<b>6.738664</b>	<b>7.9887</b>
sd(Residual)	<b>9.874985</b>	<b>.2024204</b>	<b>9.486105</b>	<b>10.27981</b>

770 .  
 771 .  
 772 .  
 773 . mi estimate: mixed cvltca c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIconcen  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4bobs==1 || HNDID: timew1w3

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,464

Group variable: HNDID

	Number of groups =	1,420
	Obs per group:	
	min =	1
	avg =	1.7
	max =	2
	Average RVI =	0.0357
	Largest FMI =	0.3489
DF adjustment:	Large sample	DF: min = 39.80
		avg = 1.86e+07
		max = 8.68e+08
Model F test:	Equal FMI	F( 45, 125951.2) = 37.18
		Prob > F = 0.0000

cvltca	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-1.041368	.1785499	-5.83	0.000	-1.391325 -.6914102
w1Agecent48	-.1640316	.0202048	-8.12	0.000	-.2036347 -.1244285
c.timew1w3#c.w1Agecent48	-.0075714	.0044131	-1.72	0.086	-.0162212 .0010784
timew1w3	0 (omitted)				
Sex					
Men	-2.446593	.3580746	-6.83	0.000	-3.148407 -1.74478
Sex#c.timew1w3					
Men	-.2265599	.0782797	-2.89	0.004	-.3799862 -.0731336
timew1w3	0 (omitted)				
Race					
AfrAm	-2.203869	.3596212	-6.13	0.000	-2.908866 -1.498872
Race#c.timew1w3					
AfrAm	.0963166	.0788654	1.22	0.222	-.0583058 .250939
timew1w3	0 (omitted)				
PovStat					
Below	-.096882	.3617732	-0.27	0.789	-.8059626 .6121985
PovStat#c.timew1w3					
Below	-.0321347	.0767474	-0.42	0.675	-.1825631 .1182938
timew1w3	0 (omitted)				
w1edubr					
2	-.4195201	.6994117	-0.60	0.549	-1.791276 .9522359
3	1.741164	.7597481	2.29	0.022	.2515195 3.230809
w1edubr#c.timew1w3					
2	.0957446	.1454253	0.66	0.510	-.1893776 .3808669
3	-.0629121	.159933	-0.39	0.694	-.3764363 .250612
timew1w3	0 (omitted)				
w1WRATtotalcent42	.2218159	.0240925	9.21	0.000	.1745939 .2690378
c.timew1w3#c.w1WRATtotalcent42	-.0061256	.0051586	-1.19	0.235	-.0162367 .0039855
timew1w3	0 (omitted)				
1.w1smoke	.0998436	.3858381	0.26	0.796	-.6607701 .8604573

w1smoke#c.timew1w3							
1	<b>-.0213052</b>	<b>.0889589</b>	<b>-0.24</b>	<b>0.811</b>	<b>-.1968769</b>	<b>.1542665</b>	
timew1w3	0	(omitted)					
1.w1currdrugs	<b>-.4446501</b>	<b>.4408984</b>	<b>-1.01</b>	<b>0.313</b>	<b>-1.309208</b>	<b>.4199075</b>	
w1currdrugs#c.timew1w3							
1	<b>.1322927</b>	<b>.0991175</b>	<b>1.33</b>	<b>0.182</b>	<b>-.0621635</b>	<b>.3267488</b>	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	<b>.023728</b>	<b>.0177475</b>	<b>1.34</b>	<b>0.189</b>	<b>-.0121465</b>	<b>.0596026</b>	
c.timew1w3#c.w1hei2010_total_scorecent43							
timew1w3	0	(omitted)					
w1BMIcon30	<b>.0092939</b>	<b>.0247201</b>	<b>0.38</b>	<b>0.707</b>	<b>-.0391594</b>	<b>.0577472</b>	
c.timew1w3#c.w1BMIcon30							
timew1w3	0	(omitted)					
w1SRH							
2	<b>.8658529</b>	<b>.4592278</b>	<b>1.89</b>	<b>0.059</b>	<b>-.0342846</b>	<b>1.76599</b>	
3	<b>.7738695</b>	<b>.4965085</b>	<b>1.56</b>	<b>0.119</b>	<b>-.1994288</b>	<b>1.747168</b>	
w1SRH#c.timew1w3							
2	<b>-.1473354</b>	<b>.0997673</b>	<b>-1.48</b>	<b>0.140</b>	<b>-.3428779</b>	<b>.0482072</b>	
3	<b>-.1364901</b>	<b>.1070729</b>	<b>-1.27</b>	<b>0.202</b>	<b>-.3463517</b>	<b>.0733716</b>	
timew1w3	0	(omitted)					
w1CEScent15							
timew1w3	0	(omitted)					
w1CEScent15	<b>-.0706666</b>	<b>.0158121</b>	<b>-4.47</b>	<b>0.000</b>	<b>-.1016577</b>	<b>-.0396755</b>	
c.timew1w3#c.w1CEScent15							
timew1w3	0	(omitted)					
w1dxHTN							
Yes	<b>.0540219</b>	<b>.3818934</b>	<b>0.14</b>	<b>0.888</b>	<b>-.6945972</b>	<b>.8026409</b>	
w1dxHTN#c.timew1w3							
Yes	<b>-.023633</b>	<b>.0844191</b>	<b>-0.28</b>	<b>0.780</b>	<b>-.189103</b>	<b>.141837</b>	
timew1w3	0	(omitted)					
w1dxDiabetes							
preDiabetes	<b>-.3693873</b>	<b>.4439626</b>	<b>-0.83</b>	<b>0.405</b>	<b>-1.23968</b>	<b>.5009051</b>	
Diabetes	<b>.6600823</b>	<b>.5300298</b>	<b>1.25</b>	<b>0.213</b>	<b>-.3797314</b>	<b>1.699896</b>	
w1dxDiabetes#c.timew1w3							
preDiabetes	<b>.1467962</b>	<b>.0990016</b>	<b>1.48</b>	<b>0.138</b>	<b>-.0473156</b>	<b>.3409079</b>	
Diabetes	<b>-.2911958</b>	<b>.1200967</b>	<b>-2.42</b>	<b>0.016</b>	<b>-.5269512</b>	<b>-.0554403</b>	
timew1w3	0	(omitted)					
w1CVhighChol							
Yes	<b>-.2545318</b>	<b>.4107692</b>	<b>-0.62</b>	<b>0.536</b>	<b>-1.06007</b>	<b>.5510065</b>	
w1CVhighChol#c.timew1w3							
Yes	<b>.1763562</b>	<b>.095714</b>	<b>1.84</b>	<b>0.066</b>	<b>-.0114115</b>	<b>.3641239</b>	
timew1w3	0	(omitted)					
1.w1cvdbr	<b>.5534703</b>	<b>.4613818</b>	<b>1.20</b>	<b>0.230</b>	<b>-.3510779</b>	<b>1.458019</b>	

w1cvdbr#c.timew1w3 1	<b>-.1683143</b>	<b>.1062733</b>	<b>-1.58</b>	<b>0.114</b>	<b>-.3769339</b>	<b>.0403054</b>
timew1w3 invmillsmms	<b>0</b> (omitted) <b>.0176175</b>	<b>.0102689</b>	<b>1.72</b>	<b>0.086</b>	<b>-.0025093</b>	<b>.0377443</b>
c.timew1w3#c.invmillsmms	<b>-.0003126</b>	<b>.0019955</b>	<b>-0.16</b>	<b>0.876</b>	<b>-.0042237</b>	<b>.0035985</b>
timew1w3 w1HCYcenter2p15	<b>0</b> (omitted) <b>.19064</b>	<b>.8392082</b>	<b>0.23</b>	<b>0.820</b>	<b>-1.454178</b>	<b>1.835458</b>
c.timew1w3#c.w1HCYcenter2p15	<b>-.1059074</b>	<b>.1940528</b>	<b>-0.55</b>	<b>0.585</b>	<b>-.4862438</b>	<b>.2744291</b>
Race#c.w1HCYcenter2p15 AfrAm	<b>1.674713</b>	<b>1.025625</b>	<b>1.63</b>	<b>0.102</b>	<b>-.3354759</b>	<b>3.684902</b>
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	<b>.0374798</b>	<b>.2295815</b>	<b>0.16</b>	<b>0.870</b>	<b>-.4124919</b>	<b>.4874514</b>
_cons	<b>25.84962</b>	<b>.8354993</b>	<b>30.94</b>	<b>0.000</b>	<b>24.212</b>	<b>27.48725</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3)	<b>.325666</b>	<b>.1083084</b>	<b>.1696957</b>	<b>.6249915</b>
sd(_cons)	<b>4.305021</b>	<b>.1289952</b>	<b>4.059475</b>	<b>4.565419</b>
sd(Residual)	<b>3.677087</b>	<b>.1300095</b>	<b>3.430898</b>	<b>3.940942</b>

```

774 .
775 .
776 .
777 . mi estimate: mixed CVLfrl c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti
> > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMIcon
> > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> > c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4cobs==1 || HNDID:

Multiple-imputation estimates
Mixed-effects ML regression
Number of groups = 1,391
Number of obs = 2,339
Imputations = 5
Number of obs per group:
Obs per group:
min = 1
avg = 1.7
max = 2
Average RVI = 0.0574
Largest FMI = 0.3009
DF: min = 52.90
avg = 1167904.64
max = 4.36e+07
DF adjustment: Large sample
Model F test: Equal FMI
F( 45,51982.5) = 23.06
Prob > F = 0.0000

```

	CVLfrl	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-.3856919</b>	.0868993	<b>-4.44</b>	<b>0.000</b>	<b>-.5560126</b> <b>-.2153712</b>
w1Agecent48		<b>-.0863601</b>	.0097777	<b>-8.83</b>	<b>0.000</b>	<b>-.1055252</b> <b>-.067195</b>
c.timew1w3#c.w1Agecent48		<b>-.0043173</b>	.0021791	<b>-1.98</b>	<b>0.048</b>	<b>-.0085883</b> <b>-.0000462</b>
	timew1w3	0	(omitted)			
	Sex Men	<b>-1.047348</b>	.1730782	<b>-6.05</b>	<b>0.000</b>	<b>-1.386576</b> <b>-.7081201</b>
	Sex#c.timew1w3 Men	<b>-.0651373</b>	.0381176	<b>-1.71</b>	<b>0.087</b>	<b>-.1398471</b> <b>.0095726</b>
	timew1w3	0	(omitted)			
	Race AfrAm	<b>-1.304585</b>	.1728462	<b>-7.55</b>	<b>0.000</b>	<b>-1.64341</b> <b>-.96576</b>
	Race#c.timew1w3 AfrAm	<b>.0211358</b>	.0382268	<b>0.55</b>	<b>0.580</b>	<b>-.053795</b> <b>.0960667</b>
	timew1w3	0	(omitted)			
	PovStat Below	<b>.0373108</b>	.174964	<b>0.21</b>	<b>0.831</b>	<b>-.3056263</b> <b>.3802479</b>
	PovStat#c.timew1w3 Below	<b>-.0294454</b>	.0374993	<b>-0.79</b>	<b>0.432</b>	<b>-.1029466</b> <b>.0440559</b>
	timew1w3	0	(omitted)			
	w1edubr 2	<b>-.138597</b>	.339383	<b>-0.41</b>	<b>0.683</b>	<b>-.8041933</b> <b>.5269994</b>
	3	<b>.558704</b>	.3686424	<b>1.52</b>	<b>0.130</b>	<b>-.1640396</b> <b>1.281448</b>
	w1edubr#c.timew1w3 2	<b>-.0094856</b>	.0701649	<b>-0.14</b>	<b>0.892</b>	<b>-.1470335</b> <b>.1280623</b>
	3	<b>-.0066984</b>	.0773273	<b>-0.09</b>	<b>0.931</b>	<b>-.1582722</b> <b>.1448754</b>
	timew1w3	0	(omitted)			
	w1WRATtotalcent42	<b>.0937681</b>	.0117352	<b>7.99</b>	<b>0.000</b>	<b>.0707645</b> <b>.1167716</b>
c.timew1w3#c.w1WRATtotalcent42		<b>-.0042135</b>	.00251	<b>-1.68</b>	<b>0.093</b>	<b>-.0091329</b> <b>.000706</b>
	timew1w3	0	(omitted)			
1.w1smoke		<b>.0244254</b>	.1983494	<b>0.12</b>	<b>0.902</b>	<b>-.3703527</b> <b>.4192035</b>
w1smoke#c.timew1w3 1		<b>-.0121589</b>	.0461693	<b>-0.26</b>	<b>0.793</b>	<b>-.1043162</b> <b>.0799985</b>
	timew1w3	0	(omitted)			
1.w1currdrugs		<b>-.201157</b>	.2277484	<b>-0.88</b>	<b>0.378</b>	<b>-.650251</b> <b>.247937</b>
w1currdrugs#c.timew1w3 1		<b>-.012213</b>	.0518252	<b>-0.24</b>	<b>0.814</b>	<b>-.1148097</b> <b>.0903837</b>
	timew1w3	0	(omitted)			
w1hei2010_total_scorecent43		<b>.0064277</b>	.008455	<b>0.76</b>	<b>0.450</b>	<b>-.0105316</b> <b>.023387</b>
c.timew1w3#c.w1hei2010_total_scorecent43		<b>-.0002738</b>	.0019635	<b>-0.14</b>	<b>0.889</b>	<b>-.0041807</b> <b>.0036331</b>

	timew1w3	0	(omitted)				
w1BMIcent30		.0281604	.0119511	2.36	0.018	.0047356	.0515852
c.timew1w3#c.w1BMIcent30		-.0027257	.0025701	-1.06	0.289	-.0077632	.0023117
	timew1w3	0	(omitted)				
w1SRH							
2		.2123503	.2219572	0.96	0.339	-.2226912	.6473917
3		.0244662	.2404593	0.10	0.919	-.4468829	.4958153
w1SRH#c.timew1w3							
2		.0156226	.0490092	0.32	0.750	-.080434	.1116793
3		.0544961	.0525884	1.04	0.300	-.0485756	.1575677
	timew1w3	0	(omitted)				
w1CEScent15		-.032413	.0077137	-4.20	0.000	-.0475317	-.0172943
c.timew1w3#c.w1CEScent15		-.0000428	.0017254	-0.02	0.980	-.0034256	.00334
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		.0110024	.1843437	0.06	0.952	-.3503582	.3723629
w1dxHTN#c.timew1w3							
Yes		.0199389	.0410605	0.49	0.627	-.0605395	.1004173
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		-.2179066	.2147381	-1.01	0.310	-.6389585	.2031454
Diabetes		-.2071161	.2650508	-0.78	0.435	-.7285167	.3142845
w1dxDiabetes#c.timew1w3							
preDiabetes		.0633429	.0476923	1.33	0.184	-.0301477	.1568334
Diabetes		-.0191116	.0581107	-0.33	0.742	-.1331332	.09491
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		-.0333828	.2045866	-0.16	0.870	-.4352591	.3684935
w1CVhighChol#c.timew1w3							
Yes		.060017	.0480341	1.25	0.212	-.0344457	.1544798
	timew1w3	0	(omitted)				
1.w1cvdbr		.3100379	.2318534	1.34	0.182	-.1453299	.7654057
w1cvdbr#c.timew1w3							
1		-.0557457	.0514764	-1.08	0.279	-.1566864	.0451949
	timew1w3	0	(omitted)				
invmillsmms		.0081751	.0049043	1.67	0.096	-.0014372	.0177874
c.timew1w3#c.invmillsmms		-.0004501	.0009446	-0.48	0.634	-.0023015	.0014013
	timew1w3	0	(omitted)				
w1HCYcenter2p15		.5419637	.4041375	1.34	0.180	-.2501316	1.334059
c.timew1w3#c.w1HCYcenter2p15		-.0566622	.0966526	-0.59	0.558	-.2460979	.1327736

Race#c.w1HCYcenter2p15 AfrAm	.1043933	.4962676	0.21	0.833	-.8682733	1.07706
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	.0618843	.1137033	0.54	0.586	-.1609702	.2847388
_cons	8.300704	.4078959	20.35	0.000	7.501088	9.10032

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Identity sd(_cons)	1.981754	.0630498	1.861952	2.109264
sd(Residual)	1.819259	.0420551	1.738672	1.903581

778 .  
 779 .  
 780 .  
 781 . mi estimate: mixed BVRtot c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat c.ti  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4dobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,751

Group variable: HNDID

Number of groups	=	1,443
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	0.0361
Largest FMI	=	0.2812

DF adjustment: Large sample

DF:	min	=	60.23
	avg	=	761,138.70
	max	=	1.05e+07

Model F test: Equal FMI

F( 45, 118087.5)	=	20.51
Prob > F	=	0.0000

BVRtot	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3	.4857723	.1316637	3.69	0.000	.2276932	.7438514
w1Agecent48	.114299	.0144625	7.90	0.000	.0859526	.1426455
c.timew1w3#c.w1Agecent48	.0087887	.0031072	2.83	0.005	.0026987	.0148786
timew1w3	0 (omitted)					
Sex						
Men	-.9716105	.2579079	-3.77	0.000	-1.477111	-.4661102
Sex#c.timew1w3						
Men	.0546901	.0549226	1.00	0.319	-.0529588	.162339
timew1w3	0 (omitted)					
Race						
AfrAm	.627116	.2536886	2.47	0.013	.1298934	1.124339

Race#c.timew1w3						
AfrAm	.1526729	.0546918	2.79	0.005	.0454776	.2598681
timew1w3	0 (omitted)					
PovStat						
Below	.0875878	.2608534	0.34	0.737	-.4236759	.5988515
PovStat#c.timew1w3						
Below	.0601411	.0549724	1.09	0.274	-.0476029	.1678851
timew1w3	0 (omitted)					
w1edubr						
2	-.6472904	.5121268	-1.26	0.206	-1.651232	.3566508
3	-1.411356	.5622638	-2.51	0.012	-2.513868	-.3088449
w1edubr#c.timew1w3						
2	-.1525273	.1069618	-1.43	0.154	-.3621724	.0571177
3	-.1348364	.1169022	-1.15	0.249	-.3639634	.0942905
timew1w3	0 (omitted)					
w1WRATtotalcent42	-.1463225	.0176816	-8.28	0.000	-.1809911	-.111654
c.timew1w3#c.w1WRATtotalcent42	-.0043775	.0037126	-1.18	0.238	-.011654	.0028991
timew1w3	0 (omitted)					
1.w1smoke	.2682496	.2795967	0.96	0.338	-.2821864	.8186856
w1smoke#c.timew1w3						
1	-.039563	.0594174	-0.67	0.506	-.1560319	.0769059
timew1w3	0 (omitted)					
1.w1currdrugs	-.2916344	.3695133	-0.79	0.433	-1.030713	.4474447
w1currdrugs#c.timew1w3						
1	.0942807	.0734506	1.28	0.200	-.050009	.2385704
timew1w3	0 (omitted)					
w1hei2010_total_scorecent43	-.0038763	.0114955	-0.34	0.737	-.026692	.0189394
c.timew1w3#c.w1hei2010_total_scorecent43	-.0033896	.0027619	-1.23	0.223	-.0088817	.0021025
timew1w3	0 (omitted)					
w1BMIcon30	-.0114202	.0177623	-0.64	0.520	-.046234	.0233936
c.timew1w3#c.w1BMIcon30	-.003571	.0038007	-0.94	0.347	-.0110202	.0038783
timew1w3	0 (omitted)					
w1SRH						
2	-.8613168	.3344661	-2.58	0.010	-1.516861	-.2057729
3	-.8186833	.3608947	-2.27	0.023	-1.52603	-.1113366
w1SRH#c.timew1w3						
2	-.0619693	.0718412	-0.86	0.388	-.2027756	.078837
3	-.0220067	.0776352	-0.28	0.777	-.1741766	.1301633
timew1w3	0 (omitted)					
w1CEScent15	.044829	.0118246	3.79	0.000	.0216468	.0680112
c.timew1w3#c.w1CEScent15	-.0004646	.0025461	-0.18	0.855	-.0054556	.0045264

	timew1w3	0 (omitted)					
w1dxHTN							
Yes	.3498566	.2830836	1.24	0.217	-.2060636	.9057769	
w1dxHTN#c.timew1w3							
Yes	-.0352351	.0599959	-0.59	0.557	-.1528276	.0823573	
timew1w3	0 (omitted)						
w1dxDiabetes							
preDiabetes	.2611726	.3276706	0.80	0.426	-.3819864	.9043315	
Diabetes	.2166035	.3867425	0.56	0.576	-.5433844	.9765914	
w1dxDiabetes#c.timew1w3							
preDiabetes	-.0301915	.0693336	-0.44	0.663	-.1660835	.1057004	
Diabetes	.0318283	.0819518	0.39	0.698	-.1287966	.1924532	
timew1w3	0 (omitted)						
w1CVhighChol							
Yes	.0744926	.3072232	0.24	0.809	-.5302203	.6792055	
w1CVhighChol#c.timew1w3							
Yes	-.0171313	.0668772	-0.26	0.798	-.1482748	.1140123	
timew1w3	0 (omitted)						
1.w1cvdbr	.4370622	.3376085	1.29	0.196	-.2249895	1.099114	
w1cvdbr#c.timew1w3							
1	-.1602107	.0751937	-2.13	0.033	-.3076665	-.0127548	
timew1w3	0 (omitted)						
invmillsmms	-.0168	.0077428	-2.17	0.030	-.0319756	-.0016244	
c.timew1w3#c.invmillsmms							
	-.0000639	.0015436	-0.04	0.967	-.0030893	.0029614	
timew1w3	0 (omitted)						
w1HCYcenter2p15	.3054166	.5956512	0.51	0.608	-.8620424	1.472876	
c.timew1w3#c.w1HCYcenter2p15							
	-.0244707	.1321257	-0.19	0.853	-.2834325	.2344911	
Race#c.w1HCYcenter2p15							
AfrAm	-.6770479	.7346295	-0.92	0.357	-2.116896	.7628005	
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm	.229947	.1592402	1.44	0.149	-.0821582	.5420523	
_cons	7.784267	.6200051	12.56	0.000	6.568819	8.999715	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	.6605502	.0602675	.552381	.7899015	
sd(_cons)	3.895581	.1367762	3.636511	4.173107	
corr(timew1w3,_cons)	-.4762311	.0339862	-.5400661	-.4069481	
sd(Residual)	1.954187	.2022743	1.595347	2.39374	

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784 . mi estimate: mixed Attention c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIconcen  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4eobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates Imputations = 5  
 Mixed-effects ML regression Number of obs = 2,486

Group variable: HNDID Number of groups = 1,418  
 Obs per group:  
 min = 1  
 avg = 1.8  
 max = 2  
 Average RVI = 0.0347  
 Largest FMI = 0.2762

DF adjustment: Large sample DF: min = 62.34  
 avg = 2991968.62  
 max = 8.25e+07

Model F test: Equal FMI F( 45, 126436.7) = 9.68  
 Prob > F = 0.0000

	Attention	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>-.0151401</b>	.0665662	-0.23	0.820	-.145611 .1153308
	w1Agecent48	<b>-.0144425</b>	.0069028	-2.09	0.036	-.0279721 -.0009128
	c.timew1w3##c.w1Agecent48	<b>-.0026273</b>	.00158	-1.66	0.096	-.0057242 .0004695
	timew1w3	0	(omitted)			
	Sex					
	Men	<b>-.2546936</b>	.1232166	-2.07	0.039	-.4961938 -.0131934
	Sex##c.timew1w3					
	Men	<b>-.0154636</b>	.0279006	-0.55	0.579	-.0701479 .0392206
	timew1w3	0	(omitted)			
	Race					
	AfrAm	<b>-.7211158</b>	.1217659	-5.92	0.000	-.9597761 -.4824554
	Race##c.timew1w3					
	AfrAm	<b>.0467039</b>	.027764	1.68	0.093	-.0077125 .1011203
	timew1w3	0	(omitted)			
	PovStat					
	Below	<b>-.0618666</b>	.1248633	-0.50	0.620	-.3065949 .1828617
	PovStat##c.timew1w3					
	Below	<b>-.0435001</b>	.0280105	-1.55	0.120	-.0984006 .0114004
	timew1w3	0	(omitted)			
	w1edubr					
	2	<b>.4018248</b>	.2449068	1.64	0.101	-.078225 .8818746
	3	<b>.5354193</b>	.2665949	2.01	0.045	.0128249 1.058014
	w1edubr##c.timew1w3					

		2	<b>- .0124328</b>	<b>.0549112</b>	<b>-0.23</b>	<b>0.821</b>	<b>-.1200705</b>	<b>.095205</b>
		3	<b>- .0391552</b>	<b>.0595202</b>	<b>-0.66</b>	<b>0.511</b>	<b>-.1558192</b>	<b>.0775088</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
	w1WRATtotalcent42		<b>.0706172</b>	<b>.0083498</b>	<b>8.46</b>	<b>0.000</b>	<b>.0542517</b>	<b>.0869827</b>
c.timew1w3#c.w1WRATtotalcent42			<b>.0035329</b>	<b>.0019191</b>	<b>1.84</b>	<b>0.066</b>	<b>-.0002285</b>	<b>.0072942</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
	1.w1smoke		<b>-.1286556</b>	<b>.136702</b>	<b>-0.94</b>	<b>0.348</b>	<b>-.3984993</b>	<b>.1411881</b>
w1smoke#c.timew1w3			<b>-.0216203</b>	<b>.0304763</b>	<b>-0.71</b>	<b>0.478</b>	<b>-.0813879</b>	<b>.0381473</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
	1.w1currdrugs		<b>.3464208</b>	<b>.153377</b>	<b>2.26</b>	<b>0.024</b>	<b>.0456958</b>	<b>.6471459</b>
w1currdrugs#c.timew1w3			<b>-.026266</b>	<b>.0355034</b>	<b>-0.74</b>	<b>0.459</b>	<b>-.095857</b>	<b>.043325</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1hei2010_total_scorecent43			<b>-.005244</b>	<b>.0054725</b>	<b>-0.96</b>	<b>0.339</b>	<b>-.0160465</b>	<b>.0055586</b>
c.timew1w3#c.w1hei2010_total_scorecent43			<b>.0002223</b>	<b>.0012414</b>	<b>0.18</b>	<b>0.858</b>	<b>-.002211</b>	<b>.0026555</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1BMIcon30			<b>-.0157214</b>	<b>.0085705</b>	<b>-1.83</b>	<b>0.067</b>	<b>-.0325202</b>	<b>.0010774</b>
c.timew1w3#c.w1BMIcon30			<b>.0003591</b>	<b>.0019208</b>	<b>0.19</b>	<b>0.852</b>	<b>-.0034055</b>	<b>.0041238</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1SRH								
	2		<b>.4642955</b>	<b>.1600323</b>	<b>2.90</b>	<b>0.004</b>	<b>.1506297</b>	<b>.7779612</b>
	3		<b>.3720014</b>	<b>.1726633</b>	<b>2.15</b>	<b>0.031</b>	<b>.033565</b>	<b>.7104378</b>
w1SRH#c.timew1w3								
	2		<b>-.0339998</b>	<b>.0367462</b>	<b>-0.93</b>	<b>0.355</b>	<b>-.1060213</b>	<b>.0380217</b>
	3		<b>-.0071073</b>	<b>.0396286</b>	<b>-0.18</b>	<b>0.858</b>	<b>-.0847835</b>	<b>.070569</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1CEScent15								
	timew1w3		<b>-.0075088</b>	<b>.0055735</b>	<b>-1.35</b>	<b>0.178</b>	<b>-.018433</b>	<b>.0034154</b>
c.timew1w3#c.w1CEScent15			<b>-.0004932</b>	<b>.0012684</b>	<b>-0.39</b>	<b>0.697</b>	<b>-.0029792</b>	<b>.0019928</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1dxHTN								
	Yes		<b>.059014</b>	<b>.135014</b>	<b>0.44</b>	<b>0.662</b>	<b>-.2058051</b>	<b>.3238331</b>
w1dxHTN#c.timew1w3								
	Yes		<b>-.0438138</b>	<b>.0308241</b>	<b>-1.42</b>	<b>0.155</b>	<b>-.1042334</b>	<b>.0166059</b>
	timew1w3		<b>0</b>	<b>(omitted)</b>				
w1dxDiabetes								
	preDiabetes		<b>-.2489639</b>	<b>.1517961</b>	<b>-1.64</b>	<b>0.101</b>	<b>-.5464804</b>	<b>.0485525</b>
	Diabetes		<b>-.3270091</b>	<b>.1886081</b>	<b>-1.73</b>	<b>0.084</b>	<b>-.6978135</b>	<b>.0437954</b>
w1dxDiabetes#c.timew1w3								
	preDiabetes		<b>.0727333</b>	<b>.0353293</b>	<b>2.06</b>	<b>0.040</b>	<b>.0034889</b>	<b>.1419777</b>
	Diabetes		<b>-.025704</b>	<b>.0417406</b>	<b>-0.62</b>	<b>0.538</b>	<b>-.1075234</b>	<b>.0561154</b>

	timew1w3	0 (omitted)					
w1CVhighChol							
Yes	.142411	.153319	0.93	0.355	-.1607027	.4455248	
w1CVhighChol#c.timew1w3							
Yes	.0246682	.0344034	0.72	0.473	-.0428169	.0921533	
timew1w3	0 (omitted)						
1.w1cvdbr	.0290493	.1841755	0.16	0.875	-.3390723	.397171	
w1cvdbr#c.timew1w3							
1	.0198635	.041142	0.48	0.630	-.0615974	.1013245	
timew1w3	0 (omitted)						
invmillsmms	.0025238	.0035293	0.72	0.475	-.0043936	.0094412	
c.timew1w3#c.invmillsmms							
	-.0007546	.0007321	-1.03	0.303	-.0021895	.0006803	
timew1w3	0 (omitted)						
w1HCYcenter2p15	-.2708763	.2916242	-0.93	0.353	-.8424497	.3006972	
c.timew1w3#c.w1HCYcenter2p15							
	.0016159	.0685319	0.02	0.981	-.1327043	.135936	
Race#c.w1HCYcenter2p15							
AfrAm	.3025474	.3588183	0.84	0.399	-.4007237	1.005819	
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm	.0045571	.0832183	0.05	0.956	-.158548	.1676622	
_cons	6.504317	.2933265	22.17	0.000	5.9294	7.079234	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
<b>HNDID: Unstructured</b>				
sd(timew1w3)	.1285285	.0906137	.0322771	.5118055
sd(_cons)	1.414982	.108382	1.217733	1.644181
corr(timew1w3,_cons)	-.1142303	.2487579	-.5432357	.3620755
sd(Residual)	1.345111	.09921	1.164064	1.554316

785 .  
786 . mi estimate: mixed FluencyWord c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovStat  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15##Race ///  
> if sample4fobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5
Number of obs = 2,773

Group variable: HNDID

	Number of groups =	1,446
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	0.0526
	Largest FMI =	0.2782
DF adjustment:	Large sample	DF: min = 61.45
		avg = 1184090.95
		max = 5.34e+07
Model F test:	Equal FMI	F( 45, 57084.6) = 8.82
		Prob > F = 0.0000

FluencyWord	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	<b>-.0101915</b>	.1339233	-0.08	0.939	-.2727565 .2523735
w1Agecent48	<b>-.0920946</b>	.016426	-5.61	0.000	-.1243018 -.0598873
c.timew1w3#c.w1Agecent48	<b>-.0019362</b>	.003188	-0.61	0.544	-.0081847 .0043123
timew1w3	0 (omitted)				
Sex					
Men	<b>1.156301</b>	.2881213	4.01	0.000	.5915846 1.721017
Sex#c.timew1w3					
Men	<b>-.0052952</b>	.0560562	-0.09	0.925	-.1151639 .1045735
timew1w3	0 (omitted)				
Race					
AfrAm	<b>-1.438956</b>	.2866252	-5.02	0.000	-2.000767 -.8771445
Race#c.timew1w3					
AfrAm	<b>-.0168926</b>	.0563611	-0.30	0.764	-.1273644 .0935792
timew1w3	0 (omitted)				
PovStat					
Below	<b>-.4025088</b>	.2936374	-1.37	0.170	-.978042 .1730245
PovStat#c.timew1w3					
Below	<b>.0074217</b>	.0562917	0.13	0.895	-.1029098 .1177532
timew1w3	0 (omitted)				
w1edubr					
2	<b>-.3656667</b>	.5715271	-0.64	0.522	-1.485925 .7545916
3	<b>.8748709</b>	.620492	1.41	0.159	-.3413162 2.091058
w1edubr#c.timew1w3					
2	<b>.0860172</b>	.1107405	0.78	0.437	-.1312242 .3032586
3	<b>.0561532</b>	.1220555	0.46	0.646	-.1833396 .2956459
timew1w3	0 (omitted)				
w1WRATtotalcent42	<b>.1526218</b>	.0193594	7.88	0.000	.1146776 .1905659
c.timew1w3#c.w1WRATtotalcent42	<b>.0032256</b>	.0037851	0.85	0.394	-.0041933 .0106445
timew1w3	0 (omitted)				
1.w1smoke	<b>-.4160353</b>	.3274677	-1.27	0.208	-1.068464 .2363934

w1smoke#c.timew1w3							
1	.0194643	.0628059	0.31	0.757	-.1038864	.1428149	
timew1w3	0	(omitted)					
1.w1currdrugs	.428702	.3840372	1.12	0.267	-.3318106	1.189215	
w1currdrugs#c.timew1w3							
1	-.0276979	.0726879	-0.38	0.703	-.1702596	.1148639	
timew1w3	0	(omitted)					
w1hei2010_total_scorecent43	.0256922	.0128139	2.01	0.049	.0001351	.0512492	
c.timew1w3#c.w1hei2010_total_scorecent43							
timew1w3	0	(omitted)					
w1BMIcon30	.0201596	.0203134	0.99	0.321	-.0196857	.060005	
c.timew1w3#c.w1BMIcon30							
timew1w3	0	(omitted)					
w1SRH							
2	-.0596812	.3736299	-0.16	0.873	-.7920143	.672652	
3	.1350195	.4024339	0.34	0.737	-.6537838	.9238228	
w1SRH#c.timew1w3							
2	.0390425	.0734755	0.53	0.595	-.1049701	.1830552	
3	-.0291313	.0785342	-0.37	0.711	-.1830571	.1247944	
timew1w3	0	(omitted)					
w1CEScent15							
timew1w3	0	(omitted)					
w1CEScent15	-.0357095	.0129989	-2.75	0.006	-.0611888	-.0102301	
c.timew1w3#c.w1CEScent15							
timew1w3	0	(omitted)					
w1dxHTN							
Yes	.4313014	.3146607	1.37	0.171	-.1862872	1.04889	
w1dxHTN#c.timew1w3							
Yes	-.0675326	.0624024	-1.08	0.279	-.1898933	.0548281	
timew1w3	0	(omitted)					
w1dxDiabetes							
preDiabetes							
Diabetes	-.1200666	.3597038	-0.33	0.739	-.8253358	.5852026	
	-.0340568	.4135898	-0.08	0.934	-.844733	.7766194	
w1dxDiabetes#c.timew1w3							
preDiabetes	.0190759	.072114	0.26	0.791	-.1223142	.1604659	
Diabetes	.0731754	.0856987	0.85	0.393	-.0949421	.2412929	
timew1w3	0	(omitted)					
w1CVhighChol							
Yes	.0944934	.366921	0.26	0.798	-.6391009	.8280877	
w1CVhighChol#c.timew1w3							
Yes	.0462746	.0739041	0.63	0.532	-.0997133	.1922624	
timew1w3	0	(omitted)					
1.w1cvdbr	.1663668	.3733788	0.45	0.656	-.5664683	.899202	

w1cvdbr#c.timew1w3							
1	<b>-.0207326</b>	<b>.0768946</b>	<b>-0.27</b>	<b>0.787</b>	<b>-.1715788</b>	<b>.1301136</b>	
timew1w3	<b>0</b>	(omitted)					
invmillsmms	<b>.0093472</b>	<b>.0088383</b>	<b>1.06</b>	<b>0.290</b>	<b>-.0079756</b>	<b>.0266699</b>	
c.timew1w3#c.invmillsmms	<b>-.001432</b>	<b>.0015854</b>	<b>-0.90</b>	<b>0.366</b>	<b>-.0045393</b>	<b>.0016754</b>	
timew1w3	<b>0</b>	(omitted)					
w1HCYcenter2p15	<b>-1.433345</b>	<b>.6680399</b>	<b>-2.15</b>	<b>0.032</b>	<b>-2.742684</b>	<b>-.1240068</b>	
c.timew1w3#c.w1HCYcenter2p15	<b>.1520336</b>	<b>.1384665</b>	<b>1.10</b>	<b>0.272</b>	<b>-.119356</b>	<b>.4234232</b>	
Race#c.w1HCYcenter2p15							
AfrAm	<b>2.269357</b>	<b>.8219215</b>	<b>2.76</b>	<b>0.006</b>	<b>.6584167</b>	<b>3.880298</b>	
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm	<b>-.2871789</b>	<b>.1646658</b>	<b>-1.74</b>	<b>0.081</b>	<b>-.6099186</b>	<b>.0355607</b>	
_cons	<b>19.09492</b>	<b>.6879397</b>	<b>27.76</b>	<b>0.000</b>	<b>17.74646</b>	<b>20.44337</b>	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	<b>.2667261</b>	<b>.1699139</b>	<b>.0765254</b>
sd(_cons)	<b>3.94183</b>	<b>.1677244</b>	<b>3.626429</b>
corr(timew1w3,_cons)	<b>-.1493102</b>	<b>.1480124</b>	<b>-.4195544</b>
sd(Residual)	<b>2.906114</b>	<b>.1744768</b>	<b>2.583487</b>
			<b>3.26903</b>

787 .  
788 . mi estimate: mixed DigitSpanFwd c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15##Race ///  
> if sample4gobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,717

Group variable: HNDID

Number of groups	=	1,443
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 45,39589.6)	=	11.21
Prob > F	=	0.0000

DigitSpanFwd	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0147892	.0523143	0.28	0.777	-.0877454 .1173237
w1Agecent48	-.0075462	.0063204	-1.19	0.233	-.0199356 .0048431
c.timew1w3#c.w1Agecent48	-.0033161	.0012671	-2.62	0.009	-.0057997 -.0008324
timew1w3	0 (omitted)				
Sex Men	.1909474	.1119641	1.71	0.088	-.0285048 .4103996
Sex#c.timew1w3 Men	-.0390655	.0222674	-1.75	0.079	-.0827099 .004579
timew1w3	0 (omitted)				
Race AfrAm	-.2991938	.1114814	-2.68	0.007	-.5177595 -.0806282
Race#c.timew1w3 AfrAm	-.0124868	.0220618	-0.57	0.571	-.0557272 .0307536
timew1w3	0 (omitted)				
PovStat Below	-.0905298	.1131817	-0.80	0.424	-.312369 .1313095
PovStat#c.timew1w3 Below	-.0209908	.0221516	-0.95	0.343	-.0644077 .022426
timew1w3	0 (omitted)				
w1edubr 2	-.106519	.2212315	-0.48	0.630	-.540132 .327094
w1edubr 3	.1678922	.2406622	0.70	0.485	-.3038171 .6396015
w1edubr#c.timew1w3 2	-.0029429	.0425423	-0.07	0.945	-.0863247 .0804388
w1edubr#c.timew1w3 3	-.0218048	.0466942	-0.47	0.641	-.1133254 .0697157
timew1w3	0 (omitted)				
w1WRATtotalcent42	.1121138	.0075636	14.82	0.000	.0972876 .1269399
c.timew1w3#c.w1WRATtotalcent42	.0001636	.0014991	0.11	0.913	-.0027747 .003102
timew1w3	0 (omitted)				
1.w1smoke	.1818707	.1230641	1.48	0.142	-.0618753 .4256168
w1smoke#c.timew1w3 1	-.0125756	.0247487	-0.51	0.612	-.0611687 .0360176
timew1w3	0 (omitted)				
1.w1currdrugs	.4082934	.1764017	2.31	0.030	.0427387 .773848
w1currdrugs#c.timew1w3 1	-.0063555	.0301119	-0.21	0.833	-.0656343 .0529233
timew1w3	0 (omitted)				
w1hei2010_total_scorecent43	.0017504	.0046787	0.37	0.709	-.0074682 .010969
c.timew1w3#c.w1hei2010_total_scorecent43	.0000843	.001103	0.08	0.939	-.0021028 .0022713

	timew1w3	0	(omitted)				
w1BMIcon30		-.008893	.0078836	-1.13	0.259	-.0243572	.0065712
c.timew1w3#c.w1BMIcon30		-.0016052	.0015419	-1.04	0.298	-.0046278	.0014175
	timew1w3	0	(omitted)				
w1SRH							
2		-.0045981	.144267	-0.03	0.975	-.2873571	.278161
3		.0657123	.1561446	0.42	0.674	-.2403624	.3717871
w1SRH#c.timew1w3							
2		.0271834	.0292258	0.93	0.352	-.0300982	.084465
3		.0190034	.0314922	0.60	0.546	-.0427235	.0807304
	timew1w3	0	(omitted)				
w1CEScent15		-.0044664	.0050467	-0.89	0.376	-.0143591	.0054263
c.timew1w3#c.w1CEScent15		.0001149	.0010249	0.11	0.911	-.0018943	.0021241
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		.068949	.119612	0.58	0.564	-.1655095	.3034074
w1dxHTN#c.timew1w3							
Yes		-.0022379	.0247869	-0.09	0.928	-.0508387	.0463629
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		-.0953789	.1394125	-0.68	0.494	-.368714	.1779563
Diabetes		-.0645147	.1680755	-0.38	0.701	-.3947268	.2656974
w1dxDiabetes#c.timew1w3							
preDiabetes		.0308161	.0281393	1.10	0.273	-.0243382	.0859704
Diabetes		.0031999	.0347158	0.09	0.927	-.0649414	.0713413
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		-.0923292	.134395	-0.69	0.493	-.3579802	.1733217
w1CVhighChol#c.timew1w3							
Yes		.0100658	.0281526	0.36	0.721	-.0452735	.0654052
	timew1w3	0	(omitted)				
1.w1cvdbr		-.126165	.1454648	-0.87	0.386	-.4116728	.1593427
w1cvdbr#c.timew1w3							
1		-.0005658	.030137	-0.02	0.985	-.0596483	.0585166
	timew1w3	0	(omitted)				
invmillsmms		.0059753	.0034011	1.76	0.079	-.0006908	.0126413
c.timew1w3#c.invmillsmms		-.0005277	.000617	-0.86	0.392	-.0017371	.0006816
	timew1w3	0	(omitted)				
w1HCYcenter2p15		-.1522936	.2591131	-0.59	0.557	-.6601501	.3555629
c.timew1w3#c.w1HCYcenter2p15		.0225211	.0549975	0.41	0.682	-.085274	.1303162

Race#c.w1HCYcenter2p15	AfrAm	.1755572	.3190638	0.55	0.582	-.4497969	.8009114
Race#c.timew1w3#c.w1HCYcenter2p15	AfrAm	-.0711875	.0659849	-1.08	0.281	-.2005167	.0581417
	_cons	7.223975	.267416	27.01	0.000	6.699791	7.74816

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3)	.017835	.	.
sd(_cons)	1.474345	.	.
corr(timew1w3,_cons)	.9999991	.	.
sd(Residual)	1.19025	.	.

789 .  
790 . mi estimate: mixed DigitSpanBck c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSta  
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
> c.timew1w3##c.w1HCYcenter2p15##Race ///  
> if sample4hobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations	=	5
Number of obs	=	2,704

Group variable: HNDID

Number of groups	=	1,444
Obs per group:		
min	=	1
avg	=	1.9
max	=	2
Average RVI	=	.
Largest FMI	=	.

DF adjustment: Large sample

DF:	min	=	0.00
	avg	=	.
	max	=	.

Model F test: Equal FMI

F( 45, 33232.3)	=	15.59
Prob > F	=	0.0000

DigitSpanBck	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	-.0255833	.0549466	-0.47	0.642	-.133309 .0821424
w1Agecent48	-.0156071	.0061685	-2.53	0.011	-.0277002 -.0035141
c.timew1w3#c.w1Agecent48	-.0016094	.0013061	-1.23	0.218	-.0041693 .0009506
timew1w3	0 (omitted)				
Sex					
Men	-.0611835	.1085586	-0.56	0.573	-.2739563 .1515892
Sex#c.timew1w3					
Men	-.0283848	.0229903	-1.23	0.217	-.0734451 .0166755
timew1w3	0 (omitted)				
Race					
AfrAm	-.5334351	.1064569	-5.01	0.000	-.7420871 -.3247831

Race#c.timew1w3						
AfrAm	<b>- .0267317</b>	<b>.0228211</b>	<b>-1.17</b>	<b>0.241</b>	<b>-.0714605</b>	<b>.0179971</b>
timew1w3	0	(omitted)				
PovStat						
Below	<b>-.0976377</b>	<b>.1100549</b>	<b>-0.89</b>	<b>0.375</b>	<b>-.3133542</b>	<b>.1180788</b>
PovStat#c.timew1w3						
Below	<b>-.001352</b>	<b>.0229308</b>	<b>-0.06</b>	<b>0.953</b>	<b>-.0462961</b>	<b>.043592</b>
timew1w3	0	(omitted)				
w1edubr						
2	<b>-.2197053</b>	<b>.2143014</b>	<b>-1.03</b>	<b>0.305</b>	<b>-.6397305</b>	<b>.2003199</b>
3	<b>.1245125</b>	<b>.2332575</b>	<b>0.53</b>	<b>0.593</b>	<b>-.3326683</b>	<b>.5816932</b>
w1edubr#c.timew1w3						
2	<b>.0592266</b>	<b>.0440141</b>	<b>1.35</b>	<b>0.178</b>	<b>-.0270398</b>	<b>.1454929</b>
3	<b>.0295616</b>	<b>.0482169</b>	<b>0.61</b>	<b>0.540</b>	<b>-.0649419</b>	<b>.1240652</b>
timew1w3	0	(omitted)				
w1WRATtotalcent42	<b>.1224275</b>	<b>.0073114</b>	<b>16.74</b>	<b>0.000</b>	<b>.1080974</b>	<b>.1367575</b>
c.timew1w3#c.w1WRATtotalcent42						
timew1w3	0	(omitted)				
1.w1smoke	<b>-.0083133</b>	<b>.1240241</b>	<b>-0.07</b>	<b>0.947</b>	<b>-.2549126</b>	<b>.2382861</b>
w1smoke#c.timew1w3						
1	<b>.002285</b>	<b>.0278786</b>	<b>0.08</b>	<b>0.935</b>	<b>-.0531842</b>	<b>.0577542</b>
timew1w3	0	(omitted)				
1.w1currdrugs	<b>.0940934</b>	<b>.1452888</b>	<b>0.65</b>	<b>0.518</b>	<b>-.1931099</b>	<b>.3812966</b>
w1currdrugs#c.timew1w3						
1	<b>.0276157</b>	<b>.0302988</b>	<b>0.91</b>	<b>0.362</b>	<b>-.0318597</b>	<b>.0870911</b>
timew1w3	0	(omitted)				
w1hei2010_total_scorecent43	<b>-.0006651</b>	<b>.0050946</b>	<b>-0.13</b>	<b>0.897</b>	<b>-.0108844</b>	<b>.0095541</b>
c.timew1w3#c.w1hei2010_total_scorecent43						
timew1w3	0	(omitted)				
w1BMIcon30	<b>-.0036834</b>	<b>.0076099</b>	<b>-0.48</b>	<b>0.628</b>	<b>-.0186054</b>	<b>.0112385</b>
c.timew1w3#c.w1BMIcon30						
timew1w3	0	(omitted)				
w1SRH						
2	<b>-.0023557</b>	<b>.1409399</b>	<b>-0.02</b>	<b>0.987</b>	<b>-.2786143</b>	<b>.2739029</b>
3	<b>.1143516</b>	<b>.1550319</b>	<b>0.74</b>	<b>0.461</b>	<b>-.189836</b>	<b>.4185393</b>
w1SRH#c.timew1w3						
2	<b>-.0234963</b>	<b>.0301719</b>	<b>-0.78</b>	<b>0.436</b>	<b>-.0826334</b>	<b>.0356408</b>
3	<b>-.0264829</b>	<b>.0325849</b>	<b>-0.81</b>	<b>0.416</b>	<b>-.090355</b>	<b>.0373892</b>
timew1w3	0	(omitted)				
w1CEScent15	<b>-.003132</b>	<b>.0048649</b>	<b>-0.64</b>	<b>0.520</b>	<b>-.0126672</b>	<b>.0064031</b>
c.timew1w3#c.w1CEScent15						
timew1w3	0	(omitted)				

	timew1w3	0 (omitted)				
w1dxHTN						
Yes		<b>- .042725</b>	<b>.1177067</b>	<b>-0.36</b>	<b>0.717</b>	<b>-.2735237</b>
w1dxHTN#c.timew1w3						
Yes		<b>.0069219</b>	<b>.0254679</b>	<b>0.27</b>	<b>0.786</b>	<b>-.0430024</b>
timew1w3	0 (omitted)					
w1dxDiabetes						
preDiabetes		<b>.2349655</b>	<b>.1344872</b>	<b>1.75</b>	<b>0.081</b>	<b>-.0286393</b>
Diabetes		<b>-.115716</b>	<b>.1704559</b>	<b>-0.68</b>	<b>0.498</b>	<b>-.4523102</b>
w1dxDiabetes#c.timew1w3						
preDiabetes		<b>.0041284</b>	<b>.0291364</b>	<b>0.14</b>	<b>0.887</b>	<b>-.0529802</b>
Diabetes		<b>-.015302</b>	<b>.0355263</b>	<b>-0.43</b>	<b>0.667</b>	<b>-.0849852</b>
timew1w3	0 (omitted)					
w1CVhighChol						
Yes		<b>-.0676245</b>	<b>.1278499</b>	<b>-0.53</b>	<b>0.597</b>	<b>-.3188886</b>
w1CVhighChol#c.timew1w3						
Yes		<b>.0274241</b>	<b>.0307434</b>	<b>0.89</b>	<b>0.374</b>	<b>-.0334683</b>
timew1w3	0 (omitted)					
1.w1cvdbr		<b>-.0213336</b>	<b>.1884882</b>	<b>-0.11</b>	<b>0.911</b>	<b>-.4161102</b>
w1cvdbr#c.timew1w3						
1		<b>.0274522</b>	<b>.0348768</b>	<b>0.79</b>	<b>0.434</b>	<b>-.0419684</b>
timew1w3	0 (omitted)					
invmillsmms		<b>.0050575</b>	<b>.0032933</b>	<b>1.54</b>	<b>0.125</b>	<b>-.0013972</b>
c.timew1w3#c.invmillsmms						
		<b>-.0004192</b>	<b>.0006381</b>	<b>-0.66</b>	<b>0.511</b>	<b>-.0016699</b>
timew1w3	0 (omitted)					
w1HCYcenter2p15		<b>-.0409185</b>	<b>.2500893</b>	<b>-0.16</b>	<b>0.870</b>	<b>-.5310927</b>
c.timew1w3#c.w1HCYcenter2p15						
		<b>-.0279825</b>	<b>.0562846</b>	<b>-0.50</b>	<b>0.619</b>	<b>-.1382983</b>
Race#c.w1HCYcenter2p15						
AfrAm		<b>.0204293</b>	<b>.3088634</b>	<b>0.07</b>	<b>0.947</b>	<b>-.5849335</b>
Race#c.timew1w3#c.w1HCYcenter2p15						
AfrAm		<b>.0581187</b>	<b>.0678063</b>	<b>0.86</b>	<b>0.391</b>	<b>-.0747793</b>
_cons	<b>5.947826</b>	<b>.2624935</b>	<b>22.66</b>	<b>0.000</b>	<b>5.433115</b>	<b>6.462538</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3)	<b>.0050485</b>	.	.	.	.
sd(_cons)	<b>1.353174</b>	.	.	.	.
corr(timew1w3,_cons)	<b>-.9999687</b>	.	.	.	.
sd(Residual)	<b>1.23463</b>	.	.	.	.

791 .  
 792 . mi estimate: mixed clock\_command c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##PovSt  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMIcent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvnbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4iobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates  
 Mixed-effects ML regression

Group variable: HNDID

DF adjustment: Large sample

Model F test: Equal FMI

Imputations = 5  
 Number of obs = 2,767

Number of groups = 1,445  
 Obs per group:  
 min = 1  
 avg = 1.9  
 max = 2  
 Average RVI = 0.0484  
 Largest FMI = 0.2876  
 DF: min = 57.70  
 avg = 1875139.69  
 max = 6.20e+07  
 F( 45, 66825.5) = 5.42  
 Prob > F = 0.0000

	clock_command	Coefficient	Std. err.	t	P> t	[95% conf. interval]
	timew1w3	<b>- .0639813</b>	<b>.0423221</b>	<b>-1.51</b>	<b>0.131</b>	<b>-.146962</b> <b>.0189993</b>
	w1Agecent48	<b>- .0033192</b>	<b>.0037796</b>	<b>-0.88</b>	<b>0.380</b>	<b>-.0107271</b> <b>.0040888</b>
	c.timew1w3##c.w1Agecent48	<b>- .000974</b>	<b>.0010041</b>	<b>-0.97</b>	<b>0.332</b>	<b>-.0029421</b> <b>.000994</b>
	timew1w3	0	(omitted)			
	Sex					
	Men	<b>.0810175</b>	<b>.0669421</b>	<b>1.21</b>	<b>0.226</b>	<b>-.0501867</b> <b>.2122218</b>
	Sex##c.timew1w3					
	Men	<b>.0160211</b>	<b>.0175979</b>	<b>0.91</b>	<b>0.363</b>	<b>-.0184706</b> <b>.0505128</b>
	timew1w3	0	(omitted)			
	Race					
	AfrAm	<b>-.3246662</b>	<b>.0661307</b>	<b>-4.91</b>	<b>0.000</b>	<b>-.4542803</b> <b>-.195052</b>
	Race##c.timew1w3					
	AfrAm	<b>.0195885</b>	<b>.0175048</b>	<b>1.12</b>	<b>0.263</b>	<b>-.0147205</b> <b>.0538976</b>
	timew1w3	0	(omitted)			
	PovStat					
	Below	<b>.0705319</b>	<b>.0681992</b>	<b>1.03</b>	<b>0.301</b>	<b>-.0631365</b> <b>.2042004</b>
	PovStat##c.timew1w3					
	Below	<b>-.0027801</b>	<b>.0175776</b>	<b>-0.16</b>	<b>0.874</b>	<b>-.0372315</b> <b>.0316714</b>
	timew1w3	0	(omitted)			
	w1edubr					
	2	<b>-.0412103</b>	<b>.1360009</b>	<b>-0.30</b>	<b>0.762</b>	<b>-.307843</b> <b>.2254224</b>
	3	<b>.1472603</b>	<b>.1478017</b>	<b>1.00</b>	<b>0.319</b>	<b>-.1424922</b> <b>.4370128</b>
	w1edubr##c.timew1w3					
	2	<b>.0464033</b>	<b>.0343858</b>	<b>1.35</b>	<b>0.177</b>	<b>-.0210006</b> <b>.1138073</b>

	3	.0576076	.0376814	1.53	0.126	-.0162561	.1314713
	timew1w3	0	(omitted)				
w1WRATtotalcent42		.0272952	.0045819	5.96	0.000	.0183139	.0362766
c.timew1w3#c.w1WRATtotalcent42		-.001103	.0012014	-0.92	0.359	-.0034585	.0012525
	timew1w3	0	(omitted)				
1.w1smoke		-.0420437	.0749996	-0.56	0.576	-.1897277	.1056403
	w1smoke#c.timew1w3						
1		.0119461	.0197839	0.60	0.546	-.0269505	.0508428
	timew1w3	0	(omitted)				
1.w1currdrugs		.3285776	.0933663	3.52	0.001	.1437345	.5134207
	w1currdrugs#c.timew1w3						
1		-.060131	.022535	-2.67	0.008	-.1043104	-.0159517
	timew1w3	0	(omitted)				
w1hei2010_total_scorecent43		.0022224	.0029826	0.75	0.457	-.0036403	.008085
c.timew1w3#c.w1hei2010_total_scorecent43		.0005081	.0008447	0.60	0.548	-.0011592	.0021753
	timew1w3	0	(omitted)				
w1BMIconcept30		-.0050891	.0046862	-1.09	0.278	-.0142747	.0040966
c.timew1w3#c.w1BMIconcept30		.0012757	.0012106	1.05	0.292	-.001097	.0036485
	timew1w3	0	(omitted)				
w1SRH							
2		.155868	.0872634	1.79	0.074	-.0151667	.3269028
3		-.0253175	.0939904	-0.27	0.788	-.2095382	.1589033
	w1SRH#c.timew1w3						
2		.0060541	.0230756	0.26	0.793	-.0391734	.0512816
3		.0197586	.0247357	0.80	0.424	-.0287236	.0682409
	timew1w3	0	(omitted)				
w1CEScent15		-.0068825	.0030489	-2.26	0.024	-.0128586	-.0009065
c.timew1w3#c.w1CEScent15		.0007422	.0008053	0.92	0.357	-.0008363	.0023207
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		.0671551	.0749113	0.90	0.370	-.0798665	.2141768
	w1dxHTN#c.timew1w3						
Yes		-.0375161	.0195095	-1.92	0.055	-.0757647	.0007325
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		-.0618833	.0847235	-0.73	0.465	-.2279842	.1042177
Diabetes		.0643001	.1093733	0.59	0.558	-.1526917	.2812918
	w1dxDiabetes#c.timew1w3						
preDiabetes		.0191546	.0223214	0.86	0.391	-.0246	.0629091
Diabetes		-.0482286	.0274246	-1.76	0.079	-.1020814	.0056242
	timew1w3	0	(omitted)				

w1CVhighChol Yes		<b>- .0637236</b>	<b>.0900864</b>	<b>-0.71</b>	<b>0.482</b>	<b>-.2440709</b>	<b>.1166236</b>
w1CVhighChol#c.timew1w3 Yes		<b>.0082375</b>	<b>.022398</b>	<b>0.37</b>	<b>0.713</b>	<b>-.0358293</b>	<b>.0523044</b>
timew1w3 1.w1cvdbr		<b>0</b> <i>(omitted)</i>	<b>-.0909607</b>	<b>.0923032</b>	<b>-0.99</b>	<b>0.325</b>	<b>-.2722813</b>
w1cvdbr#c.timew1w3 1		<b>.0021</b>	<b>.0259369</b>	<b>0.08</b>	<b>0.936</b>	<b>-.0492331</b>	<b>.0534331</b>
timew1w3 invmillsmms		<b>0</b> <i>(omitted)</i>	<b>.0008358</b>	<b>.0020692</b>	<b>0.40</b>	<b>0.686</b>	<b>-.0032198</b>
c.timew1w3#c.invmillsmms		<b>-.000281</b>	<b>.0004964</b>	<b>-0.57</b>	<b>0.571</b>	<b>-.0012539</b>	<b>.0006919</b>
timew1w3 w1HCYcenter2p15		<b>0</b> <i>(omitted)</i>	<b>-.1633026</b>	<b>.1549494</b>	<b>-1.05</b>	<b>0.292</b>	<b>-.4670036</b>
c.timew1w3#c.w1HCYcenter2p15		<b>-.0162764</b>	<b>.0431689</b>	<b>-0.38</b>	<b>0.706</b>	<b>-.1008867</b>	<b>.068334</b>
Race#c.w1HCYcenter2p15 AfrAm		<b>.1687239</b>	<b>.1918211</b>	<b>0.88</b>	<b>0.379</b>	<b>-.2072414</b>	<b>.5446891</b>
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm		<b>-.0369629</b>	<b>.0519217</b>	<b>-0.71</b>	<b>0.477</b>	<b>-.1387287</b>	<b>.0648029</b>
_cons		<b>8.788687</b>	<b>.1634271</b>	<b>53.78</b>	<b>0.000</b>	<b>8.468302</b>	<b>9.109073</b>

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
<b>HNDID: Unstructured</b>					
sd(timew1w3)	<b>.0428104</b>	<b>.0882257</b>	<b>.000754</b>	<b>2.430798</b>	
sd(_cons)	<b>.6272634</b>	<b>.0747107</b>	<b>.4966686</b>	<b>.7921971</b>	
corr(timew1w3,_cons)	<b>-.0799145</b>	<b>.5636279</b>	<b>-.8311605</b>	<b>.7745924</b>	
sd(Residual)	<b>.9587464</b>	<b>.0452802</b>	<b>.8739825</b>	<b>1.051731</b>	

793 .  
 794 . mi estimate: mixed LnTrailsAtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po  
 > c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010\_total\_scorecent43 c.timew1w3##c.w1BMICent  
 > imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///  
 > c.timew1w3##c.w1HCYcenter2p15##Race ///  
 > if sample4jobs==1 || HNDID: timew1w3

Multiple-imputation estimates  
Mixed-effects ML regression

Imputations = 5  
Number of obs = 2,701

Group variable: HNDID

	Number of groups =	1,428
	Obs per group:	
	min =	1
	avg =	1.9
	max =	2
	Average RVI =	0.0454
	Largest FMI =	0.3483
DF adjustment:	Large sample	DF: min = 39.95
		avg = 1.46e+07
		max = 5.79e+08
Model F test:	Equal FMI	F( 45, 77928.4) = 11.27
		Prob > F = 0.0000

LnTrailsAtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.0075771	.0111212	0.68	0.496	-.0142209 .0293752
w1Agecent48	.010295	.0011616	8.86	0.000	.0080182 .0125718
c.timew1w3#c.w1Agecent48	.0005208	.0002629	1.98	0.048	5.47e-06 .001036
timew1w3	0 (omitted)				
Sex					
Men	.0895119	.0206478	4.34	0.000	.0490428 .129981
Sex#c.timew1w3					
Men	.0031864	.0046337	0.69	0.492	-.0058955 .0122682
timew1w3	0 (omitted)				
Race					
AfrAm	.1622622	.0203377	7.98	0.000	.122401 .2021234
Race#c.timew1w3					
AfrAm	-.0010043	.0045993	-0.22	0.827	-.0100187 .0080101
timew1w3	0 (omitted)				
PovStat					
Below	.0518015	.0209853	2.47	0.014	.0106709 .0929321
PovStat#c.timew1w3					
Below	.0000654	.0046239	0.01	0.989	-.0089974 .0091282
timew1w3	0 (omitted)				
w1edubr					
2	-.0591892	.0421531	-1.40	0.160	-.1418393 .0234609
3	-.0480257	.0458967	-1.05	0.295	-.1380318 .0419805
w1edubr#c.timew1w3					
2	-.0066331	.0090879	-0.73	0.465	-.0244471 .011181
3	-.0093098	.0099586	-0.93	0.350	-.0288311 .0102115
timew1w3	0 (omitted)				
w1WRATtotalcent42	-.0072461	.0014219	-5.10	0.000	-.010033 -.0044593
c.timew1w3#c.w1WRATtotalcent42	-.0004705	.0003181	-1.48	0.139	-.001094 .0001529
timew1w3	0 (omitted)				
1.w1smoke	-.0043169	.0231479	-0.19	0.852	-.0500537 .0414199

w1smoke#c.timew1w3							
1	.0023892	.0050693	0.47	0.637	-.0075499	.0123283	
timew1w3	0 (omitted)						
1.w1currdrugs	.0426243	.0268886	1.59	0.114	-.0102492	.0954979	
w1currdrugs#c.timew1w3							
1	-.0054213	.0061272	-0.88	0.377	-.0174513	.0066088	
timew1w3	0 (omitted)						
w1hei2010_total_scorecent43	.0002584	.0010166	0.25	0.801	-.0017963	.0023131	
c.timew1w3#c.w1hei2010_total_scorecent43	.0001312	.0002293	0.57	0.568	-.0003227	.0005851	
timew1w3	0 (omitted)						
w1BMIcon30	.0016134	.0014525	1.11	0.267	-.0012346	.0044613	
c.timew1w3#c.w1BMIcon30	-.0004136	.0003178	-1.30	0.193	-.0010364	.0002092	
timew1w3	0 (omitted)						
w1SRH							
2	-.0748107	.0269473	-2.78	0.006	-.1276265	-.0219949	
3	-.060193	.0290108	-2.07	0.038	-.1170535	-.0033324	
w1SRH#c.timew1w3							
2	-.0000104	.0061575	-0.00	0.999	-.012079	.0120582	
3	-.002829	.0065916	-0.43	0.668	-.0157484	.0100904	
timew1w3	0 (omitted)						
w1CEScent15	.0016501	.0009375	1.76	0.078	-.0001873	.0034876	
c.timew1w3#c.w1CEScent15	.0003374	.0002117	1.59	0.111	-.0000775	.0007524	
timew1w3	0 (omitted)						
w1dxHTN							
Yes	-.0174991	.0232492	-0.75	0.452	-.0631976	.0281994	
w1dxHTN#c.timew1w3							
Yes	.0060731	.0051733	1.17	0.241	-.00407	.0162162	
timew1w3	0 (omitted)						
w1dxDiabetes							
preDiabetes	.0186312	.0264792	0.70	0.482	-.033327	.0705894	
Diabetes	.0408216	.0328168	1.24	0.215	-.0240226	.1056658	
w1dxDiabetes#c.timew1w3							
preDiabetes	.0028911	.0058831	0.49	0.623	-.0086399	.0144222	
Diabetes	-.0028566	.0070176	-0.41	0.684	-.0166109	.0108977	
timew1w3	0 (omitted)						
w1CVhighChol							
Yes	-.019493	.0277774	-0.70	0.486	-.0753772	.0363912	
w1CVhighChol#c.timew1w3							
Yes	.0055986	.0058679	0.95	0.341	-.005931	.0171282	
timew1w3	0 (omitted)						
1.w1cvdbr	.0116165	.0280369	0.41	0.679	-.0434954	.0667283	

w1cvdbr#c.timew1w3							
1	.0035104	.0066799	0.53	0.600	-.009663	.0166837	
timew1w3	0	(omitted)					
invmillsmms	.0003474	.0006243	0.56	0.578	-.0008762	.0015709	
c.timew1w3#c.invmillsmms	-.0001512	.0001281	-1.18	0.238	-.0004023	.0000998	
timew1w3	0	(omitted)					
w1HCYcenter2p15	.0305909	.0474928	0.64	0.519	-.0624934	.1236753	
c.timew1w3#c.w1HCYcenter2p15	-.0140738	.0113169	-1.24	0.214	-.0362547	.008107	
Race#c.w1HCYcenter2p15							
AfrAm	.0833987	.0589702	1.41	0.157	-.0321807	.1989782	
Race#c.timew1w3#c.w1HCYcenter2p15							
AfrAm	.0049766	.013718	0.36	0.717	-.0219102	.0318633	
_cons	3.412661	.0509866	66.93	0.000	3.312668	3.512654	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Independent			
sd(timew1w3)	.0203114	.0065455	.0108003 .0381985
sd(_cons)	.2517984	.0077552	.2370481 .2674665
sd(Residual)	.2388095	.0076145	.2243422 .2542098

```

795 .
796 . mi estimate: mixed LnTrailsBtestSec c.timew1w3##c.w1Agecent48 c.timew1w3##Sex c.timew1w3##Race c.timew1w3##Po
> c.timew1w3##w1smoke c.timew1w3##w1currdrugs c.timew1w3##c.w1hei2010_total_scorecent43 c.timew1w3##c.w1BMICent
> imew1w3##w1CVhighChol c.timew1w3##w1cvdbr c.timew1w3##c.invmillsmms ///
> c.timew1w3##c.w1HCYcenter2p15##Race ///
> if sample4kobs==1 || HNDID: timew1w3, cov(un)

Multiple-imputation estimates
Mixed-effects ML regression

Group variable: HNDID
DF adjustment: Large sample
Model F test: Equal FMI

Imputations = 5
Number of obs = 2,609
Number of groups = 1,414
Obs per group:
min = 1
avg = 1.8
max = 2
Average RVI = 0.0462
Largest FMI = 0.2959
DF: min = 54.63
avg = 2551764.00
max = 1.06e+08
F( 45,73790.7) = 18.89
Prob > F = 0.0000

```

LnTrailsBtestSec	Coefficient	Std. err.	t	P> t	[95% conf. interval]
timew1w3	.010046	.0174693	0.58	0.565	-.0242184 .0443104
w1Agecent48	.0151403	.0019111	7.92	0.000	.0113946 .0188861
c.timew1w3#c.w1Agecent48	.0005871	.0003975	1.48	0.140	-.0001922 .0013663
timew1w3	0	(omitted)			
Sex Men	.0642945	.0341137	1.88	0.059	-.0025685 .1311575
Sex#c.timew1w3 Men	-.0029658	.0070291	-0.42	0.673	-.016743 .0108114
timew1w3	0	(omitted)			
Race AfrAm	.3344444	.0335664	9.96	0.000	.2686552 .4002336
Race#c.timew1w3 AfrAm	-.0007025	.0070027	-0.10	0.920	-.0144275 .0130224
timew1w3	0	(omitted)			
PovStat Below	.0993972	.0346796	2.87	0.004	.0314257 .1673687
PovStat#c.timew1w3 Below	.0009375	.0070942	0.13	0.895	-.0129674 .0148425
timew1w3	0	(omitted)			
w1edubr 2	-.1108449	.0685592	-1.62	0.106	-.2452211 .0235314
3	-.1918093	.0740403	-2.59	0.010	-.3369258 -.0466927
w1edubr#c.timew1w3 2	-.0053429	.0141613	-0.38	0.706	-.0331032 .0224175
3	-.0063783	.0153261	-0.42	0.677	-.0364207 .0236642
timew1w3	0	(omitted)			
w1WRATtotalcent42	-.0250783	.0023664	-10.60	0.000	-.0297165 -.0204401
c.timew1w3#c.w1WRATtotalcent42	-.0000817	.0005025	-0.16	0.871	-.0010666 .0009031
timew1w3 1.w1smoke	0	(omitted)			
w1smoke#c.timew1w3 1	-.0113912	.0386324	-0.29	0.769	-.087996 .0652137
timew1w3	0	(omitted)			
1.w1currdrugs	-.0268607	.0464744	-0.58	0.565	-.1190217 .0653003
w1currdrugs#c.timew1w3 1	-.0047206	.0097422	-0.48	0.629	-.0239448 .0145036
timew1w3	0	(omitted)			
w1hei2010_total_scorecent43	.0009289	.0014404	0.64	0.519	-.0019049 .0037626
c.timew1w3#c.w1hei2010_total_scorecent43	-.0001188	.0003702	-0.32	0.750	-.0008609 .0006233

	timew1w3	0	(omitted)				
w1BMIcon30		<b>- .000926</b>	<b>.0023521</b>	<b>-0.39</b>	<b>0.694</b>	<b>- .005536</b>	<b>.003684</b>
c.timew1w3#c.w1BMIcon30		<b>- .0005873</b>	<b>.0004848</b>	<b>-1.21</b>	<b>0.226</b>	<b>- .0015374</b>	<b>.0003629</b>
	timew1w3	0	(omitted)				
w1SRH							
2		<b>-.1428171</b>	<b>.0448087</b>	<b>-3.19</b>	<b>0.001</b>	<b>- .2306504</b>	<b>- .0549838</b>
3		<b>-.0899005</b>	<b>.0483535</b>	<b>-1.86</b>	<b>0.063</b>	<b>- .1846918</b>	<b>.0048907</b>
w1SRH#c.timew1w3							
2		<b>.0016151</b>	<b>.0094809</b>	<b>0.17</b>	<b>0.865</b>	<b>- .0169685</b>	<b>.0201987</b>
3		<b>-.0029328</b>	<b>.0103064</b>	<b>-0.28</b>	<b>0.776</b>	<b>- .0231403</b>	<b>.0172746</b>
	timew1w3	0	(omitted)				
w1CEScent15		<b>.0067679</b>	<b>.0015852</b>	<b>4.27</b>	<b>0.000</b>	<b>.0036574</b>	<b>.0098784</b>
c.timew1w3#c.w1CEScent15		<b>- .0000732</b>	<b>.0003263</b>	<b>-0.22</b>	<b>0.823</b>	<b>- .0007127</b>	<b>.0005664</b>
	timew1w3	0	(omitted)				
w1dxHTN							
Yes		<b>.0245032</b>	<b>.0371673</b>	<b>0.66</b>	<b>0.510</b>	<b>- .0484038</b>	<b>.0974103</b>
w1dxHTN#c.timew1w3							
Yes		<b>-.0018111</b>	<b>.007717</b>	<b>-0.23</b>	<b>0.814</b>	<b>- .0169363</b>	<b>.0133141</b>
	timew1w3	0	(omitted)				
w1dxDiabetes							
preDiabetes		<b>.0678245</b>	<b>.0425465</b>	<b>1.59</b>	<b>0.111</b>	<b>- .0155837</b>	<b>.1512327</b>
Diabetes		<b>.1048555</b>	<b>.0519739</b>	<b>2.02</b>	<b>0.044</b>	<b>.0026329</b>	<b>.2070781</b>
w1dxDiabetes#c.timew1w3							
preDiabetes		<b>-.0112651</b>	<b>.0088865</b>	<b>-1.27</b>	<b>0.205</b>	<b>- .0286824</b>	<b>.0061522</b>
Diabetes		<b>.00141</b>	<b>.0109517</b>	<b>0.13</b>	<b>0.898</b>	<b>- .0200685</b>	<b>.0228886</b>
	timew1w3	0	(omitted)				
w1CVhighChol							
Yes		<b>.0001747</b>	<b>.0403855</b>	<b>0.00</b>	<b>0.997</b>	<b>- .0792361</b>	<b>.0795854</b>
w1CVhighChol#c.timew1w3							
Yes		<b>-.0025263</b>	<b>.0084973</b>	<b>-0.30</b>	<b>0.766</b>	<b>- .0191807</b>	<b>.0141282</b>
	timew1w3	0	(omitted)				
1.w1cvdbr		<b>-.0678574</b>	<b>.0447101</b>	<b>-1.52</b>	<b>0.129</b>	<b>- .155551</b>	<b>.0198362</b>
w1cvdbr#c.timew1w3							
1		<b>.0158052</b>	<b>.0094387</b>	<b>1.67</b>	<b>0.094</b>	<b>- .0026971</b>	<b>.0343076</b>
	timew1w3	0	(omitted)				
invmillsmms		<b>-.0024607</b>	<b>.0010284</b>	<b>-2.39</b>	<b>0.017</b>	<b>- .0044763</b>	<b>- .000445</b>
c.timew1w3#c.invmillsmms		<b>-.0002753</b>	<b>.0004679</b>	<b>-0.59</b>	<b>0.556</b>	<b>- .0011924</b>	<b>.0006418</b>
	timew1w3	0	(omitted)				
w1HCYcenter2p15		<b>-.0274353</b>	<b>.0784944</b>	<b>-0.35</b>	<b>0.727</b>	<b>- .1812831</b>	<b>.1264126</b>
c.timew1w3#c.w1HCYcenter2p15		<b>.0013489</b>	<b>.0166544</b>	<b>0.08</b>	<b>0.935</b>	<b>- .0312931</b>	<b>.0339909</b>

Race#c.w1HCYcenter2p15 AfrAm	.1067044	.0974001	1.10	0.273	-.0841966	.2976053
Race#c.timew1w3#c.w1HCYcenter2p15 AfrAm	.0139771	.0203061	0.69	0.491	-.0258222	.0537764
_cons	4.560184	.0833992	54.68	0.000	4.396678	4.72369

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3)	.064243	.0122508	.0442069	.0933602
sd(_cons)	.4893874	.0212054	.4495383	.532769
corr(timew1w3,_cons)	-.4817594	.0446024	-.5642957	-.389688
sd(Residual)	.2935099	.0281277	.2432431	.3541645

```

797 .
798 .
799 . save, replace
      file finaldata_imputed_FINAL.dta saved

800 .
801 .
802 .
803 . capture log close

```