



```

-----
      name: <unnamed>
      log:  E:\nhats\nhats_code\NHATS data setup\logs\6_nhats_cleaning__2_May_2
> 019.smcl
      log type: text
      opened on:  2 May 2019, 13:53:44

1 .
2 .
3 .
4 . *****
5 .
6 .
7 . //Pull dates from restricted tracker
8 . use "E:\nhats\data\NHATS Restricted\NHATS Round 7 Tracker Restricted STATA\NHA
> TS_Round_7_Tracker_Restricted.dta", clear

9 . keep spid r*spstatdtdy

10. rename r*spstatdtdy spstatdtdy*

11. reshape long spstatdtdy, i(spид) j(wave)
    (note: j = 1 2 3 4 5 6 7)

    Data                                wide  ->   long
    -----
    Number of obs.                      19530  ->  136710
    Number of variables                   8      ->    3
    j variable (7 values)                 ->   wave
    xij variables:
    spstatdtdy1 spstatdtdy2 ... spstatdtdy7  ->  spstatdtdy
    -----

12. tempfile resttrack

13. save `resttrack'
    file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000001.tmp saved

14.
15. //Does not need to change, unless get new metro file.
16.
17. //7/13/17--add in metro/nonmetro var
18. use "E:\nhats\data\NHATS Public\NHATS_Round_1_6_MetNonmet_STATA\NHATS_Round_1_
> 6_MetNonmet.dta", clear

19. forvalues w=1/6 {
    2. gen metro_ind`w'=r`w'd==1 if inrange(r`w'd,1,2)
    3. }
    (4,182 missing values generated)
    (5,352 missing values generated)
    (6,628 missing values generated)
    (7,690 missing values generated)
    (4,093 missing values generated)
    (5,151 missing values generated)

20. reshape long metro_ind, i(spид) j(wave)
    (note: j = 1 2 3 4 5 6)

    Data                                wide  ->   long
    -----
    Number of obs.                      12427  ->  74562
    Number of variables                   13      ->    9
    j variable (6 values)                 ->   wave
    xij variables:
    metro_ind1 metro_ind2 ... metro_ind6  ->  metro_ind
    -----

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21. label var metro_ind "Lives in metropolitan area"
22. note metro_ind: From metro non-metro file, r(wave)dmtnomet raw variable.
23.
24. label define metro_ind 0 "Non-Metro" 1 "Metro"
25. label values metro_ind metro_ind
26.
27. tempfile metro
28. save `metro'
   file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000002.tmp saved
29.
30. cd "${work}"
   E:\nhats\data\NHATS working data

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31.
32. use round_1_$w_clean_helper_added.dta
33. merge 1:1 spid wave using `metro', keep(match master) nogen

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Result	# of obs.
not matched	6,312
from master	6,312
from using	0
matched	41,466

```

34.
35.
36. // 5/1/2018 P01 Aldridge
37.
38. gen unmet_relg_lml=.
   (47,778 missing values generated)
39. replace unmet_relg_lml=1 if relg==2
   (994 real changes made)
40. replace unmet_relg_lml=0 if relg==1
   (945 real changes made)
41. label var unmet_relg_lml "Unmet Spiritual need, LML"
42.
43. // 3/21/2019--Adding LM questions from LML interview section, P01 Aldridge
44.
45. gen qoc_lml_e=.
   (47,778 missing values generated)
46. replace qoc_lml_e=1 if ratecare==1
   (1,317 real changes made)
47. replace qoc_lml_e=0 if inrange(ratecare,2,5)
   (1,259 real changes made)

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48. note qoc_lml_e: ratecare (1=1)
49. note qoc_lml_e: Quality of Care rated as excellent. Coming from LM11 (Waves 2+
> )
50. note qoc_lml_e: Located in NHATS Setup, under Part 7.
51. note qoc_lml_e: Updated: 4/16/19-MH Created: 3/21/19-MH
52. label var qoc_lml_e "Quality of Care rated excellent, LML"
53. /*
> gen qoc_lml=ratecare
> replace qoc_lml=. if inlist(ratecare,-8,-7,-1,6)
> */
54.
55. foreach x in pain bre sad{
    2. gen unmet_`x'_lml=.
    3. replace unmet_`x'_lml=0 if inrange(`x', 1, 2)
    4. replace unmet_`x'_lml=1 if (`x'==1 & `x'hlp==2) | (`x'==1 & `x'hlp==1 & `x'
> hlpam==1)
    5. }
    (47,778 missing values generated)
    (2,403 real changes made)
    (270 real changes made)
    (47,778 missing values generated)
    (2,443 real changes made)
    (190 real changes made)
    (47,778 missing values generated)
    (2,334 real changes made)
    (432 real changes made)

56. note unmet_pain_lml: pain painhlp painhlpam
57. note unmet_pain_lml: Unmet needs for pain management. Coming from LM1, LM1A, L
> M1B (Waves 2+)
58. note unmet_pain_lml: Located in NHATS Setup, under Part 7.
59. note unmet_pain_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
60. label var unmet_pain_lml "Unmet need for pain management, LML"
61.
62. note unmet_bre_lml: bre brehlp brehlpam
63. note unmet_bre_lml: Unmet needs for dyspnea (breathing) management. Coming fro
> m LM2, LM2A, LM2B (Waves 2+)
64. note unmet_bre_lml: Located in NHATS Setup, under Part 7.
65. note unmet_bre_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
66. label var unmet_bre_lml "Unmet need for dyspnea (breathing) management, LML"
67.
68. note unmet_sad_lml: sad sadhlp sadhlpam
69. note unmet_sad_lml: Unmet needs for sadness (anxiety) management. Coming from
> LM3, LM3A, LM3B (Waves 2+)

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70. note unmet_sad_lml: Located in NHATS Setup, under Part 7.
71. note unmet_sad_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
72. label var unmet_sad_lml "Unmet need for sadness (anxiety) management, LML"
73.
74. foreach x in respect informed{
    2. gen `x'_lml=.
    3. replace `x'_lml=0 if inrange(`x', 1, 4)
    4. replace `x'_lml=1 if inrange(`x', 2,4)
    5. }
    (47,778 missing values generated)
    (2,558 real changes made)
    (273 real changes made)
    (47,778 missing values generated)
    (2,552 real changes made)
    (430 real changes made)

75.
76. note respect_lml: respect
77. note respect_lml: Not always treated with respect. Coming from LM7 (Waves 2+)
78. note respect_lml: Located in NHATS Setup, under Part 7.
79. note respect_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
80. label var respect_lml "Not always treated with respect, LML"
81.
82. note informed_lml: informed
83. note informed_lml: Family not always informed for individuals condition. Comin
    > g from LM8 (Waves 2+)
84. note informed_lml: Located in NHATS Setup, under Part 7.
85. note informed_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
86. label var informed_lml "Family not informed about SP's condition, LML"
87.
88. foreach x in caredecis carenowan{
    2. gen `x'_lml=.
    3. replace `x'_lml=0 if inlist(`x', 1, 2)
    4. replace `x'_lml=1 if `x'==1
    5. }
    (47,778 missing values generated)
    (2,499 real changes made)
    (182 real changes made)
    (47,778 missing values generated)
    (2,493 real changes made)
    (231 real changes made)

89.
90. note caredecis_lml: caredecis
91. note caredecis_lml: Inadequate input about care decisions. Coming from LM4 (Wa
    > ves 2+)

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92. note caredecis_lml: Located in NHATS Setup, under Part 7.
93. note caredecis_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
94. label var caredecis_lml " Inadequate input about care decisions, LML"
95.
96. note carenowan_lml: carenowan
97. note carenowan_lml: Care not consistent with goals. Unwanted Care. Coming from
  > LM5 (Waves 2+)
98. note carenowan_lml: Located in NHATS Setup, under Part 7.
99. note carenowan_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
100 label var carenowan_lml "Care not consistent with goals, LML"
101
102 //1/28/2019-Advance Care Planning based off of Ornstein instructions
103
104 gen no_acp=0
105 replace no_acp=1 if inlist(eoltalk, 2, -8, -7) & inlist(poweratty, 2, -7, -8)
  > & inlist(livngwill, 2, -7, -8)
  (580 real changes made)
106 replace no_acp=. if inlist(eoltalk, -1, -9, .) | inlist(poweratty, -1, -9, .)
  > | inlist(livngwill, -1, -9, .)
  (45,763 real changes made, 45,763 to missing)
107 note no_acp: Only in Rd2. no_acp=1 if eoltalk=2,-7,-8 & poweratty=2,-7,-8 & li
  > vingwill=2,-7,-8.
108 note no_acp: No Advance Care Planning based off of talk about EOL care, legal
  > arrangements, and living will all being no.
109 note no_acp: Located in NHATS Setup, under Part 7.
110 note no_acp: Created: 1/28/19-MH
111
112 gen formal_acp=0
113 replace formal_acp=1 if inlist(eoltalk, 2, -8, -7) & (poweratty==1 | livngwill
  > ==1)
  (279 real changes made)
114 replace formal_acp=. if inlist(eoltalk, -1, -9, .) | inlist(poweratty, -1, -9,
  > .) | inlist(livngwill, -1, -9, .)
  (45,763 real changes made, 45,763 to missing)
115 note formal_acp: Only in Rd2. formal_acp=1 if eoltalk=2,-7,-8 & (poweratty=1 |
  > livingwill=1)
116 note formal_acp: Formal Advance Care Planning based off of not talking about E
  > OL care and either having ///
  > having legal arrangements or having a living will.
117 note formal_acp: Located in NHATS Setup, under Part 7.

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118 note formal_acp: Created: 1/28/19-MH
119
120 gen informal_acp=0
121 replace informal_acp=1 if eoltalk==1 & inlist(poweratty, 2, -7, -8) & inlist(1
  > ivngwill, 2, -7, -8)
  (243 real changes made)
122 replace informal_acp=. if inlist(eoltalk, -1, -9, .) | inlist(poweratty, -1, -
  > 9, .) | inlist(livngwill, -1, -9, .)
  (45,763 real changes made, 45,763 to missing)
123 note informal_acp: Only in Rd2. informal_acp=1 if eoltalk=1 & poweratty=2,-7,-
  > 8 & livingwill=2,-7,-8
124 note informal_acp: Informal Advance Care Planning based off of talking about E
  > OL care and not having ///
  > having legal arrangements and not having a living will.
125 note informal_acp: Located in NHATS Setup, under Part 7.
126 note informal_acp: Created: 1/28/19-MH
127
128 gen acp=0
129 replace acp=1 if eoltalk==1 & (poweratty==1 | livngwill==1)
  (913 real changes made)
130 replace acp=. if inlist(eoltalk, -1, -9, .) | inlist(poweratty, -1, -9, .) | i
  > nlist(livngwill, -1, -9, .)
  (45,763 real changes made, 45,763 to missing)
131 note acp: Only in Rd2. eoltalk=1 & (poweratty=1 | livingwill=1)
132 note acp: Having ACP means having both Formal and Informal ACP.
133 note acp: Located in NHATS Setup, under Part 7.
134 note acp: Created: 1/28/19-MH
135
136
137 label var no_acp "No Advance care planning, 1=yes"
138 label var formal_acp "Formal Advance care planning, 1=yes"
139 label var informal_acp "Informal Advance care planning, 1=yes"
140 label var acp "Advance care planning (Formal & Informal), 1=yes"
141 label define acp 0 "No" 1 "Yes"
142 foreach x in no_acp formal_acp informal_acp acp {
  2. label values `x' acp
  3. }
143
144

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145 foreach x in no_acp formal_acp informal_acp acp {
146   2. tab `x' if wave==2 , m
147   3. }

```

No Advance care planning, 1=yes				
	Freq.	Percent	Cum.	
No	1,435	20.28	20.28	
Yes	580	8.20	28.48	
.	5,060	71.52	100.00	
Total	7,075	100.00		

Formal Advance care planning, 1=yes				
	Freq.	Percent	Cum.	
No	1,736	24.54	24.54	
Yes	279	3.94	28.48	
.	5,060	71.52	100.00	
Total	7,075	100.00		

Informal Advance care planning, 1=yes				
	Freq.	Percent	Cum.	
No	1,772	25.05	25.05	
Yes	243	3.43	28.48	
.	5,060	71.52	100.00	
Total	7,075	100.00		

Advance care planning (Formal & Informal), 1=yes				
	Freq.	Percent	Cum.	
No	1,102	15.58	15.58	
Yes	913	12.90	28.48	
.	5,060	71.52	100.00	
Total	7,075	100.00		

```

146
147 // 8/10/2018 Add in 2011 weight for rd 5,6
148 rename an2011wgt0 an2011wgt
149 label var an2011wgt "2011 weights"
150 note an2011wgt: an2011wgt0

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151 note an2011wgt: Analytic Weight for 2011 cohort, for rounds 5+
152 note formal_acp: Located in NHATS Setup, under Part 7.
153 note formal_acp: Created: 8/10/18-MH

154
155
156 rename trfinwgt0 trfinwgt

157 rename tr2011wgt0 tr2011wgt

158
159 //Add in 7/3/18
160
161 foreach w in 1 5{
    2.         replace serarmfor=1 if serarmfor==1 & wave==`w'
    3.         replace serarmfor=0 if serarmfor==2 & wave==`w'
    4.         replace serarmfor=. if serarmfor==7 & wave==`w'
    5.         replace serarmfor=. if serarmfor==8 & wave==`w'
    6. }
(0 real changes made)
(5,740 real changes made)
(7 real changes made, 7 to missing)
(74 real changes made, 74 to missing)
(0 real changes made)
(5,661 real changes made)
(4 real changes made, 4 to missing)
(185 real changes made, 185 to missing)

162 label var serarmfor "Served in Armed Forces"

163 sort spid wave

164 by spid: carryforward serarmfor, replace
    serarmfor: (30900 real changes made)

165 notes drop serarmfor
    (1 note dropped)

166 note serarmfor: Asked in rounds 1,5. Used serarmfor to find.

167 note serarmfor: Served in Arm Forces variable, carried previous value to new w
    > ave.

168 note formal_acp: Located in NHATS Setup, under Part 7.

169 note formal_acp: Created: 7/3/18-MH

170
171
172 //Add in 4/6/18
173 label var dresslf "Often you Dress Yourself"

174
175 label var dresdif "Difficulty when using Special Items by Self"

176
177 label var ntlvrmslp "Often had to Stay in Bed"

```



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178
179 label var eatdev "Ever use Adapted Utensils"

180
181
182 ///// 4/2/2018--Adding in income quartile
    > sort wave

183 forvalues w=1/$w {
    2. xtile income_quart`w'=aveincome [aw=anfinwgt0] if wave==`w', nq(4)
    3. }

184 egen income_quart=rowmax(income_quart*)
    (3517 missing values generated)

185
186 forvalues w=1/$w{
    2. drop income_quart`w'
    3. }

187
188 note income_quart: Use aveincome to create variable.

189 note income_quart: Create an income quartile measure. Weighted.

190 note income_quart: Located in NHATS Setup, under Part 7.

191 note income_quart: Created: 4/2/18-MH

192
193 label var income_quart "Quartile of Income"

194 label define income_quart 1 "Bottom" 2 "Second" 3 "Third" 4 "Top"

195 label values income_quart income_quart

196
197 ///// 3/26/18 --Adding in Hospice and place died variables.
    >
198 label var placedied "Place of Death"

199 replace placedied=. if inlist(placedied,-1,-8)
    (36,872 real changes made, 36,872 to missing)

200 replace placedied=6 if placedied==91
    (85 real changes made)

201 note placedied: placedied (6=91) (.-=-1,-8) all else the same.

202 note placedied: Place died variable from LML interview.

203 note placedied: Located in NHATS Setup, under Part 7.

204 note placedied: Created: 3/26/18-MH

205
206 replace hospice2=. if inlist(hospice2,-1,-8)
    (39,325 real changes made, 39,325 to missing)

207 note hospice2: hospice2 variable, (.-=-1,-1)

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208 note hospice2: Hospice at other place, list.
209 note hospice2: Located in NHATS Setup, under Part 7.
210 note hospice2: Created: 3/26/18-MH
211
212 rename hospcelml hospicelml
213 foreach x in hospicel hospicelml {
    2. replace `x'=. if inlist(`x',-1,-8)
    3. replace `x'=0 if `x'==2
    4. }
    (38,761 real changes made, 38,761 to missing)
    (569 real changes made)
    (30,754 real changes made, 30,754 to missing)
    (972 real changes made)

214
215 note hospicel: hospicel variable (0=2) (.-=-1,-8)
216 note hospicel: Hospice at Nursing Home.
217 note hospicel: Located in NHATS Setup, under Part 7.
218 note hospicel: Created: 3/26/18-MH
219
220 note hospicelml: hospicelml variable (0=2) (.-=-1,-8)
221 note hospicelml: Hospice at other place, list.
222 note hospicelml: Located in NHATS Setup, under Part 7.
223 note hospicelml: Created: 3/26/18-MH
224
225 label var hospicel "Hopsice at Nursing Home"
226 label var hospice2 "Hospice Other Place"
227 label var hospicelml "Hospice Care in Last Month"
228
229
230 ///// 3/14/18 --Adding in Frailty underlying series
>
231 //activities done twice (grip test, walk test..)
232
233 forvalues i=1/2{
    2. capture drop gripsec`i'
    3. rename grp`i'rdng gripsec`i'
    4. rename wlkc`i'secs walksec`i'
    5. rename wlk`i'hndr walkhndr`i'
    6.
234 replace gripsec`i'=. if inlist(gripsec`i', -1, -9, -7, -8)
    7. replace walksec`i'=. if inlist(walksec`i', -1, -9, -7, -8)
    8. replace walkhndr`i'=. if inlist(walkhndr`i', -1, -9, -7, -8)
    9. }
    (12,833 real changes made, 12,833 to missing)
    (12,985 real changes made, 12,985 to missing)
    (13,083 real changes made, 13,083 to missing)
    (12,915 real changes made, 12,915 to missing)
    (13,044 real changes made, 13,044 to missing)
    (13,142 real changes made, 13,142 to missing)

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235
236 label var grip1 "GRP1 Display Reading"

237 label var grip2 "GRP2 Display Reading"

238 label var walk1 "Secs Hld Walking Course1"

239 label var walk2 "Secs Hld Walking Course2"

240 label var walkh1 "Hnlds Hld Walking Course1"

241 label var walkh2 "Hnlds Hld Walking Course2"

242
243 foreach y in grip1 walk1 walkh1 {
2.   foreach x in 1 2 {
3.     note `y'`x': `y'`x' (.-1,-7,-8,-9)
4.   }
244 if "`y'"=="grip1" {
5.   note grip1`x': Grip Strength `x' Reading
6. }
7. else if "`y'"=="walk1" {
8.   note walk1`x': Walking Course Completion in Seconds place `x' Reading
9. }
10. else if "`y'"=="walkh1" {
11.   note walkh1`x': Walking Course Completion Hundredths place `x' Reading
12. }
13. note `y'`x': Located in NHATS Setup, under Part 7.
14. note `y'`x': Created: 3/14/18-MH
15. }
16. }

245
246
247 foreach x in origwksc nhatswksc nhatsgrav nhatsgrb {
2.   capture drop `x'
3.   gen `x'=.
4.   replace `x'=d`x' if inlist(d`x', 0, 1, 2, 3, 4)
5. }
(47,778 missing values generated)
(39,737 real changes made)
(47,778 missing values generated)
(39,737 real changes made)
(47,778 missing values generated)
(39,619 real changes made)
(47,778 missing values generated)
(39,619 real changes made)

248
249 label var origwksc "Original Walk Score"

250 label var nhatswksc "NHATS Walk Score"

251 label var nhatsgrav "NHATS Avg. Grip Score"

252 label var nhatsgrb "NHATS Best Grip Score"

253
254 foreach x in origwksc nhatswksc nhatsgrav nhatsgrb {
2.   note `x': d`x' (.-1,-9)
3. }

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255 if "`x'"=="origwksc"{
    4. note `x': Original Walk Score
    5. }
    6. else if "`x'"=="nhatswksc"{
    7. note `x': NHATS Walk Score
    8. }
    9. else if "`x'"=="nhatsgrav"{
    10. note `x': NHATS Avg Grip Score
    11. }
    12. else if "`x'"=="nhatsgrb"{
    13. note `x': NHATS Best grip Score
    14. }
    15. note `x': Located in NHATS Setup, under Part 7.
    16. note `x': Created: 3/14/18-MH
    17.
256 }

257
258 local a lst10pnds trytolose

259 local b evrgowalk vigoractv

260
261 foreach x in `a' `b'{
    2. capture drop `x'_n
    3. gen `x'_n=.
    4. }
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)
    (47,778 missing values generated)

262
263
264 foreach x in `a' `b'{
    2. replace `x'_n=0 if `x'==2
    3. replace `x'_n=1 if `x'==1
    4. drop `x'
    5. rename `x'_n `x'
    6. note `x': `x' (0=2) (1=1) (.-=-1, -9)
    7. }
    (30,263 real changes made)
    (11,278 real changes made)
    (7,066 real changes made)
    (4,211 real changes made)
    (17,772 real changes made)
    (24,335 real changes made)
    (27,384 real changes made)
    (14,710 real changes made)

265
266 note lst10pnds: Lost 10 Pounds in Last Year (Y/N)

267 note trytolose: Were you trying to lose Weight (Y/N)

268 note evrgowalk: Ever go walking for exercise (Y/N)

269 note vigoractv: Ever Vigorous Activities (Y/N)

270

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271 foreach x in `a' `b'{
    2. note `x': Located in NHATS Setup, under Part 7.
    3. note `x': Created: 04/05/18-MH
    4. }

272
273 label var lst10pnds "Lost 10 Pounds in Last Yr."

274 label var trytolose "Were You Trying to Lose Weight"

275 label var evrgowalk "Ever Go Walking for Exercise"

276 label var vigoractv "Ever Vigorous Activities"

277
278 capture drop unwgtloss lowphysact

279 gen unwgtloss=.
    (47,778 missing values generated)

280 gen lowphysact=.
    (47,778 missing values generated)

281 replace unwgtloss=0 if lst10pnds==0 | trytolose==1
    (34,474 real changes made)

282 replace unwgtloss=1 if lst10pnds==1 & trytolose==0
    (7,066 real changes made)

283 replace lowphysact=0 if evrgowalk==1 | vigoractv==1
    (27,868 real changes made)

284 replace lowphysact=1 if evrgowalk==0 & vigoractv==0
    (14,227 real changes made)

285
286 label var unwgtloss "Unintentional Weight Loss"

287 label var lowphysact "Low Physical Activity"

288
289 note unwgtloss: Created from lst10pnds and trytolose, if lst10pnds is yes and
    > trytolose is no.

290 note unwgtloss: Unintentional Weight Loss

291 note lowphysact: Created frin evrgowalk and vigoractv, if evrgowalk is no and
    > vigoractv is no.

292 note lowphysact: Low Physical Activity

293
294 replace lowenergy=. if inlist(lowenergy, -9, -8, -7, -1)
    (5,770 real changes made, 5,770 to missing)

295 replace lowenergy=0 if lowenergy==2
    (22,075 real changes made)

296 label var lowenergy "Low Energy in Last Month"

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```

297
298 note lowenergy: lowenergy is (.-9,-8,-7,-1) (0=2) (1=1)

299 note lowenergy: Low Energy in Last Month (Y/N)

300
301 foreach x in unwtgloss lowphysact lowenergy{
    2. note `x': Located in NHATS Setup, under Part 7.
    3. note `x': Created: 04/05/18-MH
    4. }

302
303 ///// 3/7/18 --Adding in Well-Being questions
    > /// Inapplicable is people who have no interview, had a proxy, or died. turned
    > to missing.
    >
304 foreach j in 1 2 4 {
    2.         forvalues i=1/4 {
    3.             capture drop wbq`j'`i'
    4.             gen wbq`j'`i'=.
    5.         }
    6. }
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)

305 drop wbq44

306
307 note wbq11: Often

308
309 forvalues i=1/4 {
    2. replace wbq1`i'=1 if offelche`i'==4
    3. replace wbq1`i'=2 if offelche`i'==3
    4. replace wbq1`i'=3 if offelche`i'==2
    5. replace wbq1`i'=4 if offelche`i'==1
    6. replace wbq1`i'=0 if offelche`i'==5
    7. replace wbq1`i'=5 if (offelche`i'==7 | offelche`i'==8)
    8. note wbq1`i': offelche`i' (0=5) (1=4) (2=3) (3=2) (4=1) (5=-7,-8)
    9. if `i'==1{
    10. note wbq1`i': Often you feel Cheerful (wb)
    11. }
    12. else if `i'==2{
    13. note wbq1`i': Often you feel Bored (wb)
    14. }
    15. else if `i'==3{
    16. note wbq1`i': Often you feel Full of Life (wb)
    17. }
    18. else if `i'==4{
    19. note wbq1`i': Often you feel Upset (wb)
    20. }
    21. note wbq1`i': Located in NHATS Setup, under Part 7.
    22. note wbq1`i': Created: 04/05/19-MH
    23. }
(1,135 real changes made)
(6,454 real changes made)
(19,247 real changes made)
(11,415 real changes made)
(376 real changes made)
(584 real changes made)
(11,928 real changes made)
(9,406 real changes made)

```

```

(1,729 real changes made)
(1,302 real changes made)
(14,266 real changes made)
(580 real changes made)
(2,829 real changes made)
(8,411 real changes made)
(14,695 real changes made)
(11,393 real changes made)
(1,211 real changes made)
(672 real changes made)
(18,763 real changes made)
(9,615 real changes made)
(1,193 real changes made)
(710 real changes made)
(8,342 real changes made)
(588 real changes made)

310
311
312 label var wbq11 "Often you Feel Cheerful"

313 rename wbq11 oftcheer

314 label define oftcheer 0 "Never" 1 "Rarely (Once a Week or Less)" 2 "Some Days (
> 2-4 Days a Week)" ///
> 3 "Most Days(5-6 Days a Week)" 4 "Every Day (7 Days a Week)" 5 "RF/DK"

315 label values oftcheer oftcheer

316 label var wbq12 "Often you Feel Bored"

317 rename wbq12 oftbored

318 label values oftbored oftcheer

319 label var wbq13 "Often you Feel Full of Life"

320 rename wbq13 oftfol

321 label values oftfol oftcheer

322 label var wbq14 "Often you Feel Upset"

323 rename wbq14 oftupset

324 label values oftupset oftcheer

325
326 note drop oftcheer in 1
    (1 note dropped)

327 note renumber oftcheer

328
329 forvalues i=1/4 {
    2. replace wbq2`i'=1 if truestime`i'==3
    3. replace wbq2`i'=2 if truestime`i'==2
    4. replace wbq2`i'=3 if truestime`i'==1
    5. replace wbq2`i'=4 if (truestime`i'==7 | truestime`i'==8)
    6. note wbq2`i': truestime`i' (1=3) (2=2) (3=1) (4=-7,-8)
    7. if `i'==1{
    8. note wbq2`i': Life has Meaning and Purpose (wb)
    9. }
    10. else if `i'==2{
    11. note wbq2`i': I Feel Confident and Good about Myself (wb)
    12. }
    13. else if `i'==3{
    14. note wbq2`i': I gave up trying ot imporve my life a long time ago (wb)
    15. }
    16. else if `i'==4{
    17. note wbq2`i': I like my living situation very much (wb)
    18. }

```

```

19. note wbq2`i`: Located in NHATS Setup, under Part 7.
20. note wbq2`i`: Created: 04/05/18-MH
21. }
(893 real changes made)
(5,980 real changes made)
(31,558 real changes made)
(780 real changes made)
(648 real changes made)
(5,649 real changes made)
(32,273 real changes made)
(641 real changes made)
(27,259 real changes made)
(6,731 real changes made)
(4,340 real changes made)
(881 real changes made)
(1,497 real changes made)
(5,502 real changes made)
(31,570 real changes made)
(642 real changes made)

330
331
332 label var wbq21 "Life has Meaning Purpose"

333 rename wbq21 lifemean

334 label define lifemean 1 "Agree Not at All" 2 "Agree a Little" 3 "Agree A Lot"
> 4 "RF/DK"

335 label values lifemean lifemean

336 label var wbq22 "Feels Confident"

337 rename wbq22 confident

338 label values confident lifemean

339 label var wbq23 "Gave up Improving Life"

340 rename wbq23 giveup

341 label values giveup lifemean

342 label var wbq24 "Likes Living Situation"

343 rename wbq24 livingsit

344 label values livingsit lifemean

345
346
347 forvalues i=1/3 {
  2. replace wbq4`i`=1 if agrwstmt`i`==3
  3. replace wbq4`i`=2 if agrwstmt`i`==2
  4. replace wbq4`i`=3 if agrwstmt`i`==1
  5. replace wbq4`i`=4 if (agrwstmt`i`== -7 | agrwstmt`i`== -8)
  6. note wbq4`i`: truestme`i` (1=3) (2=2) (3=1) (4=-7,-8)
  7. if `i`==1{
  8. note wbq4`i`: Other people determine most of what I can and cannot do (wb)
  9. }
  10. else if `i`==2{
  11. note wbq4`i`: When I really want to do something, I usually find a way to d
> o it. (wb)
  12. }
  13. else if `i`==3{
  14. note wbq4`i`: I have an easy time adjusting to change. (wb)
  15. }
  16. note wbq4`i`: Located in NHATS Setup, under Part 7.
  17. note wbq4`i`: Created: 04/05/18-MH
  18. }
(26,335 real changes made)
(7,963 real changes made)

```



```

(4,109 real changes made)
(804 real changes made)
(562 real changes made)
(3,679 real changes made)
(34,316 real changes made)
(654 real changes made)
(4,523 real changes made)
(13,508 real changes made)
(20,398 real changes made)
(782 real changes made)

348
349
350 label var wbq41 "Self Determination"

351 rename wbq41 selfdeter

352 label values selfdeter lifemean

353 label var wbq42 "Want-Finds Way to Do"

354 rename wbq42 findway

355 label values findway lifemean

356 label var wbq43 "Easily Adjust to Change"

357 rename wbq43 adjchg

358 label values adjchg lifemean

359
360
361 capture drop agefeel

362 egen agefeel= rowmax(ageyofeel)

363 replace agefeel=. if agefeel==9 | agefeel==8 | agefeel==7 | agefeel==1
    (10,818 real changes made, 10,818 to missing)

364 label var agefeel "Age you Feel Most Times"

365
366 note agefeel: From ageyofeel

367 note agefeel: Age you feel most of the time

368 note agefeel: Located in NHATS Setup, under Part 7.

369 note agefeel: Created: 04/05/18-MH

370
371 ///// 3/2/18 --Adding in meal skippped questions; update 3/13 added in EW18
    > //missing if in NH-FQ, dead, in NH-FQ R1 & R2
372
373 local ew mealskip1 nopayhous nopayutil nopaymed

374
375 foreach x in `ew'{
    2. tab `x'
    3. replace `x'=0 if `x'==2
    4. replace `x'=1 if `x'==1
    5. replace `x'=. if inlist(`x', -9,-8,-7,-1)
    6. note `x': `x' (0=2) (1=1) (.-9,-8,-7,-1)
    7. if "`x'"=="mealskip1"{
    8. note `x': Skip any meals b/c there was not enough food, or money to buy foo
    > d
    9. }
    10. else if "`x'"=="nopayhous"{
    11. note `x': Not enough money to pay rent or mortgage
    12. }
    13. else if "`x'"=="nopayutil"{

```

```

14. note `x': Not enough money to pay utility bills(gas, electric)
15. }
16. else if "`x'"=="nopaymed"{
17. note `x': Not enough money to pay medical or prescription drug bills
18. }
19. note `x': Located in NHATS Setup, under Part 7.
20. note `x': Created: 04/05/18-MH
21. }

```

R2 EW16 SKIP MEALS NO MONEY	Freq.	Percent	Cum.
-9 Missing	1,039	2.63	2.63
-8 DK	574	1.45	4.08
-7 RF	110	0.28	4.36
-1 Inapplicable	3,965	10.03	14.39
1 YES	341	0.86	15.25
2 NO	33,504	84.75	100.00
Total	39,533	100.00	

(33,504 real changes made)

(0 real changes made)

(5,688 real changes made, 5,688 to missing)

R2 EW18 NO MONEY FOR HOUSING	Freq.	Percent	Cum.
-9 Missing	1,039	2.63	2.63
-8 DK	624	1.58	4.21
-7 RF	189	0.48	4.68
-1 Inapplicable	3,965	10.03	14.71
1 YES	744	1.88	16.60
2 NO	32,972	83.40	100.00
Total	39,533	100.00	

(32,972 real changes made)

(0 real changes made)

(5,817 real changes made, 5,817 to missing)

R2 EW18 NO MONEY FOR UTILITIES	Freq.	Percent	Cum.
-9 Missing	1,039	2.63	2.63
-8 DK	621	1.57	4.20
-7 RF	146	0.37	4.57
-1 Inapplicable	3,965	10.03	14.60
1 YES	1,214	3.07	17.67
2 NO	32,548	82.33	100.00
Total	39,533	100.00	

(32,548 real changes made)

(0 real changes made)

(5,771 real changes made, 5,771 to missing)

R2 EW18 NO MONEY FOR MEDICAL	Freq.	Percent	Cum.
-9 Missing	1,039	2.63	2.63
-8 DK	629	1.59	4.22
-7 RF	145	0.37	4.59
-1 Inapplicable	3,965	10.03	14.62
1 YES	1,247	3.15	17.77
2 NO	32,508	82.23	100.00
Total	39,533	100.00	

(32,508 real changes made)

(0 real changes made)

(5,778 real changes made, 5,778 to missing)

```

376
377
378 label var mealskip1 "No Money, Meals Skipped"

379 label var nopayhous "No Money for Housing"

380 label var nopayutil "No Money for Utilities"

381 label var nopaymed "No Money for Medical"

382
383 label define mealskip 0 "No" 1 "Yes"

384 foreach x in `ew' {
      2. label values `ew' mealskip
      3. }

385 rename mealskip1 mealskip

386
387 gen mealskipnum=.
      (47,778 missing values generated)

388 replace mealskipnum=0 if mealskip2== -1 & mealskip==0
      (33,504 real changes made)

389 replace mealskipnum=1 if mealskip2==4
      (188 real changes made)

390 replace mealskipnum=2 if mealskip2==3
      (79 real changes made)

391 replace mealskipnum=3 if mealskip2==2
      (26 real changes made)

392 replace mealskipnum=4 if mealskip2==1
      (40 real changes made)

393
394
395 label var mealskipnum "How Often Meals Skipped"

396 label define mealskipnum1 0 "No" 1 "A Few Days" 2 "Several Days(less than half
      > )" ///
      > 3 "More than Half the Days" 4 " Nearly Every Day" 5 "RF/DK"

397 label values mealskipnum mealskipnum1

398
399 note mealskipnum: mealskip2 mealskip1 (0=mealskip2 -1 & mealskip1 0) (1=4) (2=
      > 3) (3=2) (4=1)

400 note mealskipnum: How often are meals skipped

401 note mealskipnum: Located in NHATS Setup, under Part 7.

402 note mealskipnum: Created: 04/05/18-MH

403
404 ///// 12/5/17 --Adding in Cancer
      >

```

[illegible]

```
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
```

```
421
```

```
422 local r=1
```

```
423 foreach x in sr_skincancer_had sr_breastcancer_had sr_prostatecancer_had sr_bl
> addercancer_had ///
> sr_crvovrnutrncancer_had sr_coloncancer_had sr_kidneycancer_had sr_othercancer
> _had{
  2. replace `x'=0 if inlist(`x',-1,2)
  3. replace `x'=. if inlist(`x', -9,-8)
  4. notes `x': cancerty`r' (0=-1,2) (.-=-9,-8)
  5. if "`x'"=="sr_skincancer_had"{
  6. notes `x': Had Skin Cancer
  7. }
  8. else if "`x'"=="sr_breastcancer_had"{
  9. notes `x': Had Breast Cancer
  10. }
  11. else if "`x'"=="sr_prostatecancer_had"{
  12. notes `x': Had Prostate Cancer
  13. }
  14. else if "`x'"=="sr_bladdercancer_had"{
  15. notes `x': Had Bladder Cancer
  16. }
  17. else if "`x'"=="sr_crvovrnutrncancer_had"{
  18. notes `x': Had Cervical/Ovarian/Uterine Cancer
  19. }
  20. else if "`x'"=="sr_coloncancer_had"{
  21. notes `x': Had Colon Cancer
  22. }
  23. else if "`x'"=="sr_kidneycancer_had"{
  24. notes `x': Had Kidney Cancer
  25. }
  26. else if "`x'"=="sr_othercancer_had"{
  27. notes `x': Had Other Type of Cancer
  28. }
  29. note `x': Located in NHATS Setup, under Part 7.
  30. note `x': Created: 04/05/18-MH
  31. local r=`r'+1
  32. }
(32,498 real changes made)
(847 real changes made, 847 to missing)
(33,330 real changes made)
(843 real changes made, 843 to missing)
(33,273 real changes made)
(843 real changes made, 843 to missing)
(33,897 real changes made)
(843 real changes made, 843 to missing)
(33,822 real changes made)
(843 real changes made, 843 to missing)
(33,784 real changes made)
(843 real changes made, 843 to missing)
(33,957 real changes made)
(843 real changes made, 843 to missing)
(33,343 real changes made)
(843 real changes made, 843 to missing)
```

```

424
425 label var sr_skincancer_had "Sensitive: Skin Cancer"
426 label var sr_breastcancer_had "Sensitive: Breast Cancer"
427 label var sr_prostatecancer_had "Sensitive: Prostate Cancer"
428 label var sr_bladdercancer_had "Sensitive: Bladder Cancer"
429 label var sr_crvovrnutrncancer_had "Sensitive: Cervical/Ovarian/Uterine Cancer
> "
430 label var sr_coloncancer_had "Sensitive: Colon Cancer"
431 label var sr_kidneycancer_had "Sensitive: Kidney Cancer"
432 label var sr_othercancer_had "Sensitive: Other Cancer"
433
434 //recoding all refuse, dk, na, as missing
435 qui destring *, replace
436 foreach x of varlist * {
    2.         replace `x'=. if inlist(`x',-1,-7,-8,-9)
    3. }
(0 real changes made)
(0 real changes made)
(2,969 real changes made, 2,969 to missing)
(42,177 real changes made, 42,177 to missing)
(42,177 real changes made, 42,177 to missing)
(42,177 real changes made, 42,177 to missing)
(42,177 real changes made, 42,177 to missing)
(42,177 real changes made, 42,177 to missing)
(42,177 real changes made, 42,177 to missing)
(42,177 real changes made, 42,177 to missing)
(0 real changes made)
(2,671 real changes made, 2,671 to missing)
(42,182 real changes made, 42,182 to missing)
(42,259 real changes made, 42,259 to missing)
(42,182 real changes made, 42,182 to missing)
(34,518 real changes made, 34,518 to missing)
(636 real changes made, 636 to missing)
(1 real change made, 1 to missing)
(5,640 real changes made, 5,640 to missing)
(12,732 real changes made, 12,732 to missing)
(5,673 real changes made, 5,673 to missing)
(5,699 real changes made, 5,699 to missing)
(5,718 real changes made, 5,718 to missing)
(5,683 real changes made, 5,683 to missing)
(5,685 real changes made, 5,685 to missing)
(5,772 real changes made, 5,772 to missing)
(5,664 real changes made, 5,664 to missing)
(5,671 real changes made, 5,671 to missing)
(5,701 real changes made, 5,701 to missing)
(5,675 real changes made, 5,675 to missing)
(5,680 real changes made, 5,680 to missing)
(30,793 real changes made, 30,793 to missing)
(15,940 real changes made, 15,940 to missing)
(5,656 real changes made, 5,656 to missing)
(5,673 real changes made, 5,673 to missing)
(5,038 real changes made, 5,038 to missing)
(5,782 real changes made, 5,782 to missing)
(37,711 real changes made, 37,711 to missing)
(5,026 real changes made, 5,026 to missing)
(15,360 real changes made, 15,360 to missing)
(14,933 real changes made, 14,933 to missing)
(5,027 real changes made, 5,027 to missing)
(16,415 real changes made, 16,415 to missing)
(15,921 real changes made, 15,921 to missing)
(5,037 real changes made, 5,037 to missing)
(12,312 real changes made, 12,312 to missing)
(12,541 real changes made, 12,541 to missing)

```

(5,031 real changes made, 5,031 to missing)
(16,068 real changes made, 16,068 to missing)
(15,564 real changes made, 15,564 to missing)
(5,037 real changes made, 5,037 to missing)
(15,144 real changes made, 15,144 to missing)
(14,803 real changes made, 14,803 to missing)
(5,668 real changes made, 5,668 to missing)
(5,707 real changes made, 5,707 to missing)
(34,745 real changes made, 34,745 to missing)
(10,681 real changes made, 10,681 to missing)
(33,720 real changes made, 33,720 to missing)
(5,939 real changes made, 5,939 to missing)
(5,860 real changes made, 5,860 to missing)
(5,841 real changes made, 5,841 to missing)
(5,910 real changes made, 5,910 to missing)
(5,943 real changes made, 5,943 to missing)
(5,957 real changes made, 5,957 to missing)
(5,790 real changes made, 5,790 to missing)
(37,656 real changes made, 37,656 to missing)
(44,080 real changes made, 44,080 to missing)
(3,888 real changes made, 3,888 to missing)
(42,366 real changes made, 42,366 to missing)
(35,214 real changes made, 35,214 to missing)
(43,990 real changes made, 43,990 to missing)
(10,788 real changes made, 10,788 to missing)
(42,070 real changes made, 42,070 to missing)
(4,475 real changes made, 4,475 to missing)
(41,977 real changes made, 41,977 to missing)
(27,637 real changes made, 27,637 to missing)
(27,612 real changes made, 27,612 to missing)
(47,287 real changes made, 47,287 to missing)
(45,078 real changes made, 45,078 to missing)
(5,629 real changes made, 5,629 to missing)
(27,333 real changes made, 27,333 to missing)
(5,671 real changes made, 5,671 to missing)
(5,640 real changes made, 5,640 to missing)
(5,640 real changes made, 5,640 to missing)
(662 real changes made, 662 to missing)
(14,698 real changes made, 14,698 to missing)
(16,105 real changes made, 16,105 to missing)
(5,640 real changes made, 5,640 to missing)
(5,640 real changes made, 5,640 to missing)
(5,640 real changes made, 5,640 to missing)
(5,640 real changes made, 5,640 to missing)
(8,193 real changes made, 8,193 to missing)
(45,363 real changes made, 45,363 to missing)
(5,679 real changes made, 5,679 to missing)
(41,246 real changes made, 41,246 to missing)
(5,691 real changes made, 5,691 to missing)
(45,728 real changes made, 45,728 to missing)
(45,761 real changes made, 45,761 to missing)
(45,252 real changes made, 45,252 to missing)
(45,257 real changes made, 45,257 to missing)
(13,091 real changes made, 13,091 to missing)
(30,153 real changes made, 30,153 to missing)
(30,155 real changes made, 30,155 to missing)
(30,166 real changes made, 30,166 to missing)
(46,422 real changes made, 46,422 to missing)
(5,659 real changes made, 5,659 to missing)
(5,669 real changes made, 5,669 to missing)
(5,998 real changes made, 5,998 to missing)
(5,999 real changes made, 5,999 to missing)
(5,720 real changes made, 5,720 to missing)
(5,689 real changes made, 5,689 to missing)
(8,659 real changes made, 8,659 to missing)
(45,591 real changes made, 45,591 to missing)
(46,943 real changes made, 46,943 to missing)
(6,549 real changes made, 6,549 to missing)
(2,926 real changes made, 2,926 to missing)
(24,788 real changes made, 24,788 to missing)
(28,340 real changes made, 28,340 to missing)
(32,235 real changes made, 32,235 to missing)

[illegible]

(44,867 real changes made, 44,867 to missing)
(44,897 real changes made, 44,897 to missing)
(44,851 real changes made, 44,851 to missing)
(46,395 real changes made, 46,395 to missing)
(46,210 real changes made, 46,210 to missing)
(46,210 real changes made, 46,210 to missing)
(46,210 real changes made, 46,210 to missing)
(46,210 real changes made, 46,210 to missing)
(46,210 real changes made, 46,210 to missing)
(46,210 real changes made, 46,210 to missing)
(46,210 real changes made, 46,210 to missing)
(46,210 real changes made, 46,210 to missing)
(8,607 real changes made, 8,607 to missing)
(24,080 real changes made, 24,080 to missing)
(8,600 real changes made, 8,600 to missing)
(7,217 real changes made, 7,217 to missing)
(7,216 real changes made, 7,216 to missing)
(7,217 real changes made, 7,217 to missing)
(7,215 real changes made, 7,215 to missing)
(7,209 real changes made, 7,209 to missing)
(7,810 real changes made, 7,810 to missing)
(5,655 real changes made, 5,655 to missing)
(8,303 real changes made, 8,303 to missing)
(9,854 real changes made, 9,854 to missing)
(12,239 real changes made, 12,239 to missing)
(17,295 real changes made, 17,295 to missing)
(25,333 real changes made, 25,333 to missing)
(34,713 real changes made, 34,713 to missing)
(42,074 real changes made, 42,074 to missing)
(45,953 real changes made, 45,953 to missing)
(47,380 real changes made, 47,380 to missing)
(21,106 real changes made, 21,106 to missing)
(6,186 real changes made, 6,186 to missing)
(39,062 real changes made, 39,062 to missing)
(39,235 real changes made, 39,235 to missing)
(8,963 real changes made, 8,963 to missing)
(41,789 real changes made, 41,789 to missing)
(7,810 real changes made, 7,810 to missing)
(7,810 real changes made, 7,810 to missing)
(7,810 real changes made, 7,810 to missing)
(7,810 real changes made, 7,810 to missing)
(6,689 real changes made, 6,689 to missing)
(6,688 real changes made, 6,688 to missing)
(7,810 real changes made, 7,810 to missing)
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(7,319 real changes made, 7,319 to missing)
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(39,707 real changes made, 39,707 to missing)
(46,315 real changes made, 46,315 to missing)
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(44,308 real changes made, 44,308 to missing)
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(36,862 real changes made, 36,862 to missing)
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(37,130 real changes made, 37,130 to missing)
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(38,672 real changes made, 38,672 to missing)

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(6,945 real changes made, 6,945 to missing)
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(14,306 real changes made, 14,306 to missing)
(15,926 real changes made, 15,926 to missing)
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(44,137 real changes made, 44,137 to missing)

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(43,606 real changes made, 43,606 to missing)
(8,524 real changes made, 8,524 to missing)
(9,248 real changes made, 9,248 to missing)
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(16,157 real changes made, 16,157 to missing)
(17,774 real changes made, 17,774 to missing)
(19,575 real changes made, 19,575 to missing)
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(43,957 real changes made, 43,957 to missing)
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(13,040 real changes made, 13,040 to missing)
(14,588 real changes made, 14,588 to missing)
(16,695 real changes made, 16,695 to missing)
(16,695 real changes made, 16,695 to missing)
(43,739 real changes made, 43,739 to missing)
(0 real changes made)
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(12,036 real changes made, 12,036 to missing)
(14,421 real changes made, 14,421 to missing)
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(43,549 real changes made, 43,549 to missing)
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(10,866 real changes made, 10,866 to missing)
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(13,284 real changes made, 13,284 to missing)
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(43,721 real changes made, 43,721 to missing)
(43,721 real changes made, 43,721 to missing)
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(26,820 real changes made, 26,820 to missing)
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(71 real changes made, 71 to missing)
(81 real changes made, 81 to missing)
(3 real changes made, 3 to missing)
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(43 real changes made, 43 to missing)
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(2,168 real changes made, 2,168 to missing)
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(734 real changes made, 734 to missing)
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(241 real changes made, 241 to missing)
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(5,661 real changes made, 5,661 to missing)
(1,527 real changes made, 1,527 to missing)
(2,014 real changes made, 2,014 to missing)
(2,639 real changes made, 2,639 to missing)
(1,083 real changes made, 1,083 to missing)
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(13,234 real changes made, 13,234 to missing)
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(59 real changes made, 59 to missing)
(123 real changes made, 123 to missing)
(51 real changes made, 51 to missing)
(61 real changes made, 61 to missing)
(125 real changes made, 125 to missing)
(53 real changes made, 53 to missing)
(40 real changes made, 40 to missing)
(95 real changes made, 95 to missing)
(37 real changes made, 37 to missing)
(16 real changes made, 16 to missing)
(37 real changes made, 37 to missing)
(12 real changes made, 12 to missing)
(78 real changes made, 78 to missing)
(78 real changes made, 78 to missing)
(62 real changes made, 62 to missing)
(43 real changes made, 43 to missing)
(43 real changes made, 43 to missing)
(33 real changes made, 33 to missing)
(45 real changes made, 45 to missing)
(45 real changes made, 45 to missing)
(29 real changes made, 29 to missing)
(132 real changes made, 132 to missing)
(132 real changes made, 132 to missing)
(105 real changes made, 105 to missing)
(24 real changes made, 24 to missing)
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(5,640 real changes made, 5,640 to missing)
(46,571 real changes made, 46,571 to missing)
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(0 real changes made)
(3,316 real changes made, 3,316 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)

438

```
440 gen howgetdoc=.
```

(47,778 missing values generated)

```
441 forvalues i=1/9 {
    2. replace howgetdoc=`i' if hwgtregd`i'==1
    3. }
(24,378 real changes made)
(13,393 real changes made)
(550 real changes made)
(1,187 real changes made)
(909 real changes made)
(412 real changes made)
(598 real changes made)
(773 real changes made)
(300 real changes made)
```

```

442 note howgetdoc: hwgtredd# used to create variable
443 note howgetdoc: How did you get a ride to the doctor; transportation method
444 note howgetdoc: Located in NHATS Setup, under Part 7.
445 note howgetdoc: Created: 04/05/18-MH

446
447 label define howgetdoc 1 "Drove" 2 "Got a Ride" 3 "Van/Shuttle from place live
> s" ///
> 4 "Van/Shuttle for seniors & disabled" 5 "Public transit" 6 "Taxi" 7 "Walked" /
> //
> 8 "Home visit" 9 "Other" 0 "Did not See Doctor" 10 "Refused/DK"

448 label values howgetdoc howgetdoc

449
450
451 //note 11/14/17--add importance of activities
452 gen ind_imp_visit=.
(47,778 missing values generated)

453 gen ind_imp_relig=.
(47,778 missing values generated)

454 gen ind_imp_club=.
(47,778 missing values generated)

455 gen ind_imp_goout=.
(47,778 missing values generated)

456
457 replace ind_imp_visit=inlist(impvstfam,1,2)
(47,778 real changes made)

458 replace ind_imp_relig=inlist(imprelser,1,2)
(47,778 real changes made)

459 replace ind_imp_club=inlist(impclub,1,2)
(47,778 real changes made)

460 replace ind_imp_goout=inlist(impouteny,1,2)
(47,778 real changes made)

461
462 note ind_imp_visit: impvstfam (1=1,2) (0=3)

463 note ind_imp_visit: Very/somewhat important to visit friends/family in person

464 note ind_imp_relig: imprelser (1=1,2) (0=3)

465 note ind_imp_relig: Very/somewhat important to attend religious services

466 note ind_imp_club: impclub (1=1,2) (0=3)

467 note ind_imp_club: Very/somewhat important to participate in clubs, classes, o
> r other organized activities.

468 note ind_imp_goout: impouteny (1=1,2) (0=3)

```



```

469 note ind_imp_goout: Very/somewhat important to go out for enjoyment
470
471 foreach x in visit relig club goout{
472     2. note ind_imp_`x': Located in NHATS Setup, under Part 7.
473     3. note ind_imp_`x': Created: 04/05/19-MH
474     4. }
475
476 label var ind_imp_visit "Very/somewhat important to visit in person with friend
477 > ds/family"
478
479 label var ind_imp_relig "Very/somewhat important to attend religious services"
480
481 label var ind_imp_club "Very/somewhat important to participate in clubs, classes,
482 > es, etc."
483
484 label var ind_imp_goout "Very/somewhat important to go out for enjoyment"
485
486
487 foreach x in out insd bed eat bath toilet dres {
488     2. gen device_`x'=.
489     3. }
490 (47,778 missing values generated)
491 (47,778 missing values generated)
492 (47,778 missing values generated)
493 (47,778 missing values generated)
494 (47,778 missing values generated)
495 (47,778 missing values generated)
496 (47,778 missing values generated)
497
498
499 label var device_out "Uses any assistive device for mobility outside"
500
501 label var device_ins "Uses any assistive device for mobility inside"
502
503 label var device_bed "Uses any assistive device to get out of bed"
504
505 label var device_eat "Uses any assistive device for eating"
506
507 label var device_bath "Uses any assistive device for bathing"
508
509 label var device_toil "Uses any assistive device for toileting"
510
511 label var device_dres "Uses any assistive device for dressing"
512
513
514 /*
515 > foreach x in eat bath toilet dres {
516 >     gen device_`x'=.
517 >     label var device_`x' "Uses assistive device for `x'ing"
518 > }
519 > */
520
521 foreach x in out insd bed eat bath toilet dres{
522     2. replace device_`x'=d`x'`devi'=2 if inlist(d`x'`devi',1,2)
523     3. note device_`x' : d`x'`devi' (2=1,2); derived variable
524     4. if "`x'"=="out"{
525     5.         note device_`x': Go outside using devices
526     6.     }
527     7. else if "`x'"=="insd"{
528     8.         note device_`x': Move inside with devices
529     9.     }
530    10. else if "`x'"=="bed"{
531    11.         note device_`x': Device used to get out of bed
532    12.     }
533    13. else if "`x'"=="eat"{
534    14.         note device_`x': Uses devices while eating
535    15.     }
536    16. else if "`x'"=="bath"{
537    17.         note device_`x': Uses devices while bathing

```

```

18.         }
19.         else if "`x'"=="toil"{
20.             note device_`x': Uses devices while toileting
21.         }
22.         else if "`x'"=="dres"{
23.             note device_`x': Uses devices while dressing
24.         }
25.         note device_`x': Located in NHATS Setup, under Part 7.
26.         note device_`x': Created: 04/05/18-MH
27.     }
(41,262 real changes made)
(41,867 real changes made)
(42,072 real changes made)
(44,491 real changes made)
(26,812 real changes made)
(44,371 real changes made)
(44,213 real changes made)

492
493 /*
> foreach x in eat bath toil dres {
>     replace device_`x'=d`x'devi==2 if inlist(d`x'devi,1,2)
> }
> */
494 replace device_bath=0 if dbathdevi==9
(17,217 real changes made)

495
496
497 gen device_any=0

498 foreach x in out ins bed eat bath toil dres {
2.     replace device_any=1 if device_`x'==1
3. }
(12,341 real changes made)
(1,015 real changes made)
(59 real changes made)
(264 real changes made)
(10,992 real changes made)
(6,735 real changes made)
(126 real changes made)

499 note device_any: Derived using device_ variables. 1 is any device used.
500 note device_any: Any devices used for ADL's.
501 note device_any: Located in NHATS Setup, under Part 7.
502 note device_any: Created: 04/05/18-MH

503
504 label var device_any "Uses any assistive device for ADLs"

505
506 rename drives dt drives //a drive flag exists in nhats

507 //making our own drive variable
508 gen drives=.
(47,778 missing values generated)

```

```

509 replace drives=oftedrive>0 & oftedrive<5
    (47,778 real changes made)

510
511 label var drives "Drives"

512
513 note drives: oftedrive (1=1,2,3,4) (0=5)

514 note drives: Did you ever drive.

515 note drives: Located in NHATS Setup, under Part 7.

516 note drives: Created: 04/05/18-MH

517
518 gen avoids=.
    (47,778 missing values generated)

519 replace avoids=0 if oftedrive>0 & oftedrive!=5 & avoidriv1==2 & avoidriv2==2 &
    > avoidriv4==2
    (16,750 real changes made)

520
521 local avoids avoidriv1 avoidriv2 avoidriv4

522
523 foreach x of varlist `avoids' {
    2.         replace avoids=1 if `x'==1
    3.         replace `x'=. if `x'<0
    4.     }
    (9,749 real changes made)
    (0 real changes made)
    (299 real changes made)
    (0 real changes made)
    (1,192 real changes made)
    (0 real changes made)

524
525 label var avoids "Avoids driving alone/at night/in weather*"

526
527 note avoids: oftedrive avoidriv1 avoidriv2 avoidriv4

528 note avoids: a person drives and doesn't avoid driving.

529 note avoids: Located in NHATS Setup, under Part 7.

530 note avoids: Created: 04/05/18-MH

531
532 gen miss=0

533 gen ind_transp_disadv=.
    (47,778 missing values generated)

534
535 replace ind_transp_disadv=0 if oftedrive==. | inlist(oftedrive,5,6)
    (19,187 real changes made)

```

```

536 local probs trkpfrvis trprrelsr trprkpfgr trprgoout
537 foreach x in `probs' {
    2. replace ind_transp_disadv=1 if `x'==1
    3. gen `x'2=`x'==1 if `x'>=0 & !missing(`x')
    4. replace `x'=`x'2
    5. drop `x'2
    6. replace miss=miss+1 if missing(`x')
    7. }
    (1,848 real changes made)
    (34,281 missing values generated)
    (11,649 real changes made)
    (34,281 real changes made)
    (1,005 real changes made)
    (34,296 missing values generated)
    (11,630 real changes made)
    (34,296 real changes made)
    (350 real changes made)
    (34,277 missing values generated)
    (11,960 real changes made)
    (34,277 real changes made)
    (264 real changes made)
    (34,275 missing values generated)
    (11,880 real changes made)
    (34,275 real changes made)

538
539 replace ind_transp_disadv=0 if !miss & missing(ind_transp_disadv)
    (0 real changes made)

540 replace ind_transp_disadv=. if miss==4
    (5,653 real changes made, 5,653 to missing)

541 label var ind_transp_disadv "Any transportation disadvantage"

542 drop miss

543
544 note ind_transp_disadv: oftedrive trkpfrvis trprrelsr trprkpfgr trprgoout
545 note ind_transp_disadv: Indicate any transportation disadvantage
546 note ind_transp_disadv: Located in NHATS Setup, under Part 7.
547 note ind_transp_disadv: Created: 04/05/18-MH

548
549 local lab1 Walked
550 local lab2 Got ride
551 local lab3 Van or shuttle provided by place of residence
552 local lab4 Van or shuttle for seniors
553 local lab5 Public transportation
554 local lab6 Taxi
555 local lab7 Other

```

```

556 local l=1

557
558 forvalues i=1/7 {
    2. gen get_places`i'=.
    3. }
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)

559
560 replace getoplbs3=0 if !missing(getoplbs7) & missing(getoplbs3)
(35,030 real changes made)

561 forvalues x=1/7 {
    2. replace get_places`x'=getoplbs`x'==1
    3. replace get_places`x'=. if (inlist(getoplbs7,-1,.) | getoplbs`x'==.
    > )
    4. label var get_places`x' "Get places: `lab`x'"
    5. note get_places`x': getoplbs`x'
    6. note get_places`x': `lab`x' to get to places
    7. note get_places`x': Located in NHATS Setup, under Part 7.
    8. note get_places`x': Created: 04/05/18-MH
    9. local l=`l'+1
    10.
562 }
(47,778 real changes made)
(6,030 real changes made, 6,030 to missing)
(47,778 real changes made)
(6,040 real changes made, 6,040 to missing)
(47,778 real changes made)
(6,013 real changes made, 6,013 to missing)
(47,778 real changes made)
(6,030 real changes made, 6,030 to missing)
(47,778 real changes made)
(6,019 real changes made, 6,019 to missing)
(47,778 real changes made)
(6,019 real changes made, 6,019 to missing)
(47,778 real changes made)
(6,013 real changes made, 6,013 to missing)

563
564 //marital status-3 vars: married, married_or_partnered
565
566 gen married=maritalstat==1 if maritalstat!=. //married
(5,661 missing values generated)

567 gen marital_sep=maritalstat==3 if !mi(maritalstat)
(5,661 missing values generated)

568 gen marital_div=maritalstat==4 if !mi(maritalstat)
(5,661 missing values generated)

569 gen marital_wid=maritalstat==5 if !mi(maritalstat)
(5,661 missing values generated)

```

```

570 gen marital_nev=maritalstat==6 if !mi(maritalstat)
    (5,661 missing values generated)

571 gen marriedpartnered=married
    (5,661 missing values generated)

572 replace marriedpartnered=1 if maritalstat==2 //living with a partner
    (822 real changes made)

573 gen marital_sd=marital_sep
    (5,661 missing values generated)

574 replace marital_sd=1 if marital_div==1
    (4,699 real changes made)

575
576 label var married "Married"

577 label var marriedpartnered "Married or Live w/ Partner"

578 label var marital_sep "Separated"

579 label var marital_div "Divorced"

580 label var marital_wid "Widowed"

581 label var marital_nev "Never married"

582 notes married : martlstat

583 notes married : (Y/N)

584 notes married : E:\nhats\nhats_code\NHATS data setup\NHATS_Setup, step-3 heade
    > r for intermediate var and step-7 for final

585 notes married : Updated: 04/05/18-MH

586
587 foreach x in marital_sep marital_div marital_wid marital_nev marriedpartnered
    > marital_sd{
    2. notes `x': martlstat dmarstat
    3.     if "`x'"=="marital_sep"{
    4.         notes `x': Seperated, marital status.
    5.     }
    6.     if "`x'"=="marital_div"{
    7.         notes `x': Divorced, marital status.
    8.     }
    9.     if "`x'"=="marital_wid"{
    10.        notes `x': Widowed, marital status.
    11.    }
    12.    if "`x'"=="marital_nev"{
    13.        notes `x': Never Married, marital status.
    14.    }
    15.    if "`x'"=="marriedpartnered"{
    16.        notes `x': Married or Living with a partner.
    17.    }
    18.    if "`x'"=="marital_sep"{
    19.        notes `x': Seperated or Divorced, marital status.
    20.    }
    21. note `x': Located in NHATS Setup part 3 initial cleanup, part 7 final clean
    > up.
    22. note `x': Created: 04/05/18-MH
    23. }

```

```

588
589 //lives with spouse
590 gen resspouse=.
    (47,778 missing values generated)

591 replace resspouse=livwthspo==1 if livwthspo>0
    (47,778 real changes made)

592 replace resspouse=0 if marriedpart==0
    (0 real changes made)

593
594 label var resspouse "Lives with Spouse/Partner"

595 notes resspouse : livwthspo martlstat

596 notes resspouse : Living with spouse or partner (Y/N)

597 notes resspouse : Located in NHATS Setup, under Part 7.

598 notes resspouse : Updated: 04/08/19-MH

599
600 //household members
601 gen hhm=.
    (47,778 missing values generated)

602 replace hhm=dhshldnum if dhshldnum>0
    (42,135 real changes made)

603
604 label var hhm "Number of household members"

605 notes hhm : dhshldnum

606 notes hhm : Count of the number of household members.

607 notes hhm : Located in NHATS Setup, under Part 7.

608 notes hhm : Updated: 04/08/19-MH

609
610 //age categorical
611
612 sort spid wave

613 by spid: replace age=age[_n-1]+1 if missing(age)
    (2172 real changes made)

614 label var age "Sensitive: age"

615
616 gen agecat = .
    (47,778 missing values generated)

617 replace agecat= d2intvrage
    (45,107 real changes made)

618 replace agecat=. if agecat== -1
    (0 real changes made)

```

```
619 label values agecat d2intvrage
620 label var agecat "Age, 5 yr categories"
621
622 notes agecat : d2intvrage (same)
623 notes agecat : Age cateory 65-59, 70-74, 75-79, 80-84, 85-89, 90+
624 notes agecat : Located in NHATS Setup, under Part 7.
625 notes agecat : Updated: 04/09/19-MH
626
627 //activities past month
628
629 gen attrelig=. //attend services
    (47,778 missing values generated)
630 gen imprelig=. //importance of religious services
    (47,778 missing values generated)
631 gen visitfrfam=. //visit fr. fam.
    (47,778 missing values generated)
632 gen impvisit=. //importance of visiting friends & fam
    (47,778 missing values generated)
633 gen attclub=. //participate in club, organized activity, class, etc.
    (47,778 missing values generated)
634 gen impclub=. //importance of such activities
    (47,778 missing values generated)
635 gen vigact=vigoractv //vigorous activities
    (5,684 missing values generated)
636
637
638 replace attrelig=attrelser==1 if attrelser>0
    (47,778 real changes made)
639 replace imprelig=imprelser if imprelser>0
    (41,951 real changes made)
640 replace visitfrfam=vistfrfam==1 if vistfrfam>0
    (47,778 real changes made)
641 replace impvisit=impvstfam if impvstfam>0
    (41,966 real changes made)
642 replace attclub=clbmtgrac==1 if clbmtgrac>0
    (47,778 real changes made)
643 replace impclub=imparclub if imparclub>0
    (41,995 real changes made)
644 //replace vigact=vigoractv==1 if vigoractv>0
645
646
```



```

647 gen religvimp=imprelig==1 if imprelig!=. //very important binary
    (5,827 missing values generated)

648
649 label var attrelig "Past mo. Attend religious services"

650 label var imprelig "Importance of religious services"

651 label var religvimp "Religious services very important, yes/no"

652 label var visitfrfam "Past mo. visit friends or family"

653 label var impvisit "Importance of visiting friends/family"

654 label var attclub "Past mo. participate in clubs/classes/organized activities"

655 label var impclub "Importance of club/class/etc. participation"

656 label var vigact "Past mo. engage in vigorous activity"

657
658 label values imprelig palimprelser

659 label values impvisit palimpvstfam

660 label values impclub palimparclub

661
662 notes attrelig : attrelser (same)

663 notes attrelig : Ever attend religious services

664 notes attrelig : Located in NHATS Setup, under Part 7.

665 notes attrelig : Updated: 04/09/19-MH

666
667 notes imprelig : imprelser (same)

668 notes imprelig : How important are religious services, very, somewhat, or not
    > so important.

669 notes imprelig : Located in NHATS Setup, under Part 7.

670 notes imprelig : Updated: 04/09/19-MH

671
672 notes visitfrfam : visfrfam (same)

673 notes visitfrfam : Ever visit in person with friends or family, not living wit
    > h.

674 notes visitfrfam : Located in NHATS Setup, under Part 7.

675 notes visitfrfam : Updated: 04/09/19-MH

676
677 notes impvisit : impvstfam (same)

678 notes impvisit : How important to visit in person with friends or family not 1
    > iving with.

```

```

679 notes impvisit : Located in NHATS Setup, under Part 7.
680 notes impvisit : Updated: 04/09/19-MH
681
682 notes attclub : clbmtgrac (same)
683 notes attclub : Ever participate in clubs, classes, or other organized activit
> es.
684 notes attclub : Located in NHATS Setup, under Part 7.
685 notes attclub : Updated: 04/09/19-MH
686
687 notes vigact : vigoractv (same)
688 notes vigact : Ever spend time on vigorous activites that increased heart rate
> . ///
> Working out, swimming, running, biking, or any sport.
689 notes vigact : Located in NHATS Setup, under Part 7.
690 notes vigact : Updated: 04/09/19-MH
691
692
693 //smokin'
694 gen smokedever=.
    (47,778 missing values generated)
695 gen smoke_start_age=.
    (47,778 missing values generated)
696 gen smoke_stop_age=.
    (47,778 missing values generated)
697
698 forvalues i=1(4)5 {
    2.         replace smokedever=smokedreg==1 if wave==`i' & smokedreg>0
    3.         replace smoke_start_age=agesrtsmk if wave==`i' & agesrtsmk>0
    4.         replace smoke_stop_age=agelstsmk if wave==`i' & agelstsmk>0
    5. }
    (8,245 real changes made)
    (3,741 real changes made)
    (3,183 real changes made)
    (8,334 real changes made)
    (1,886 real changes made)
    (1,591 real changes made)
699
700 sort spid wave
701 by spid: carryforward smokedever smoke_start_age smoke_stop_age, replace
    smokedever:  (31199 real changes made)
    smoke_start_age:  (16124 real changes made)
    smoke_stop_age:  (13794 real changes made)
702 notes drop smokedever smoke_start_age smoke_stop_age
    (3 notes dropped)

```

```

703 rename smokesnow smokesnow_old

704
705 notes smokedever: smokedreg

706 notes smokedever: Only in rounds 1,5. Ever smoke cigarettes regularly.

707
708 notes smoke_start_age: agesrtsmk

709 notes smoke_start_age: How old when first smoked, age.

710
711 notes smoke_stop_age: agelstsmk

712 notes smoke_stop_age: How old when last smoked cigarettes regularly.

713
714 foreach x in smokedever smoke_start_age smoke_stop_age{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x' : Updated: 04/10/19-MH
    4. }

715
716 gen smokesnow=.
    (47,778 missing values generated)

717 //Numcigever asked differently in rounds 1,5 then in other rounds. (Do you/ Di
    > d you)
718 //Wanted to see the num. of cigs. smoked by non-smokers.
719 by spid, sort: egen numcigsever=max(numcigday) if inlist(wave,1,5) & smokesnow
    > _old==2
    (41599 missing values generated)

720 by spid: carryforward numcigsever if smokesnow_old==2, replace
    numcigsever: (10823 real changes made)

721
722 notes drop numcigsever
    (1 note dropped)

723
724 notes numcigsever: numcigday

725 notes numcigsever: Take max if they were a non-smoker.

726
727 gen numcigsnow=.
    (47,778 missing values generated)

728
729 replace smokesnow=smokesnow_old==1 if smokesnow_old>0
    (47,778 real changes made)

730 replace numcigsnow=numcigday if smokesnow==1
    (2,786 real changes made)

731
732 replace smokedever=1 if smokesnow==1
    (512 real changes made)

```

```

733 replace smokesnow=0 if smokedever==0
    (0 real changes made)

734 replace numcigsnow=0 if smokesnow==0
    (44,965 real changes made)

735
736 notes smokesnow: smokedever

737 notes smokesnow:
    (no note added)

738
739
740 label var smokedever "Ever smoked"

741 label var smokesnow "Smokes now"

742 label var numcigsever "Max number of cigarettes/day when smoked for current no
    > n-smokers"

743 label var numcigsnow "Number of cigarettes/day currently"

744 label var smoke_start_age "Age started smoking"

745 label var smoke_stop_age "Age stopped smoking"

746
747 notes numcigsever: Located in NHATS Setup, under Part 7.

748 notes numcigsever: Updated: 04/10/19-MH

749
750 //pain
751 gen ind_pain=.
    (47,778 missing values generated)

752 replace ind_pain=painb==1 if inrange(painb,0,2)
    (42,083 real changes made)

753 label var ind_pain "Bothered by pain"

754
755 notes ind_pain: painbothr

756 notes ind_pain: Have been bothered by pain in the last month.

757 //weight
758
759 gen wgt_curr=.
    (47,778 missing values generated)

760 gen height_ft=.
    (47,778 missing values generated)

761 gen height_in=.
    (47,778 missing values generated)

762
763 replace wgt_curr=currweigh if currweigh>0
    (41,141 real changes made)

```

```

764 replace height_ft=howtallft if howtallft>0
    (41,490 real changes made)

765 replace height_in=howtallin if howtallin>0
    (37,373 real changes made)

766
767 label var wgt_curr "Current weight, lbs."

768 label var height_ft "Current height, feet"

769 label var height_in "Current height, inches"

770
771 notes wgt_curr: currweigh

772 notes wgt_curr: Current Weight in pounds.

773 notes height_ft: howtallft

774 notes height_ft: How tall in feet.

775 notes height_in: howtallin

776 notes height_in: How tall in inches, after feet.

777
778 gen bmi=(wtg_curr/((height_ft*12+height_in)^2))*703
    (11,007 missing values generated)

779
780 label var bmi "Current BMI"

781
782 notes bmi: wgt_curr height_ft height_in

783 notes bmi: Body Mass Index calculation from weight and height.

784
785 foreach x in wgt_curr height_ft height_in bmi{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/10/19-MH
    4. }

786
787 //get the per round weight, cluster, and strata vars (and why is moved created
> like that?)
788 //gen moved=.
789 rename varunit varunit
    (all newnames==oldnames)

790 rename varstrat varstrat
    (all newnames==oldnames)

791 rename anfinwgt0 anfinwgt

792
793 /*
> forvalues i=2/7 {
>     replace moved=w`i'_moved if wave==`i'
>     foreach x in anfinwgt varstrat varunit {
>         replace `x'=w`i'`x' if wave==`i'
>     }
>     drop w`i'_moved w`i'anfinwgt0 w`i'varstrat w`i'varunit
> }
> */

```

```

794 label var moved "Moved since last ivw"

795
796 *****
797 /*these are taken from Rebecca's code*/
798
799 gen community_dwelling = 0

800 gen SP_completed = 0

801 forvalues w=1/$w {
    2. replace community_dwelling=1 if inlist(dresid,1,2) & wave==`w'
    3. replace SP_completed=1 if (inlist(dresid,1,2) & wave==1) | (inlist(dresid,1
    > ,2,4) & wave==`w')
    4. }
    (7,609 real changes made)
    (8,077 real changes made)
    (5,992 real changes made)
    (6,056 real changes made)
    (4,803 real changes made)
    (4,884 real changes made)
    (3,941 real changes made)
    (4,037 real changes made)
    (7,499 real changes made)
    (7,576 real changes made)
    (6,309 real changes made)
    (6,410 real changes made)
    (5,454 real changes made)
    (5,566 real changes made)

802 notes community_dwelling: dresid = 1,2

803 notes community_dwelling: In the community.

804
805 gen nhres=dresid==4 if dresid!=. & wave==1
    (39,533 missing values generated)

806 gen rcfres=inlist(dresid,2,3) if dresid!=. & wave==1
    (39,533 missing values generated)

807 gen res_care=dresid>1 if dresid!=. & wave==1
    (39,533 missing values generated)

808 gen sp_status=1

809 gen deceased=0

810 gen prob_dem=dem_3_cat==1 if !missing(dem_3_cat)
    (5,660 missing values generated)

811 label var prob_dem "Indicator probable dementia"

812
813 forvalues w=2/7 {
    2. replace nhres=inlist(dresid,4,5,8) if wave==`w'
    3. replace res_care=inlist(dresid,2,3,4,5,7,8) if wave==`w'
    4. replace rcfres=inlist(dresid,2,3,7) if wave==`w'
    5. replace deceased=inlist(r`w'status,62,86) if wave>=`w'
    6. }
    (7,075 real changes made)
    (7,075 real changes made)
    (7,075 real changes made)
    (503 real changes made)
    (5,799 real changes made)
    (5,799 real changes made)
    (5,799 real changes made)
    (523 real changes made)
    (4,737 real changes made)
    (4,737 real changes made)
    (4,737 real changes made)
    (404 real changes made)

```

```

(8,334 real changes made)
(8,334 real changes made)
(8,334 real changes made)
(296 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(7,276 real changes made)
(486 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(6,312 real changes made)
(459 real changes made)

814
815 note nhres : dresid

816 notes nhres : Resid=4,5,8, Nursing Home.

817 notes nhres : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7 header

818
819 notes rcfres: dresid (2,3)

820 notes rcfres: Residential Care, excluding Nursing Home.

821
822 notes res_care: dresid (2-8)

823 notes res_care: Residential Care, excluding Nursing Home.

824
825 notes deceased: status 62 68

826 notes deceased: Died after round 1

827
828 notes prob_dem: dem_cat_3, sr_dementia_ever

829 notes prob_dem: Probable Dementia.

830
831 foreach x in community_dwelling rcfres res_care deceased prob_dem{
      2. notes `x': Located in NHATS Setup, under Part 7.
      3. notes `x': Updated: 04/10/19-MH
      4. }

832
833
834 replace sp_status=2 if res_care==1
      (5,953 real changes made)

835 replace sp_status=3 if nhres==1
      (2,532 real changes made)

836 replace sp_status=4 if deceased==1
      (2,671 real changes made)

837 label var sp_status "Residential status"

838 label var nhres "Nursing Home Resident"

```

```

839 label var rcfres "Residential Care, excl. NH"
840 label var res_care "Residential Care, incl. NH"
841 label define sp_status 1 "Non-res care community" 2 "Res-care not NH" 3 "NH re
> sident" ///
> 4 "Deceased"
842 label values sp_status sp_status
843
844 //these ADL variables were missing previously
845 gen adl_ins_help = .
    (47,778 missing values generated)
846 gen adl_ins_diff=.
    (47,778 missing values generated)
847 gen adl_ins_not_done=.
    (47,778 missing values generated)
848
849 replace adl_ins_help=1 if insdhlp==1
    (5,334 real changes made)
850 replace adl_ins_help=0 if insdhlp==2
    (38,745 real changes made)
851 replace adl_ins_help=0 if insdhlp==-1 & sp_ivw==1
    (0 real changes made)
852 replace adl_ins_help=-7 if insdhlp==-7
    (0 real changes made)
853 replace adl_ins_help=-8 if insdhlp==-8
    (0 real changes made)
854 replace adl_ins_diff=0 if insddif==1
    (33,656 real changes made)
855 replace adl_ins_diff=1 if insddif>1
    (14,122 real changes made)
856 replace adl_ins_diff=0 if insddif==-1 & sp_ivw==1
    (0 real changes made)
857 replace adl_ins_diff=-7 if insddif==-7
    (0 real changes made)
858 replace adl_ins_diff=-8 if insddif==-8
    (0 real changes made)
859 replace adl_ins_not_done=inlist(dinsdsfdf,1,8)
    (47,778 real changes made)
860
861
862 *replace adl_ins_dif=1 if adl_ins_help==1
863 label var adl_ins_help "Received help getting around inside"

```



```

864 notes adl_ins_help : insdhlp
865 notes adl_ins_help : Anyone help you get around inside house
866 notes adl_ins_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7
    > header
867
868 notes adl_ins_diff: insddif
869 notes adl_ins_diff: How much difficulty getting around inside.
870 gen adl_bed_help = .
    (47,778 missing values generated)
871 gen adl_bed_diff=.
    (47,778 missing values generated)
872 gen adl_bed_not_done=.
    (47,778 missing values generated)
873
874 replace adl_bed_help=1 if bedhlp==1
    (4,585 real changes made)
875 replace adl_bed_help=0 if bedhlp==2
    (39,793 real changes made)
876 replace adl_bed_help=0 if bedhlp==-1 & sp_ivw==1
    (0 real changes made)
877 replace adl_bed_help=-7 if bedhlp==-7
    (0 real changes made)
878 replace adl_bed_help=-8 if bedhlp==-8
    (0 real changes made)
879 replace adl_bed_diff=0 if beddif==1
    (32,871 real changes made)
880 replace adl_bed_diff=1 if beddif>1
    (14,907 real changes made)
881 replace adl_bed_diff=0 if beddif==-1 & sp_ivw==1
    (0 real changes made)
882 replace adl_bed_diff=-7 if beddif==-7
    (0 real changes made)
883 replace adl_bed_diff=-8 if beddif==-8
    (0 real changes made)
884 replace adl_bed_not_done=inlist(dbedsfdf,1,8)
    (47,778 real changes made)
885
886 label var adl_bed_help "Received help getting out of bed"
887 *replace adl_bed_diff=1 if adl_bed_help==1
888 notes adl_bed_help : mo*bedhlp

```

```

889 notes adl_bed_help : "_"
890 notes adl_bed_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7
    > header

891
892
893 //construct date of ivw--use 1st of month for all, because only have mo & yr
894
895 merge 1:1 spid wave using `resttrack', keep(match) nogen

      Result                                # of obs.
      -----                                -
      not matched                                0
      matched                                47,778
      -----

896 gen ivw_day=spstatdtdy

897 label define ivw_day 1 "Not provided"

898 label values ivw_day ivw_day

899 gen ivw_month=.
    (47,778 missing values generated)

900 gen ivw_year=.
    (47,778 missing values generated)

901 forvalues w=1/$w {
2.     replace ivw_month=r`w'spstatdtdtmt if wave==`w'
3.     replace ivw_month=r`w'fqstatdtdtmt if wave==`w' & r`w'spstatdtdtmt==.
4.     replace ivw_year=r`w'spstatdtdtyr if wave==`w'
5.     replace ivw_year=201`w' if wave==`w' & r`w'spstatdtdtyr==.
6. }
(7,609 real changes made)
(636 real changes made)
(7,609 real changes made)
(636 real changes made)
(6,559 real changes made)
(516 real changes made)
(6,559 real changes made)
(516 real changes made)
(5,407 real changes made)
(392 real changes made)
(5,407 real changes made)
(392 real changes made)
(4,441 real changes made)
(296 real changes made)
(4,441 real changes made)
(296 real changes made)
(7,872 real changes made)
(462 real changes made)
(7,872 real changes made)
(462 real changes made)
(6,896 real changes made)
(380 real changes made)
(6,896 real changes made)
(380 real changes made)
(6,025 real changes made)
(287 real changes made)
(6,025 real changes made)
(287 real changes made)

```

```

902
903 replace ivw_month=r1fqstatdtmt if wave==1 & ivw_month==.
    (0 real changes made)

904 replace ivw_year=r1fqstatdty if wave==1 & ivw_year==.
    (0 real changes made)

905
906
907 gen ivw_date=mdy(ivw_month,ivw_day,ivw_year)
    (2,971 missing values generated)

908 format ivw_date %td

909 label var ivw_date "Interview date from restricted tracker"

910
911 note ivw_date: ivw_month ivw_day ivw_year

912 note ivw_date: Interview date from the restricted file.

913
914 gen ivw_date_sens=mdy(ivw_month,1,ivw_year)

915 format ivw_date_sens %td

916 label var ivw_date "Interview date, day of month set to one"

917
918 note ivw_date_sens: ivw_month ivw_year

919 note ivw_date_sens: Using only month and year, all dates put as first of the m
    > onth.

920
921 foreach x in ivw_date ivw_date_sens{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/10/19-MH
    4. }

922
923 /// Changes to Dressing and Eating
    > /*These changes were made because the help variables were not capturing everyo
    > ne
    > who may have been impaired for the ADL*/
924 //changes made 5/20/18
925
926         replace adl_dres_help=1 if dresoft==5
    (418 real changes made)

927         replace adl_eat_help=1 if eatdev==7
    (153 real changes made)

928         replace adl_ins_help=1 if ntlvrmslp==1
    (353 real changes made)

929
930
931 gen adl_index=0

```

```

932 foreach i in eat bath toil dres bed ins {
    2. replace adl_index=adl_index+adl_`i'_help if adl_`i'_help>0
    3. }
    (7,395 real changes made, 3,067 to missing)
    (7,116 real changes made, 30 to missing)
    (3,590 real changes made, 110 to missing)
    (8,078 real changes made, 21 to missing)
    (4,823 real changes made, 365 to missing)
    (5,526 real changes made, 21 to missing)

933 *gen adl_index=adl_eat_help+adl_bath_help+adl_toil_help+adl_dres_help+adl_ins_
    > help+adl_bed_help
934 replace adl_index=. if adl_index<0
    (0 real changes made)

935 gen adl_independent=adl_index==0 if adl_index!=.
    (3,614 missing values generated)

936 gen adl_impair=adl_index>0 if adl_index!=.
    (3,614 missing values generated)

937 gen iadl_index=iadl_laun_help+iadl_shop_help+iadl_bank_help+iadl_meal_help+iad
    > 1_meds_help
    (5,848 missing values generated)

938 replace iadl_index=. if iadl_index<0
    (0 real changes made)

939 gen iadl_independent=iadl_index==0 if iadl_index!=.
    (5,848 missing values generated)

940 gen iadl_impair=iadl_index>0 if iadl_index!=.
    (5,848 missing values generated)

941 foreach x in adl iadl {
    2. egen `x'_diff_index=rowtotal(`x'*diff)
    3. gen `x'_diff_ind=`x'_diff_index>=1 if !missing(`x'_diff_index)
    4. }

942 label var adl_independent "Independent in ADLs"

943 label var adl_impair "Help with 1+ ADL"

944 label var adl_index "Index of help w/ ADLs"

945
946 foreach x in independent impair index {
    2. notes adl_`x' : sc*eathlp sc*bathhlp sc*toilhlp sc*dreshlp
    3. notes adl_`x' : ""
    4. notes adl_`x' : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, s
    > tep-7 header
    5. }

947
948 note adl_index: adl*_help

949 note adl_index: Number of ADL's needing helped with.

950
951 note adl_independent: adl_index =0

```

```

952 note adl_independent: No ADL help for the individual.
953
954 note adl_impair: adl_index >0
955 note adl_impair: ADL help for the individual.
956
957 note iadl_index: iadl*_help
958 note iadl_index: Number of IADL's needing helped with.
959
960 note iadl_independent: iadl_index =0
961 note iadl_independent: No IADL help for the individual.
962
963 note iadl_impair: iadl_index >0
964 note iadl_impair: IADL help for the individual.
965
966 label var iadl_independent "Independent in IADLs"
967 label var iadl_impair "Help with 1+ IADL"
968 label var iadl_index "Index of help w/ IADLs"
969
970 foreach x in adl_index adl_independent adl_impair iadl_index iadl_independent
  > iadl_impair{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/10/19-MH
    4. }
971
972 //addition of variables from Eric's homebound code
973 gen meals_wheels=.
    (47,778 missing values generated)
974 gen noone_talk=.
    (47,778 missing values generated)
975 gen restrnt_takeout=.
    (47,778 missing values generated)
976
977
978 replace meals_wheels=dmealwhl
    (601 real changes made)
979 replace noone_talk=noonetalk
    (2,415 real changes made)
980 replace restrnt_takeout=dmealtkot
    (3,619 real changes made)
981 foreach x in meals_wheels noone_talk restrnt_takeout {
    2. replace `x'=0 if `x'==.
    3. }
    (47,177 real changes made)
    (45,363 real changes made)
    (44,159 real changes made)

```

```

982
983 notes meals_wheels: dmealwhl
984 notes meals_wheels: Helper is meals on wheels
985
986 notes noone_talk: noonetalk
987 notes noone_talk: No one to talk to
988
989 notes restrnt_takeout: dmealtkot
990 notes restrnt_takeout: Helper is Restaurant takeout
991
992 foreach x in meals_wheels noone_talk restrnt_takeout{
993     2. notes `x': Located in NHATS Setup, under Part 7.
994     3. notes `x': Updated: 04/10/19-MH
995     4. }
996
997 label var meals_wheels "Meals on wheels"
998 label var noone_talk "SP has no one to talk to"
999 label var restrnt_takeout "Received help with restaurant/takeout"
1000 //pull in date of death, constructed from claims and nhats
1001 merge m:1 spid using "E:\nhats\data\NHATS CMS DUA 28016\Merged\Stata\death_dat
1002 > e.dta", nogen

```

Result	# of obs.
not matched	0
matched	47,778

```

1003
1004gen died_12=mofd(death_date)-mofd(ivw_date)<=12
1005
1006gen died_24=mofd(death_date)-mofd(ivw_date)<=24
1007
1008
1009notes died_12: death_date ivw_date
1010notes died_12: death_date-ivw_date<=12
1011
1012notes died_24: death_date ivw_date
1013notes died_24: death_date-ivw_date<=24
1014
1015foreach x in died_12 died_24{
1016    2. notes `x': Located in NHATS Setup, under Part 7.
1017    3. notes `x': Updated: 04/10/19-MH
1018    4. }
1019
1020

```

```

1011//note-the following has been superseded by the death date using claims
1012/*
1013>
1014> //use status to get death
1015> gen died_12=.
1016> gen died_24=.
1017> forvalues i=1/3 {
1018>   replace died_12=inlist(r`='i'+1'status,62,86) if wave==`i' & r`='i'+1'status!=
1019>   79
1020> }
1021> forvalues i=1/2 {
1022>   replace died_24=inlist(r`='i'+2'status,62,86) if wave==`i' & !inlist(r`='i'+2'
1023>   status,79,.)
1024> }
1025> replace died_24=1 if died_12==1
1026>
1027> foreach i in 12 24 {
1028>   label var died_`i' "SP died w/in `i' months, per future wave status"
1029> }*/
1030
10311014//update 8/2/17--pulled in nhats dod to share off server
10321015
10331016//look at death month & year. don't have, so set date to last of month
10341017gen dd=.
1035    (47,778 missing values generated)
1036
10371018replace pd2yrdied=pd2yrdied+2010 if pd2yrdied>0
1038    (998 real changes made)
1039
10401019
10411020gen nhats_death_day=.
1042    (47,778 missing values generated)
1043
10441021forvalues w=2/$w {
1045    2.         foreach j in mth yr {
1046    3.             replace pd`w'`j'died=. if pd`w'`j'<0
1047    4.         }
1048    5.             replace nhats_death_day=31 if inlist(pd`w'm,1,3,5,7,8,10,12)
1049    6.             replace nhats_death_day=30 if inlist(pd`w'm,4,6,9,11)
1050    7.             replace nhats_death_day=28 if inlist(pd`w'm,2)
1051    8.             replace dd=mdy(pd`w'mthdied,nhats_death_day,pd`w'yrdied) if pd`w'yr
1052> died>0 & pd`w'yrdied!=.
1053    9.         }
1054    (0 real changes made)
1055    (0 real changes made)
1056    (532 real changes made)
1057    (348 real changes made)
1058    (94 real changes made)
1059    (974 real changes made)
1060    (0 real changes made)
1061    (0 real changes made)
1062    (888 real changes made)
1063    (486 real changes made)
1064    (129 real changes made)
1065    (1,503 real changes made)
1066    (0 real changes made)
1067    (0 real changes made)
1068    (1,020 real changes made)
1069    (484 real changes made)
1070    (84 real changes made)
1071    (1,580 real changes made)
1072    (0 real changes made)
1073    (0 real changes made)
1074    (880 real changes made)
1075    (430 real changes made)
1076    (140 real changes made)
1077    (1,450 real changes made)
1078    (0 real changes made)
1079    (0 real changes made)
1080    (1,204 real changes made)
1081    (670 real changes made)
1082    (156 real changes made)

```

```

(2,024 real changes made)
(0 real changes made)
(0 real changes made)
(1,498 real changes made)
(677 real changes made)
(238 real changes made)
(2,399 real changes made)

1022
1023by spid, sort: egen nhats_death_date=max(dd)
    (37848 missing values generated)

1024label var nhats_death_date "Sensitive: SP death date, from NHATS (day imputed)
> "

1025format nhats_death_date %td

1026gen nhats_death_month=month(nhats_death_date)
    (37,848 missing values generated)

1027gen nhats_death_year=year(nhats_death_date)
    (37,848 missing values generated)

1028foreach x in month year {
    2. label var nhats_death_`x' "Sensitive: SP death `x', from NHATS"
    3. }

1029
1030notes nhats_death_date: pdmthdied nhats_death_day pdwyrddied

1031notes nhats_death_date: Death date from sensitive variables.

1032notes nhats_death_date: Located in NHATS Setup, under Part 7.

1033notes nhats_death_date: Updated: 04/11/19-MH

1034
1035drop dd

1036
1037gen eligible_nsoc=flldnsoc==1

1038gen completed_nsoc=flldnsoccomp>0 if flldnsoccomp!=.
    (37,686 missing values generated)

1039gen total_caregiver_comp=flldnsoccomp if flldnsoccomp>0 & flldnsoccomp!=.
    (41,834 missing values generated)

1040gen total_caregiver_elig=flldnsoccnt if flldnsoccnt>0 & flldnsoccnt!=.
    (37,686 missing values generated)

1041label var eligible "Sensitive: Eligible for NSOC interview, wave 1 tracker"

1042label var complete "Sensitive: Completed Interview"

1043label var total_caregiver_comp "Sensitive: Total Caregivers that Completed Int
> erstatus"

1044
1045notes eligible_nsoc: flldnsoc

```



```

1046notes eligible_nsoc: Eligible for NSOC

1047
1048notes completed_nsoc: flldnsocomp

1049notes completed_nsoc: Had an NSOC interview.

1050
1051notes total_caregiver_comp: flldnsocomp

1052notes total_caregiver_comp: Count of caregivers NSOC.

1053
1054notes total_caregiver_elig: flldnsoccnt

1055notes total_caregiver_elig: Count of helpers eligible NSOC.

1056
1057foreach x in eligible_nsoc completed_nsoc total_caregiver_comp total_caregiver
> _elig{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1058
1059//adverse consequences of unmet need
1060
1061gen adverse=0

1062forvalues w=1/$w {
    2. foreach x of varlist launwout shopwout mealwout bankwout eatwout ba
> thwout toilwout dreswout {
    3. replace adverse=1 if `x'==1 & wave==`w'
    4. }
    5. }
(71 real changes made)
(94 real changes made)
(105 real changes made)
(45 real changes made)
(8 real changes made)
(124 real changes made)
(267 real changes made)
(40 real changes made)
(57 real changes made)
(78 real changes made)
(91 real changes made)
(35 real changes made)
(9 real changes made)
(74 real changes made)
(228 real changes made)
(36 real changes made)
(35 real changes made)
(71 real changes made)
(62 real changes made)
(21 real changes made)
(2 real changes made)
(76 real changes made)
(205 real changes made)
(17 real changes made)
(20 real changes made)
(56 real changes made)
(60 real changes made)
(29 real changes made)
(7 real changes made)
(63 real changes made)
(192 real changes made)
(16 real changes made)
(49 real changes made)
(110 real changes made)
(129 real changes made)
(54 real changes made)
(21 real changes made)

```

```

(112 real changes made)
(264 real changes made)
(33 real changes made)
(41 real changes made)
(102 real changes made)
(99 real changes made)
(42 real changes made)
(9 real changes made)
(114 real changes made)
(280 real changes made)
(30 real changes made)
(40 real changes made)
(70 real changes made)
(90 real changes made)
(38 real changes made)
(9 real changes made)
(92 real changes made)
(220 real changes made)
(30 real changes made)

1063label var adverse "Any adverse consequence of unmet need (excluding mobility)

1064
1065local ha laun shop meal bank

1066local sc eat bath toil dres

1067local mo out insd bed

1068
1069forvalues w=1/$w{
    2.         foreach x in `ha' `sc' `mo'{
    3.             capture gen adverse_`x'=0
    4.             replace adverse_`x'=1 if `x'wout==1 & wave==`w'
    5.         }
1070    6. }
(71 real changes made)
(116 real changes made)
(153 real changes made)
(76 real changes made)
(21 real changes made)
(176 real changes made)
(369 real changes made)
(122 real changes made)
(507 real changes made)
(464 real changes made)
(205 real changes made)
(57 real changes made)
(95 real changes made)
(129 real changes made)
(59 real changes made)
(19 real changes made)
(109 real changes made)
(298 real changes made)
(94 real changes made)
(342 real changes made)
(375 real changes made)
(142 real changes made)
(35 real changes made)
(84 real changes made)
(95 real changes made)
(36 real changes made)
(6 real changes made)
(104 real changes made)
(273 real changes made)
(59 real changes made)
(285 real changes made)
(301 real changes made)
(139 real changes made)
(20 real changes made)
(63 real changes made)

```

(80 real changes made)
(42 real changes made)
(7 real changes made)
(94 real changes made)
(241 real changes made)
(63 real changes made)
(247 real changes made)
(232 real changes made)
(88 real changes made)
(49 real changes made)
(127 real changes made)
(176 real changes made)
(93 real changes made)
(34 real changes made)
(163 real changes made)
(383 real changes made)
(126 real changes made)
(468 real changes made)
(430 real changes made)
(165 real changes made)
(41 real changes made)
(112 real changes made)
(133 real changes made)
(65 real changes made)
(17 real changes made)
(160 real changes made)
(360 real changes made)
(111 real changes made)
(417 real changes made)
(366 real changes made)
(161 real changes made)
(40 real changes made)
(84 real changes made)
(122 real changes made)
(52 real changes made)
(14 real changes made)
(128 real changes made)
(290 real changes made)
(97 real changes made)
(371 real changes made)
(329 real changes made)
(137 real changes made)

1071

1072label var adverse_laun "Ever go w/o clean laundry"

1073label var adverse_shop "Ever go w/o groceries/personal items"

1074label var adverse_meal "Ever go w/o hot meal"

1075label var adverse_bank "Ever go w/o handling bills and banking matters"

1076label var adverse_eat "Ever go w/o eating"

1077label var adverse_bath "Ever go w/o showering/bath/washup"

1078label var adverse_toil "Ever go w/o using toilet"

1079label var adverse_dres "Ever go w/o getting dressed"

```

1080label var adverse_out "Ever go w/o going outside; stayed inside"
1081label var adverse_insd "Ever go w/o moving inside b/c unmet need"
1082label var adverse_bed "Ever go w/o leaving bed"
1083
1084notes adverse: launwout shopwout mealwout bankwout eatwout bathwout toilwout d
> reswout
1085notes adverse: Ever go without doing a task from the list.
1086notes adverse_laun: launwout
1087notes adverse_laun: Ever go without clean laundry, b/c too difficult or no one
> there to help.
1088notes adverse_shop: shopwout
1089notes adverse_shop: Ever go without groceries/personal items, b/c too difficul
> t or no one there to help.
1090notes adverse_meal: mealwout
1091notes adverse_meal: Ever go without hot meal, b/c too difficult or no one ther
> e to help.
1092notes adverse_bank: bankwout
1093notes adverse_bank: Ever go without handling bills and banking matters, b/c to
> o difficult or no one there to help.
1094notes adverse_eat: eatwout
1095notes adverse_eat: Ever go without eating, b/c too difficult or no one there t
> o help.
1096notes adverse_bath: bathwout
1097notes adverse_bath: Ever go without showering/taking a bath/washing up, b/c to
> o difficult or no one there to help.
1098notes adverse_toil: toilwout
1099notes adverse_toil: Ever wet/soil self b/c no help or too difficult to get to
> toilet by self.
1100notes adverse_dres: dreswout
1101notes adverse_dres: Ever go without getting dressed, b/c too difficult or no o
> ne there to help.
1102notes adverse_out: outwout
1103notes adverse_out: Ever go without leaving home/building, b/c too difficult or
> no one there to help.
1104notes adverse_insd: insdwout
1105notes adverse_insd: Ever go without going into any places in home/building, b/
> c too difficult or no one there to help.

```

```

1106notes adverse_bed: bedwout

1107notes adverse_bed: Ever go without leaving your bed, b/c too difficult or no o
> ne there to help.

1108
1109foreach x in adverse adverse_laun adverse_shop adverse_meal adverse_bank adver
> se_eat ///
> adverse_bath adverse_toil adverse_dres adverse_out adverse_insd adverse_bed{
2. notes `x': Located in NHATS Setup, under Part 7.
3. notes `x': Updated: 04/11/19-MH
4. }

1110
1111//limited favorite activity
1112capture drop lim_fav

1113gen lim_fav=.
(47,778 missing values generated)

1114
1115forvalues w=1/5 {
2. replace lim_fav=helmfvact==1 if helmfvact>=0 & wave==`w'
3. }
(8,245 real changes made)
(7,075 real changes made)
(5,799 real changes made)
(4,737 real changes made)
(8,334 real changes made)

1116label var lim_fav "Last month ever kept from favorite activity by health/funct
> ion"

1117
1118capture drop lim_fav_yr

1119////NEW limited favorite activity
> gen lim_fav_yr=.
(47,778 missing values generated)

1120forvalues w=6/7 {
2. replace lim_fav_yr=fvactlimyr==1 if fvactlimyr>=0 & wave==`w'
3. }
(7,276 real changes made)
(6,312 real changes made)

1121
1122label var lim_fav_yr "Last year ever kept from favorite activity by health/fun
> ction"

1123
1124notes lim_fav: helmfvact

1125notes lim_fav: Did health or functioning ever keep you from favorite activity,
> last month

1126
1127notes lim_fav_yr: helmfvact

1128notes lim_fav_yr: Did health or functioning ever keep you from favorite activi
> ty, last year.

```

```

1129
1130 foreach x in lim_fav lim_fav_yr {
1131     2. notes `x': Located in NHATS Setup, under Part 7.
1132     3. notes `x': Updated: 04/11/19-MH
1133     4. }

1131
1132
1133
1134//social cohesion
1135gen cohesion_knowwell=.
1136    (47,778 missing values generated)

1136gen cohesion_willnghlp=.
1137    (47,778 missing values generated)

1136gen cohesion_peoptrstd=.
1137    (47,778 missing values generated)

1138
1139forvalues w=1/$w {
1140    2.         foreach x in knowwell willnghlp peoptrstd {
1141    3.             replace cohesion_`x'=`x' if !missing(`x') & wave==`w'
1142    4.         }
1143    5.         }
1144    (7,464 real changes made)
1145    (7,392 real changes made)
1146    (7,267 real changes made)
1147    (5,941 real changes made)
1148    (5,871 real changes made)
1149    (5,768 real changes made)
1150    (4,751 real changes made)
1151    (4,707 real changes made)
1152    (4,605 real changes made)
1153    (3,946 real changes made)
1154    (3,900 real changes made)
1155    (3,815 real changes made)
1156    (7,401 real changes made)
1157    (7,303 real changes made)
1158    (7,158 real changes made)
1159    (6,273 real changes made)
1160    (6,182 real changes made)
1161    (6,090 real changes made)
1162    (5,464 real changes made)
1163    (5,386 real changes made)
1164    (5,277 real changes made)

1140rename cohesion_willnghlp cohesion_willing

1141rename cohesion_peoptrstd cohesion_peop

1142
1143gen cohesion=(cohesion_p+cohesion_k+cohesion_w==3) ///
1144    > if !missing(cohesion_k) | !missing(cohesion_w) | !missing(cohesion_p)
1145    (5,935 missing values generated)

1144
1145label var cohesion_knowwell "People know each other well in the community"

1146label var cohesion_w "People are willing to help each other in the community"

```

```

1147label var cohesion_p "People can be trusted in the community"
1148label define cohesion_ 1 "Agree a lot" 2 "Agree a little" 3 "Do not agree"
1149label values cohesion_* cohesion_
1150label var cohesion "High community cohesion (Highest on all 3 statements)"
1151
1152notes cohesion_knowwell: knowwell
1153notes cohesion_knowwell: People in the community know each other well. Agree a
> lot, a little, do not agree.
1154notes cohesion_willing: willinghlp
1155notes cohesion_willing: People in the community are willing to help each other
> . Agree a lot, a little, do not agree.
1156notes cohesion_knowwell: peoptrstd
1157notes cohesion_knowwell: People in the community can be trusted. Agree a lot,
> a little, do not agree.
1158notes cohesion: knowwell willinghlp peoptrstd
1159notes cohesion: Agree a lot on all to get high community cohesion.
1160
1161 foreach x in cohesion knowwell cohesion_willing cohesion_knowwell cohesion {
2. notes `x': Located in NHATS Setup, under Part 7.
3. notes `x': Updated: 04/11/19-MH
4. }
1162
1163gen home_disorder_insd=.
(47,778 missing values generated)
1164gen home_disorder_outsd=.
(47,778 missing values generated)
1165gen home_disorder_area=.
(47,778 missing values generated)
1166gen home_disorder_clutter=.
(47,778 missing values generated)
1167
1168foreach x of varlist condhome* {
2. replace `x'=. if `x'==7
3. replace `x'=0 if `x'==2
4. }
(786 real changes made, 786 to missing)
(40,243 real changes made)
(1,169 real changes made, 1,169 to missing)
(39,552 real changes made)
(938 real changes made, 938 to missing)
(39,448 real changes made)
(7,921 real changes made, 7,921 to missing)
(33,473 real changes made)
(802 real changes made, 802 to missing)
(34,426 real changes made)
(1,015 real changes made, 1,015 to missing)
(21,538 real changes made)

```

```

1169foreach x of varlist areacond* {
    2. replace `x'=. if `x'==5
    3. replace `x'=0 if `x'==1
    4. replace `x'=`x'>1 if !missing(`x')
    5. }
(713 real changes made, 713 to missing)
(37,881 real changes made)
(3,816 real changes made)
(705 real changes made, 705 to missing)
(40,610 real changes made)
(1,095 real changes made)
(772 real changes made, 772 to missing)
(39,033 real changes made)
(2,605 real changes made)
(0 real changes made)
(7,353 real changes made)
(245 real changes made)

1170foreach x of varlist clutter* {
    2. replace `x'=. if `x'==4
    3. replace `x'=0 if `x'==1
    4. replace `x'=`x'>1 if !missing(`x')
    5. }
(0 real changes made)
(28,564 real changes made)
(10,337 real changes made)
(5,167 real changes made, 5,167 to missing)
(25,760 real changes made)
(7,974 real changes made)

1171foreach x of varlist condihom* {
    2. replace `x'=`x'==1 if !missing(`x')
    3. }
(37,536 real changes made)
(38,085 real changes made)
(38,037 real changes made)
(37,226 real changes made)
(35,119 real changes made)

1172/*
> //forvalues w=1/$w{
>     foreach x of varlist condihom* condhome* areacond* clutter* {
>         replace `x'=. if `x' & wave==`w'
>         qui sum `x'
>         if r(max)==2 replace `x'=`x'==1 if !missing(`x') & wave==`w'
>         if inlist(r(max),3,4) replace `x'=`x'>1 if !missing(`x') & wav
> e==`w'
> }
> */
1173     egen insd=rowtotal(condihom*), m
(8877 missing values generated)

1174     egen outsd=rowtotal(condhome*), m
(6069 missing values generated)

1175     egen area=rowtotal(areacond*), m
(6056 missing values generated)

1176     egen clutter=rowtotal(clutter*), m
(8877 missing values generated)

```



```

1177
1178
1179      foreach x in insd outsd area clutter {
1180        2.      replace home_disorder_`x'=`x'>=1 if !missing(`x')
1181        3.      drop `x'
1182        4.    }
1183    (38,901 real changes made)
1184    (41,709 real changes made)
1185    (41,722 real changes made)
1186    (38,901 real changes made)
1187
1188notes home_disorder_outsd: condhome1 condhome2 condhome3 condhome4 condhome5 c
> ondhome6
1189
1190notes home_disorder_outsd: If "yes" to any problems, then flagged
1191
1192notes home_disorder_area: areacond1 areacond2 areacond3 areacond4
1193
1194notes home_disorder_area: If "yes" to any problems, then flagged
1195
1196notes home_disorder_clutter: clutterr1 clutterr2
1197
1198notes home_disorder_clutter: If "yes" to any problems, then flagged
1199
1200notes home_disorder_insd: condihom1 condihom2 condihom3 condihom4 condihom5
1201
1202notes home_disorder_insd: If "yes" to any problems, then flagged
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(0 real changes made)

1201
1202foreach x in creditdebt medcreditdebt medbillsovertime medpaynotcash ///
  > govtasst {
    2.      gen `x'=.
    3. }
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)
(47,778 missing values generated)

1203
1204replace creditdebt=inlist(pycredbal,2,3) | !missing(crecardeb) if ///
  > !missing(pycredbal) | !missing(crecardeb)
(40,518 real changes made)

1205replace medcreditdebt=credcdmed==1 if !missing(credcdmed)
(8,071 real changes made)

1206replace medbillsovertime=medpaovtm==1 if !missing(medpaovtm)
(40,680 real changes made)

1207replace medpaynotcash=medbillsovertime==1 | medcreditdebt==1 if !missing(medbi
  > llsovertime) | ///
  > !missing(medcreditdebt)
(40,722 real changes made)

1208
1209gen finhlpfam_n=finhlpfam==1 if !missing(finhlpfam)
(7,087 missing values generated)

1210gen fingftfam_n= fingftfam==1 if !missing(fingftfam)
(7,352 missing values generated)

1211replace govtasst=progneed1==1 | progneed2==1 | progneed3==1 if !missing(progne
  > ed1) ///
  > | !missing(progneed2) | !missing(progneed3)
(40,842 real changes made)

1212
1213
1214replace medpaynotcash=medbillsovertime==1 | medcreditdebt==1 if !missing(medbi
  > llsovertime) | !missing(medcreditdebt)
(0 real changes made)

1215
1216label var creditdebt "Has credit card debt or does not pay off in full monthly
  > "

1217label var medpaynotcash "Has medical credit card debt or pays bills over time"

```

[illegible]

```

1243
1244label var ownhome "SP owns home"

1245label var rent "SP rents"

1246label var mortgagepaidoff "Mortgage is paid off"

1247label var mortpaymt "Mortgage payment"

1248label define mortpaymt 1 "<$250" 2 "$250-499" 3 "$500-999" 4 "$1000+"

1249label values mortpaymt mortpaymt

1250label var timeinmort "Time left in mortgage"

1251label define timeinmort 1 "5 years" 2 "10 years" 3 "Longer than 10 years"

1252label values timeinmort timeinmort

1253label var owedonmort "Amount left on mortgage"

1254label define owedonmort 1 "<$50,000" 2 "$50,000-99,999.99" 3 "$100,000+"

1255label values owedonmort owedonmort

1256label var homevalue "Home value"

1257label define homevalue_n 1 "<$50K" 2 "50-75K" 3 "75-100K" 4 "100-200K" 5 "200-
> 300K" ///
> 6 "300-500K" 7 "500-750K" 8 "$750K+"

1258label values homevalue_n homevalue_n

1259
1260forvalues w=1/$w {
    2. tab ownrentot
    3. replace ownhome=ownrentot==1 if wave==`w' & (!missing(ownrento) | res_care=
> =1)
    4. replace rent=ownrentot==2 if wave==`w' & (!missing(ownrento) | res_care==1)
    5. tab mrtpadoff
    6. replace mortgagepaidoff=mrtpadoff==1 if !missing(mrtpadoff)
    7. replace paysmortgage=mrtpadoff==2 if !missing(mrtpadoff)
    8. tab mortpaymt
    9. replace mortpaymt= mortpaymt if wave==`w'
    10. qui replace mortpaymt=1 if wave==`w' & mthlymort<250
    11. qui replace mortpaymt=2 if wave==`w' & mthlymort>=250 & mthlymort<=499
    12. qui replace mortpaymt=3 if wave==`w' & mthlymort>=500 & mthlymort<1000
    13. qui replace mortpaymt=4 if wave==`w' & mthlymort>=1000 & !missing(mthlymort
> )
    14. tab whnppayoff
    15. replace timeinmort=whnppayoff if wave==`w'
    16. tab amoutowed
    17. replace owedonmort=amoutowed if wave==`w'
    18. qui replace owedonmort=1 if wave==`w' & amtstlowe<50000
    19. qui replace owedonmort=2 if wave==`w' & amtstlowe>=50000 & amtstlowe<=10000
> 0
    20. qui replace owedonmort=3 if wave==`w' & amtstlowe>=100000 & !missing(amtstl
> owe)
    21. tab homvalamt
    22. replace homevalue_n= homvalamt if wave==`w'
    23. qui replace homevalue_n=1 if wave==`w' & homevalue<50000 & homevalue>=0
    24. qui replace homevalue_n=2 if wave==`w' & homevalue>=50000 & homevalue<75000
    25. qui replace homevalue_n=3 if wave==`w' & homevalue>=75000 & homevalue<10000
> 0
    26. qui replace homevalue_n=4 if wave==`w' & homevalue>=100000 & homevalue<2000
> 00
    27. qui replace homevalue_n=5 if wave==`w' & homevalue>=200000 & homevalue<3000
> 00
    28. qui replace homevalue_n=6 if wave==`w' & homevalue>=300000 & homevalue<5000
> 00
    29. qui replace homevalue_n=7 if wave==`w' & homevalue>=500000 & homevalue<7500
> 00

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30. qui replace homevalue_n=8 if wave=='w' & homevalue>=750000 & !missing(homev
> alue)
31.
1261tab rentamou
32. replace rentpaid =rentamou if wave=='w'
33. qui replace rentpaid=1 if wave=='w' & rentamt<250 & rentamt>=0
34. qui replace rentpaid=2 if wave=='w' & rentamt>=250 & rentamt<=499
35. qui replace rentpaid=3 if wave=='w' & rentamt>=500 & rentamt<1000
36. qui replace rentpaid=4 if wave=='w' & rentamt>=1000 & !missing(rentamt)
37. qui replace rentpaid=4 if inlist(rentpaid,5,6)
38. replace mortpaymt=4 if inlist(mortpaymt,5,6)
39. tab sec8pubsn
40. replace section8=sec8pubsn==1 if wave=='w' & (!missing(sec8pubsn) |ownhome=
> =1 | rent==1)
41. }

```

R1 HP1 OWN RENT OR OTHER	Freq.	Percent	Cum.
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(8,130 real changes made)

(8,130 real changes made)

R1 HP2 MORTGAGE PAID	Freq.	Percent	Cum.
OFF			
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(28,433 real changes made)

(28,433 real changes made)

Mortgage	Freq.	Percent	Cum.
payment			
<\$250	19	5.60	5.60
\$250-499	76	22.42	28.02
\$500-999	125	36.87	64.90
\$1000+	111	32.74	97.64
5	3	0.88	98.53
6	5	1.47	100.00
Total	339	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY	Freq.	Percent	Cum.
OFF MORTG			
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(1,365 real changes made)

R1 HP3D THE AMOUNT OWED IS	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(115 real changes made)

R1 HP4A HOME VALUE AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(496 real changes made)

R1 HP6A RENT AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(20 real changes made)
(8 real changes made)

R1 HP7 HME SEC 8 PUBL SENOR HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(6,492 real changes made)

R1 HP1 OWN RENT OR OTHER	Freq.	Percent	Cum.
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(6,538 real changes made)
(6,538 real changes made)

R1 HP2 MORTGAGE PAID OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(0 real changes made)
(0 real changes made)

Mortgage payment	Freq.	Percent	Cum.
<\$250	79	4.90	4.90
\$250-499	316	19.60	24.50
\$500-999	624	38.71	63.21
\$1000+	593	36.79	100.00
Total	1,612	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(1,088 real changes made)

R1 HP3D THE AMOUNT OWED IS	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(132 real changes made)

R1 HP4A HOME VALUE AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(403 real changes made)

R1 HP6A RENT AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(18 real changes made)
(0 real changes made)

R1 HP7 HME SEC 8 PUBL SENOR HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(5,130 real changes made)

R1 HP1 OWN RENT OR OTHER	Freq.	Percent	Cum.
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(5,176 real changes made)
(5,176 real changes made)

R1 HP2 MORTGAGE PAID OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(0 real changes made)

(0 real changes made)

Mortgage payment	Freq.	Percent	Cum.
<\$250	124	4.72	4.72
\$250-499	500	19.03	23.74
\$500-999	1,036	39.42	63.17
\$1000+	968	36.83	100.00
Total	2,628	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(862 real changes made)

R1 HP3D THE AMOUNT OWED IS	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(89 real changes made)

R1 HP4A HOME VALUE AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(354 real changes made)

R1 HP6A RENT AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(16 real changes made)

(0 real changes made)

R1 HP7 HME SEC			
8 PUBL SENOR			
HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(4,035 real changes made)

R1 HP1 OWN RENT OR OTHER			
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(4,207 real changes made)

(4,207 real changes made)

R1 HP2 MORTGAGE PAID			
OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(0 real changes made)

(0 real changes made)

Mortgage			
payment	Freq.	Percent	Cum.
<\$250	165	4.78	4.78
\$250-499	660	19.14	23.92
\$500-999	1,351	39.17	63.09
\$1000+	1,273	36.91	100.00
Total	3,449	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY			
OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(668 real changes made)

R1 HP3D THE AMOUNT OWED IS			
	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(68 real changes made)

R1 HP4A HOME VALUE AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(278 real changes made)

R1 HP6A RENT AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(11 real changes made)
(0 real changes made)

R1 HP7 HME SEC 8 PUBL SENOR HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(3,258 real changes made)

R1 HP1 OWN RENT OR OTHER	Freq.	Percent	Cum.
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(7,818 real changes made)
(7,818 real changes made)

R1 HP2 MORTGAGE PAID OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(0 real changes made)
(0 real changes made)

Mortgage payment	Freq.	Percent	Cum.
<\$250	191	4.69	4.69
\$250-499	786	19.30	23.99
\$500-999	1,584	38.89	62.88
\$1000+	1,512	37.12	100.00
Total	4,073	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(1,453 real changes made)

R1 HP3D THE AMOUNT OWED IS	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(191 real changes made)

R1 HP4A HOME VALUE AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(509 real changes made)

R1 HP6A RENT AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(87 real changes made)
(0 real changes made)

R1 HP7 HME SEC 8 PUBL SENOR HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(6,829 real changes made)

R1 HP1 OWN RENT OR OTHER	Freq.	Percent	Cum.
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(6,719 real changes made)
(6,719 real changes made)

R1 HP2 MORTGAGE PAID OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(0 real changes made)

(0 real changes made)

Mortgage payment	Freq.	Percent	Cum.
<\$250	254	4.69	4.69
\$250-499	990	18.27	22.95
\$500-999	2,133	39.35	62.31
\$1000+	2,043	37.69	100.00
Total	5,420	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(1,208 real changes made)

R1 HP3D THE AMOUNT OWED IS	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(121 real changes made)

R1 HP4A HOME VALUE AMOUNT	Freq.	Percent	Cum.
1 less than \$50,000,	397	14.55	14.55
2 \$50,000-\$74,999,	449	16.46	31.01
3 \$75,000-\$99,999,	447	16.39	47.40
4 \$100,000-\$199,999,	697	25.55	72.95
5 \$200,000-\$299,999,	328	12.02	84.97
6 \$300,000-\$499,999,	239	8.76	93.73
7 \$500,000-\$749,999, or	99	3.63	97.36
8 \$750,000 or more?	72	2.64	100.00
Total	2,728	100.00	

(376 real changes made)

R1 HP6A RENT AMOUNT	Freq.	Percent	Cum.
1 less than \$250,	26	8.31	8.31
2 \$250-\$499,	76	24.28	32.59
3 \$500-\$999, or	81	25.88	58.47
4 \$1,000 or more?	68	21.73	80.19
5	37	11.82	92.01
6	25	7.99	100.00
Total	313	100.00	

(79 real changes made)

(0 real changes made)

R1 HP7 HME SEC			
8 PUBL SENOR			
HOUS	Freq.	Percent	Cum.
1 YES	1,933	42.61	42.61
2 NO	2,604	57.39	100.00
Total	4,537	100.00	

(5,895 real changes made)

R1 HP1 OWN RENT OR OTHER			
1 OWN	28,695	72.06	72.06
2 RENT	7,256	18.22	90.28
3 SOME OTHER ARRANGEMENT	3,870	9.72	100.00
Total	39,821	100.00	

(5,807 real changes made)

(5,807 real changes made)

R1 HP2 MORTGAGE PAID			
OFF	Freq.	Percent	Cum.
1 PAID OFF	19,909	70.02	70.02
2 STILL MAKE PAYMENTS	8,119	28.55	98.58
3 REVERSE MORTGAGE	405	1.42	100.00
Total	28,433	100.00	

(0 real changes made)

(0 real changes made)

Mortgage			
payment	Freq.	Percent	Cum.
<\$250	304	4.63	4.63
\$250-499	1,169	17.79	22.41
\$500-999	2,583	39.30	61.72
\$1000+	2,516	38.28	100.00
Total	6,572	100.00	

(0 real changes made)

R1 HP3B WHEN EXPCT PAY			
OFF MORTG	Freq.	Percent	Cum.
1 5 YEARS	2,065	26.98	26.98
2 10 YEARS	1,535	20.06	47.04
3 LONGER THAN 10 YEARS	4,053	52.96	100.00
Total	7,653	100.00	

(1,009 real changes made)

R1 HP3D THE AMOUNT OWED IS			
	Freq.	Percent	Cum.
1 less than \$50,000,	391	47.11	47.11
2 between \$50,000 and \$100,000, or	260	31.33	78.43
3 over \$100,000?	179	21.57	100.00
Total	830	100.00	

(114 real changes made)

R1 HP4A HOME VALUE		Freq.	Percent	Cum.
AMOUNT				
1	less than \$50,000,	397	14.55	14.55
2	\$50,000-\$74,999,	449	16.46	31.01
3	\$75,000-\$99,999,	447	16.39	47.40
4	\$100,000-\$199,999,	697	25.55	72.95
5	\$200,000-\$299,999,	328	12.02	84.97
6	\$300,000-\$499,999,	239	8.76	93.73
7	\$500,000-\$749,999, or	99	3.63	97.36
8	\$750,000 or more?	72	2.64	100.00
Total		2,728	100.00	

(312 real changes made)

R1 HP6A RENT		Freq.	Percent	Cum.
AMOUNT				
1	less than \$250,	26	8.31	8.31
2	\$250-\$499,	76	24.28	32.59
3	\$500-\$999, or	81	25.88	58.47
4	\$1,000 or more?	68	21.73	80.19
	5	37	11.82	92.01
	6	25	7.99	100.00
Total		313	100.00	
(82 real changes made)				
(0 real changes made)				

R1 HP7 HME SEC				
8 PUBL SENOR				
HOUS		Freq.	Percent	Cum.
-----+				
1 YES		1,933	42.61	42.61
2 NO		2,604	57.39	100.00
-----+				
Total		4,537	100.00	

(5,093 real changes made)

1262

1263drop homevalue

1264rename homevalue_n homevalue

1265

1266notes ownhome: ownrentot

1267notes ownhome: Do you/spouse/partner own home (apartment/condo).

1268notes rent: ownrentot

1269notes rent: Do you/spouse/partner rent home (apartment/condo).

1270notes mortgagepaidoff: mrtpadoff

1271notes mortgagepaidoff: Is your/spouse/partner mortgage paidoff.

1272notes paysmortgage: mrtpadoff

1273notes paysmortgage: Are you/spouse/partner still making mortgage payments.

```

1274notes mortpaymt: mthlymort
1275notes mortpaymt: How much monthly mortgage payment
1276notes owedonmort: amoutowed amtstlowe
1277notes owedonmort: Amount owed on mortgage.
1278notes homevalue: homvalamt
1279notes homevalue: What is the present value of the home. Amount if sold today.
1280notes rentpaid: rentamt
1281notes rentpaid: Rent paid each month.
1282notes section8: sec8pubsn
1283notes section8: Home in section 8 or public housing or housing for low-income
> seniors.
1284 foreach x in ownhome rent mortgagepaidoff paysmortgage mortpaymt owedonmort h
> omevalue rentpaid section8{
2. notes `x': Located in NHATS Setup, under Part 7.
3. notes `x': Updated: 04/11/19-MH
4. }
1285
1286label var rentpaid "Amount rent paid"
1287label define rentpaid 1 "<$250" 2 "250-499" 3 "500-999" 4 "$1000+"
1288label values rentpaid rentpaid
1289label var section8 "Indicator lives in Section 8 housing"
1290label var medcreditdebt "Has Medical credit card debt"
1291label var medbillsovertime "Pays Medical bills over time"
1292label var finhlpfam "Received financial help/gifts from family"
1293label var fingftfam "Provided financial help/gifts to family"
1294label var paysmortgage "Pays a mortgage"
1295gen n_social_network=.
(47,778 missing values generated)
1296
1297replace n_social_network=dnumsn if dnumsn>=0
(39,585 real changes made)
1298
1299label var n_social_network "Number in social network"
1300
1301gen division=.
(47,778 missing values generated)

```

```

1302
1303replace division=dcensdiv if dcensdiv>0
    (47,777 real changes made)

1304
1305gen region=division
    (1 missing value generated)

1306recode region (1 2=1) (3 4=2) (5/7=3) (8 9=4)
    (region: 45410 changes made)

1307
1308la define region 1 "Northeast" 2 "Midwest" 3 "South" 4 "West"

1309label values region region

1310
1311capture gen northeast=0

1312capture gen midwest=0

1313capture gen south=0

1314capture gen west=0

1315
1316replace northeast=1 if region==1
    (8,357 real changes made)

1317replace midwest=1 if region==2
    (11,588 real changes made)

1318replace south=1 if region==3
    (18,751 real changes made)

1319replace west=1 if region==4
    (9,081 real changes made)

1320
1321notes division: dcensdiv

1322notes division: Census division

1323notes n_social_network: dnumsn

1324notes n_social_network: Number in social network

1325foreach x in northeast midwest south west{
    2. notes `x': dcensdiv
    3. notes `x': `x' census division
    4. }

1326foreach x in division n_social_network northeast midwest south west {
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1327/*and now drop all raw variables
> forvalues i=1/7 {
>     drop r`i'* ip`i'* is`i'* re`i'* hc`i'* ht`i'* hh`i'* ss`i'* fl`i'* ///
>         pc`i'* cp`i'* cg`i'* mo`i'* ha`i'* sc`i'* mc`i'* pa`i'* sd`i'* hw`i'*
>     ///
>         cm`i'* sn`i'* hp`i'* ew`i'* ir`i'* dt`i'* wb`i'* wa`i'* gr`i'* ho`i'*
>     cs`i'*
> }
>
> drop ell1* rll1* ia1* ep2* pd2* pd3* pd4* pd5* pd6* pd7* ia3* ia5* ia7*
> */

```



```

1328//rename round*status r*status
1329
1330svyset varunit [pw=anfinwgt], strat(varstrat)

        pweight: anfinwgt
            VCE: linearized
Single unit: missing
  Strata 1: varstrat
    SU 1: varunit
    FPC 1: <zero>

1331
1332sort spid wave

1333by spid: carryforward educ*, replace
  education:  (0 real changes made)
  educ_hs_ind: (32766 real changes made)

1334label var educ_hs_ind "Education: HS+"

1335notes drop educ*
      (3 notes dropped)

1336
1337//10/25/18--add in payer and other variables from Jenny's homebound project
1338preserve

1339/*local mo outoft outcane outwalkr outwlchr outsctr outhlp outslf outdif outyr
> go ///
> outwout oftgoarea oflvlepr insdcane insdwalkr insdwlchr insdsctr oftholdwl //
> /
> insdhlp insdself insddif insdyrgo insdwout beddev bedhlp bedslf beddif bedwout
>
> local sc eatdevoft eathlp eatoft eatdif eatwout showrbat1 showrbat2 showrbat3
> ///
> prfrshbth scusgrbrs shtubseat bathhlp bathoft bathdif bathyrgo bathwout ///
> usvartoi1 usvartoi2 usvartoi3 usvartoi4 toilhlp toiloft toildif toilwout ///
> dresoft dresdev dreshlp dresyrgo dreswout
>
> local ha laun launself whrmachi1 whrmachi2 whrmachi3 whrmachi4 whrmachi5 ///
> whrmachi6 laundif launoft launwout shop shopslf howpaygr1 howpaygr2 howpaygr3
> ///
> howpaygr4 howpaygr5 howpaygr6 howpaygr7 howgtstr1 howgtstr2 howgtstr3 howgtst
> r4 ///
> howgtstr5 howgtstr6 howgtstr7 howgtstr8 shopcart shoplean shopdif shopoft sho
> pwout ///
> meal mealslf restamels oftmicrow mealdif mealoft mealwout bank bankslf bankdi
> f ///
> bankoft bankwout money moneyhlp
>
> local mc meds medstrk medself whrgtmed1 whrgtmed2 whrgtmed3 whrgtmed4 howpkupm
> 1 ///
> howpkupm2 howpkupm3 medsrem medsdif medsyrgo medsmis havregdoc regdoclyr hwgtr
> egd1 ///
> hwgtregd2 hwgtregd3 hwgtregd4 hwgtregd5 hwgtregd6 hwgtregd7 hwgtregd8 hwgtreg
> d9 ///
> ansitindr tpersevr1 tpersevr2 tpersevr3 tpersevr4 chginspln anhlpwdec
> */

1340//note--as of now, doesn't include round 7
1341forvalues wave=1/7 {
  2. use "E:\nhats\data\NHATS Public\round_`wave'\NHATS_Round_`wave'_SP_File.dta
> ", clear
  3. keep spid cs`wave'dnumchild ho`wave'entrst hh`wave'dhshldnum mo* sc* ha* mc
> *
  4. gen wave=`wave'
  5. rename cs`wave' n_children
  6. label var n_ch "Number of living children"
  7. rename ho`wave' stairs_ind
  8. label var stairs "Stairs to enter home"
  9. gen livesalone_ind=hh`wave'dhshldnum==1 if hh`wave'dhshldnum>=0
  10. label var livesal "Lives alone (only one in household)"
  11. foreach x in n sta live {

```

```

12. replace `x'=. if `x'<0
13. }
14.
1342local kidvars n_children stairs ind livesalone ind
15. gen ind_kids=n_children>=1 if !missing(n_children)
16. rename (mo`wave'* sc`wave'* ha`wave'* mc`wave'*) (* * * *)
17. rename (eatselfdif toiloft bathoft) (eatdif toilself bathself)
18.
1343foreach x in eat toil insd bed dres bath {
19.     gen `x'_jenny=inlist(`x'slf,3,4) | inlist(`x'dif,3,4) | `x'wout==1
20. }
21. egen adlcount=rowtotal(eat_j toil_j insd_j bed_j dres_j bath_j)
22.
1344//for iadls, reason don't do alone b/c health/function or reported difficulty
> or went w/o
1345gen medswout=0
23. foreach x in laun meds shop meal bank {
24.     drop `x'
25.     gen `x'_jenny=inlist(d`x'reas,1,3) | inlist(`x'dif,3,4) | `x'wout==
> 1
26. }
27. drop medswout
28. egen iadlcount=rowtotal(laun_j meds_j shop_j meal_j bank_j)
29. label var eat_j "Some/lot difficulty eating by self, or rarely/never, or ha
> d to go w/o"
30. label var toil_j "Some/lot difficulty toileting by self, or rarely/never, o
> r had to go w/o"
31. label var insd_j "Some/lot difficulty moving inside by self, or rarely/neve
> r, or had to go w/o"
32. label var bed_j "Some/lot difficulty getting out of bed by self, or rarely/
> never, or had to go w/o"
33. label var dres_j "Some/lot difficulty dressing by self, or rarely/never, or
> had to go w/o"
34. label var bath_j "Some/lot difficulty bathing by self, or rarely/never, or
> had to go w/o"
35. label var laun_j "Some/lot of difficulty with laundry by self, or not by se
> lf b/c health, or had to go w/o"
36. label var meds_j "Some/lot of difficulty with meds by self, or not by self
> b/c health, or had to go w/o"
37. label var shop_j "Some/lot of difficulty with shopping by self, or not by s
> elf b/c health, or had to go w/o"
38. label var meal_j "Some/lot of difficulty with hot meals by self, or not by
> self b/c health, or had to go w/o"
39. label var bank_j "Some/lot of difficulty with banking by self, or not by se
> lf b/c health, or had to go w/o"
40.
1346gen device_mobility=inlist(insdwalk,1,2) | inlist(outwalk,1,2) | inlist(insdwl
> ,1,2) ///
> | inlist(outwl,1,2) | inlist(insdsct,1,2) | inlist(outsct,1,2)
41.
1347label var device_mobility "Uses a walker, wheelchair, or scooter inside or out
> side"
42.
1348keep spid wave *_jenny device_mobility `kidvars' ind_kids adlcount iadlcount
43.
1349tempfile kids`wave'
44. save `kids`wave''
45.
1350use "E:\nhats\data\NHATS Public\round_`wave'\NHATS_Round_`wave'_OP_File.dta",
> clear
46. describe op`wave'*pay*
47. tab op`wave'*payshlp
48. tab op`wave'*progmpaid
49.

```

```

1351rename op`wave`sppays op`wave`sppayhlp
    50. foreach x in sp gov ins oth {
    51. gen paid_by_`x`=op`wave`x`payhlp==1 if op`wave`x`payhlp>0 | op`wave`x`pa
> yhlp<-1
    52. local lab : var label op`wave`x`payhlp
    53. label var paid_by_`x` "`lab'"
    54. }
    55. gen paid_by_unk=(paid_by_sp+paid_by_oth+paid_by_gov+paid_by_ins)==0 | ///
> ((paid_by_sp+paid_by_oth+paid_by_gov+paid_by_ins)==-4 & op`wave`paid==1)
    56. label var paid_by_unk "Unknown payer"
    57.
1352
1353levelsof op`wave`progmpaid, local(levels)
    58. foreach l of local levels {
    59. if `l`>0 {
    60. gen paid_by_gov_cat_`l`=op`wave`progmpaid==`l' if op`wave`progmpaid!=-1
    61. local lab : label op`wave`progmpaid `l'
    62. label var paid_by_gov_cat_`l` "`lab'"
    63. }
    64. }
    65. gen paid_by_gov_cat_unknown=op`wave`progmpaid<-1 if op`wave`progmpaid!=-1
    66. label var paid_by_gov_cat_unk "Unknown gov't payer (Missing,RF,DK)"
    67. gen op_insur_help=op`wave`insurhlp==1
    68. gen op_out_help=op`wave`outhlp==1
    69. gen op_money_help=op`wave`moneyhlp==1
    70. gen op_places_help=op`wave`tkplhlp1==1 | op`wave`tkplhlp2==1
    71. label var op_insur_help "Help with insurance decisions"
    72. keep spid opid paid* op_*
    73. tempfile paid
    74. save `paid'
    75. gen wave=`wave'
    76. merge 1:m spid opid wave using "E:\nhats\data\NHATS Cleaned\op_round_1_7",
> ///
> keep(match master) gen(opmer)
    77. merge 1:1 spid opid using `paid', keep(match master) gen(paidm)
    78. foreach x of varlist paid_by* {
    79. replace `x`=0 if paid==0
    80. }
    81. drop if n_helpers>=1 & opishelp==0
    82.
1354foreach x in sp gov ins unk oth {
    83. by spid, sort: egen any_paid_by_`x`=max(paid_by_`x')
    84. local lab :var label paid_by_`x`
    85. label var any_paid_by_`x` "`lab'"
    86. }
    87. rename paid_by_gov_cat_91 paid_by_gov_cat_oth
    88. foreach x of varlist paid_by_gov_cat* {
    89. by spid, sort: egen any_`x`=max(`x')
    90. local lab :var label `x'
    91. label var any_`x` "`lab'"
    92. }
    93.
1355
1356by spid: egen any_paid_by_medicare=max(paid_by_gov_cat_2)
    94. label var any_paid_by_medicare "Helper paid by Medicare"
    95. by spid: egen any_paid_by_medicaid=max(paid_by_gov_cat_1)
    96. label var any_paid_by_medicaid "Helper paid by Medicaid"
    97. by spid: egen any_paid_by_state=max(paid_by_gov_cat_3)
    98. label var any_paid_by_state "Helper paid by state program"
    99. gen ind_gt20hrs_wk_inf=tot_hrswk_help_i>20 if !missing(tot_hrswk_help_i)
100. replace ind_gt20hrs_wk_inf=0 if tot_hrswk_help_i-tot_hrswk_paid_i<20
101. gen ind_gt20hrs_wk_paid=tot_hrswk_paid_i>20 if !missing(tot_hrswk_paid_i)
102. label var ind_gt20hrs_wk_i "Unpaid help: >20 hrs wk"
103. label var ind_gt20hrs_wk_p "Paid help: >20 hrs wk"
104. gen ind_inf=n_helpers>=1 if !missing(n_helpers)
105. replace ind_inf=0 if n_paid==n_helpers
106. label var ind_inf "Any family/unpaid help"
107. local pvars ind_inf ind_gt20hrs_wk_inf ind_paid ind_gt20hrs_wk_paid ///
> any_paid_by_sp any_paid_by_gov ///
> any_paid_by_medicaid any_paid_by_medicare any_paid_by_state
108. replace any_paid_by_unk=1 if (any_paid_by_sp+any_paid_by_ins+any_paid_by_ot
> h ///

```

```

> +any_paid_by_gov==0) & ind_paid==1
109. local paidvars any_paid_by_sp any_paid_by_gov any_paid_by_ins any_paid_by_o
> th ///
> any_paid_by_unk any_paid_by_medicaid any_paid_by_medicare ///
> any_paid_by_gov_cat_oth any_paid_by_gov_cat_unknown any_paid_by_unk
110. keep spid any_paid* ind_gt* wave
111.
1357duplicates drop
112. tempfile paid`wave'
113. save `paid`wave''
114.
1358use "E:\nhats\data\NHATS Cleaned\op_round_1_$(w)" if wave==`wave' & opishelp==
> 1, clear
115. tokenize spouse daughter son otherfamily paid otherinformal
116. drop spouse daughter son paid
117. forvalues i=1/6 {
118.     gen `i'`=op_relat==`i'
119.     by spid: egen `i'`=help_ind=max(`i')
120.     label var `i'`=help "Has `i'`=helper"
121.     gen `i'`=hrs=op_hrswk i if `i'`=1
122.     by spid: egen tot_`i'`=total(`i'`=hrs) if `i'`=help_ind==1
123.     label var tot_`i'`=hrs "Hours of help/week from `i'`=sources"
124.     local ihelp `ihelp' `i'`=help_ind
125.     local chelp `chelp' tot_`i'`=hrs
126. }
127. label var otherfamily_he "Has other family helper"
128. label var otherinformal "Has non-family unpaid helper"
129. label var tot_otherf "Hours of help/week from other family sources"
130. label var tot_otheri "Hours of help/week from other unpaid sources"
131. keep spid `chelp' `ihelp' wave
132. duplicates drop
133.
1359tempfile hours`wave'
134. save `hours`wave''
135. }
(636 missing values generated)
(636 real changes made, 636 to missing)
(641 real changes made, 641 to missing)
(0 real changes made)
(636 missing values generated)
note: label truncated to 80 characters
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file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000004.tmp saved

```

variable name	storage type	display format	value label	variable label
oplsppayshlp	double	%12.0g	oplsppayshlp	R1 HL6 SP PAYS FOR HELP
oplgovpayhlp	double	%12.0g	oplgovpayhlp	R1 HL6 GOVT PAYS FOR HELP
oplinspayhlp	double	%12.0g	oplinspayhlp	R1 HL6 INSUR PAYS FOR HELP
oplothpayhlp	double	%12.0g	oplothpayhlp	R1 HL6 OTHER PAYS FOR HELP
oplpayunit	double	%12.0g	oplpayunit	R1 HL7 PAYMENT UNIT
oplhourlypay	double	%12.0g	oplhourlypay	R1 HL7A HOURLY AMOUNT PAID
oplweeklypay	double	%12.0g	oplweeklypay	R1 HL7B WEEKLY AMOUNT PAID

R1 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-8 DK	20	0.05	0.05
-7 RF	4	0.01	0.06
-1 Inapplicable	37,055	97.26	97.33
1 Yes	587	1.54	98.87
2 No	431	1.13	100.00
Total	38,097	100.00	

R1 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	42	0.11	0.11
-7 RF	1	0.00	0.11
-1 INAPPLICABLE	37,809	99.24	99.36
1 MEDICAID	67	0.18	99.53
2 MEDICARE	58	0.15	99.69
3 STATE PROGRAM	90	0.24	99.92
91 OTHER (SPECIFY)	30	0.08	100.00
Total	38,097	100.00	

(37,055 missing values generated)
(37,055 missing values generated)
(37,055 missing values generated)
(37,055 missing values generated)
-8 -7 -1 1 2 3 91

(37,809 missing values generated)
(37,809 missing values generated)
(37,809 missing values generated)
(37,809 missing values generated)
(37,809 missing values generated)

file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000005.tmp saved

Result	# of obs.	
not matched	0	
matched	38,097	(opmer==3)

Result	# of obs.	
not matched	0	
matched	38,097	(paidm==3)

(37,164 real changes made)
(37,112 real changes made)
(37,057 real changes made)
(37,068 real changes made)
(2 real changes made)
(37,192 real changes made)
(37,182 real changes made)
(37,214 real changes made)
(37,185 real changes made)
(37,189 real changes made)
(21,762 observations deleted)
(109 missing values generated)
(109 missing values generated)
(109 missing values generated)
(109 missing values generated)
(109 missing values generated)
(109 missing values generated)
(109 missing values generated)
(373 real changes made)
(130 real changes made)
(0 real changes made)

Duplicates in terms of all variables

(8,757 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000006.tmp saved
 (8,244 missing values generated)
 (6385 missing values generated)
 (8,639 missing values generated)
 (5798 missing values generated)
 (9,864 missing values generated)
 (7699 missing values generated)
 (10,109 missing values generated)
 (8526 missing values generated)
 (10,738 missing values generated)
 (9568 missing values generated)
 (10,391 missing values generated)
 (9140 missing values generated)

Duplicates in terms of all variables

(5,162 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000007.tmp saved
 (1,019 missing values generated)
 (1,019 real changes made, 1,019 to missing)
 (1,021 real changes made, 1,021 to missing)
 (0 real changes made)
 (1,019 missing values generated)
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 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000008.tmp saved

variable name	storage type	display format	value label	variable label
op2sppayshlp	double	%12.0g	op2sppayshlp	R2 HL6 SP PAYS FOR HELP
op2govpayhlp	double	%12.0g	op2govpayhlp	R2 HL6 GOVT PAYS FOR HELP
op2inspayhlp	double	%12.0g	op2inspayhlp	R2 HL6 INSUR PAYS FOR HELP
op2othpayhlp	double	%12.0g	op2othpayhlp	R2 HL6 OTHER PAYS FOR HELP
op2payunit	double	%12.0g	op2payunit	R2 HL7 PAYMENT UNIT
op2hourlypay	double	%12.0g	op2hourlypay	R2 HL7A HOURLY AMOUNT PAID
op2weeklypay	double	%12.0g	op2weeklypay	R2 HL7B WEEKLY AMOUNT PAID

R2 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-1 Inapplicable	36,915	97.29	97.29
1 YES	600	1.58	98.87
2 NO	429	1.13	100.00
Total	37,944	100.00	

R2 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	46	0.12	0.12
-7 RF	2	0.01	0.13
-1 Inapplicable	37,675	99.29	99.42
1 MEDICAID	70	0.18	99.60
2 MEDICARE	47	0.12	99.73
3 STATE PROGRAM	85	0.22	99.95
91 OTHER (SPECIFY)	19	0.05	100.00
Total	37,944	100.00	

(36,915 missing values generated)

```

(36,915 missing values generated)
(36,915 missing values generated)
(36,915 missing values generated)
-8 -7 -1 1 2 3 91
(37,675 missing values generated)
(37,675 missing values generated)
(37,675 missing values generated)
(37,675 missing values generated)
(37,675 missing values generated)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000009.tmp saved

```

Result	# of obs.	
not matched	0	
matched	37,944	(opmer==3)

Result	# of obs.	
not matched	0	
matched	37,944	(paidm==3)

```

(36,995 real changes made)
(36,915 real changes made)
(36,874 real changes made)
(36,888 real changes made)
(0 real changes made)
(37,017 real changes made)
(37,012 real changes made)
(37,030 real changes made)
(37,011 real changes made)
(37,012 real changes made)
(21,526 observations deleted)
(3 missing values generated)
(3 missing values generated)
(3 missing values generated)
(3 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(81 missing values generated)
(497 real changes made)
(113 real changes made)
(74 real changes made)

```

Duplicates in terms of all variables

```

(9,808 observations deleted)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000a.tmp saved
(7,266 missing values generated)
(5744 missing values generated)
(7,377 missing values generated)
(4927 missing values generated)
(8,361 missing values generated)
(6489 missing values generated)
(8,490 missing values generated)
(7048 missing values generated)
(8,930 missing values generated)
(7702 missing values generated)
(8,696 missing values generated)
(7550 missing values generated)

```

Duplicates in terms of all variables

(4,597 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000b.tmp saved
 (915 missing values generated)
 (915 real changes made, 915 to missing)
 (922 real changes made, 922 to missing)
 (0 real changes made)
 (915 missing values generated)
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 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000c.tmp saved

variable name	storage type	display format	value label	variable label
op3sppayshlp	double	%12.0g	op3sppayshlp	R3 HL6 SP PAYS FOR HELP
op3govpayhlp	double	%12.0g	op3govpayhlp	R3 HL6 GOVT PAYS FOR HELP
op3inspayhlp	double	%12.0g	op3inspayhlp	R3 HL6 INSUR PAYS FOR HELP
op3othpayhlp	double	%12.0g	op3othpayhlp	R3 HL6 OTHER PAYS FOR HELP
op3payunit	double	%12.0g	op3payunit	R3 HL7 PAYMENT UNIT
op3hourlypay	double	%12.0g	op3hourlypay	R3 HL7A HOURLY AMOUNT PAID
op3weeklypay	double	%12.0g	op3weeklypay	R3 HL7B WEEKLY AMOUNT PAID

R3 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-8 DK	1	0.00	0.00
-1 Inapplicable	34,805	97.37	97.37
1 YES	531	1.49	98.86
2 NO	408	1.14	100.00
Total	35,745	100.00	

R3 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	43	0.12	0.12
-1 Inapplicable	35,494	99.30	99.42
1 MEDICAID	73	0.20	99.62
2 MEDICARE	50	0.14	99.76
3 STATE PROGRAM	63	0.18	99.94
91 OTHER (SPECIFY)	22	0.06	100.00
Total	35,745	100.00	

(34,805 missing values generated)
 (34,805 missing values generated)
 (34,805 missing values generated)
 (34,805 missing values generated)

-8 -1 1 2 3 91

(35,494 missing values generated)
 (35,494 missing values generated)
 (35,494 missing values generated)
 (35,494 missing values generated)
 (35,494 missing values generated)

file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000d.tmp saved

Result	# of obs.
not matched	0
matched	35,745 (opmer==3)

Result	# of obs.	
not matched	0	
matched	35,745	(paidm==3)

(35,097 real changes made)
 (34,994 real changes made)
 (34,847 real changes made)
 (34,827 real changes made)
 (13 real changes made)
 (35,240 real changes made)
 (35,217 real changes made)
 (35,225 real changes made)
 (35,193 real changes made)
 (35,213 real changes made)
 (20,603 observations deleted)
 (36 missing values generated)
 (36 missing values generated)
 (36 missing values generated)
 (36 missing values generated)
 (36 missing values generated)
 (36 missing values generated)
 (36 missing values generated)
 (123 real changes made)
 (37 real changes made)
 (41 real changes made)

Duplicates in terms of all variables

(9,660 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000e.tmp saved
 (6,368 missing values generated)
 (4923 missing values generated)
 (6,321 missing values generated)
 (4065 missing values generated)
 (7,198 missing values generated)
 (5553 missing values generated)
 (7,194 missing values generated)
 (5831 missing values generated)
 (8,044 missing values generated)
 (7413 missing values generated)
 (6,940 missing values generated)
 (5373 missing values generated)

Duplicates in terms of all variables

(4,172 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000f.tmp saved
 (700 missing values generated)
 (700 real changes made, 700 to missing)
 (705 real changes made, 705 to missing)
 (0 real changes made)
 (700 missing values generated)
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 note: label truncated to 80 characters
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000g.tmp saved

variable name	storage type	display format	value label	variable label
op4sppayshlp	double	%12.0g	op4sppayshlp	R4 HL6 SP PAYS FOR HELP
op4govpayhlp	double	%12.0g	op4govpayhlp	R4 HL6 GOVT PAYS FOR HELP
op4inspayhlp	double	%12.0g	op4inspayhlp	R4 HL6 INSUR PAYS FOR HELP
op4othpayhlp	double	%12.0g	op4othpayhlp	R4 HL6 OTHER PAYS FOR HELP
op4payunit	double	%12.0g	op4payunit	R4 HL7 PAYMENT UNIT
op4hourlypay	double	%12.0g	op4hourlypay	R4 HL7A HOURLY AMOUNT PAID
op4weeklypay	double	%12.0g	op4weeklypay	R4 HL7B WEEKLY AMOUNT PAID

R4 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-8 DK	30	0.09	0.09
-7 RF	1	0.00	0.09
-1 Inapplicable	32,108	97.25	97.34
1 YES	522	1.58	98.92
2 NO	355	1.08	100.00
Total	33,016	100.00	

R4 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	37	0.11	0.11
-1 Inapplicable	32,817	99.40	99.51
1 MEDICAID	51	0.15	99.66
2 MEDICARE	26	0.08	99.74
3 STATE PROGRAM	58	0.18	99.92
91 OTHER (SPECIFY)	27	0.08	100.00
Total	33,016	100.00	

(32,108 missing values generated)
(32,108 missing values generated)
(32,108 missing values generated)
(32,108 missing values generated)

-8 -1 1 2 3 91

(32,817 missing values generated)
(32,817 missing values generated)
(32,817 missing values generated)
(32,817 missing values generated)
(32,817 missing values generated)

file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000h.tmp saved

Result	# of obs.
not matched	0
matched	33,016 (opmer==3)

Result	# of obs.
not matched	0
matched	33,016 (paidm==3)

(32,382 real changes made)
(32,257 real changes made)
(32,155 real changes made)
(32,137 real changes made)
(18 real changes made)
(32,506 real changes made)
(32,474 real changes made)
(32,506 real changes made)
(32,478 real changes made)

(32,490 real changes made)
 (19,721 observations deleted)
 (44 missing values generated)
 (44 missing values generated)
 (44 missing values generated)
 (44 missing values generated)
 (44 missing values generated)
 (44 missing values generated)
 (44 missing values generated)
 (44 missing values generated)
 (123 real changes made)
 (49 real changes made)
 (0 real changes made)

Duplicates in terms of all variables

(8,769 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000i.tmp saved
 (5,439 missing values generated)
 (4235 missing values generated)
 (5,309 missing values generated)
 (3388 missing values generated)
 (6,065 missing values generated)
 (4646 missing values generated)
 (6,126 missing values generated)
 (5020 missing values generated)
 (6,679 missing values generated)
 (6046 missing values generated)
 (5,807 missing values generated)
 (4425 missing values generated)

Duplicates in terms of all variables

(3,547 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000j.tmp saved
 (758 missing values generated)
 (758 real changes made, 758 to missing)
 (765 real changes made, 765 to missing)
 (0 real changes made)
 (758 missing values generated)
 note: label truncated to 80 characters
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 note: label truncated to 80 characters
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000k.tmp saved

variable name	storage type	display format	value label	variable label
op5sppayshlp	double	%12.0g	op5sppayshlp	R5 HL6 SP PAYS FOR HELP
op5govpayhlp	double	%12.0g	op5govpayhlp	R5 HL6 GOVT PAYS FOR HELP
op5inspayhlp	double	%12.0g	op5inspayhlp	R5 HL6 INSUR PAYS FOR HELP
op5othpayhlp	double	%12.0g	op5othpayhlp	R5 HL6 OTHER PAYS FOR HELP
op5payunit	double	%12.0g	op5payunit	R5 HL7 PAYMENT UNIT
op5hourlypay	double	%12.0g	op5hourlypay	R5 HL7A HOURLY AMOUNT PAID
op5weeklypay	double	%12.0g	op5weeklypay	R5 HL7B WEEKLY AMOUNT PAID

R5 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-8 DK	346	0.66	0.66
-7 RF	66	0.13	0.79
-1 Inapplicable	50,772	97.11	97.89
1 YES	764	1.46	99.36
2 NO	337	0.64	100.00
Total	52,285	100.00	

R5 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	62	0.12	0.12
-7 RF	1	0.00	0.12
-1 Inapplicable	51,957	99.37	99.49
1 MEDICAID	91	0.17	99.67
2 MEDICARE	31	0.06	99.73
3 STATE PROGRAM	103	0.20	99.92
91 OTHER (SPECIFY)	40	0.08	100.00
Total	52,285	100.00	

(50,772 missing values generated)

(50,915 missing values generated)

(51,008 missing values generated)

(51,033 missing values generated)

-8 -7 -1 1 2 3 91

(51,957 missing values generated)

(51,957 missing values generated)

(51,957 missing values generated)

(51,957 missing values generated)

(51,957 missing values generated)

file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000001.tmp saved

Result	# of obs.	
not matched	0	
matched	52,285	(opmer==3)

Result	# of obs.	
not matched	0	
matched	52,285	(paidm==3)

(50,556 real changes made)

(50,511 real changes made)

(50,441 real changes made)

(50,445 real changes made)

(417 real changes made)

(51,007 real changes made)

(50,991 real changes made)

(51,023 real changes made)

(50,995 real changes made)

(51,000 real changes made)

(30,975 observations deleted)

(30 missing values generated)

(38 missing values generated)

(50 missing values generated)

(52 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(123 missing values generated)

(586 real changes made)

(161 real changes made)

(119 real changes made)

Duplicates in terms of all variables

(13,370 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000m.tmp saved
 (9,197 missing values generated)
 (7073 missing values generated)
 (9,356 missing values generated)
 (6110 missing values generated)
 (10,653 missing values generated)
 (8207 missing values generated)
 (10,777 missing values generated)
 (8952 missing values generated)
 (11,203 missing values generated)
 (9489 missing values generated)
 (10,934 missing values generated)
 (9346 missing values generated)

Duplicates in terms of all variables

(6,002 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000n.tmp saved
 (866 missing values generated)
 (866 real changes made, 866 to missing)
 (877 real changes made, 877 to missing)
 (0 real changes made)
 (866 missing values generated)
 note: label truncated to 80 characters
 note: label truncated to 80 characters
 note: label truncated to 80 characters
 note: label truncated to 80 characters
 note: label truncated to 80 characters
 note: label truncated to 80 characters
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000o.tmp saved

variable name	storage type	display format	value label	variable label
op6sppayshlp	double	%12.0g	op6sppayshlp	R6 HL6 SP PAYS FOR HELP
op6govpayhlp	double	%12.0g	op6govpayhlp	R6 HL6 GOVT PAYS FOR HELP
op6inspayhlp	double	%12.0g	op6inspayhlp	R6 HL6 INSUR PAYS FOR HELP
op6othpayhlp	double	%12.0g	op6othpayhlp	R6 HL6 OTHER PAYS FOR HELP
op6payunit	double	%12.0g	op6payunit	R6 HL7 PAYMENT UNIT
op6hourlypay	double	%12.0g	op6hourlypay	R6 HL7A HOURLY AMOUNT PAID
op6weeklypay	double	%12.0g	op6weeklypay	R6 HL7B WEEKLY AMOUNT PAID

R6 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-1 Inapplicable	49,903	97.52	97.52
1 YES	719	1.41	98.92
2 NO	552	1.08	100.00
Total	51,174	100.00	

R6 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	66	0.13	0.13
-7 RF	1	0.00	0.13
-1 Inapplicable	50,859	99.38	99.52
1 MEDICAID	70	0.14	99.65
2 MEDICARE	28	0.05	99.71
3 STATE PROGRAM	106	0.21	99.91
91 OTHER (SPECIFY)	44	0.09	100.00

Total	51,174	100.00
-------	--------	--------

(49,903 missing values generated)

(49,903 missing values generated)

(49,903 missing values generated)

(49,903 missing values generated)

-8 -7 -1 1 2 3 91

(50,859 missing values generated)

(50,859 missing values generated)

(50,859 missing values generated)

(50,859 missing values generated)

(50,859 missing values generated)

file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000p.tmp saved

Result	# of obs.	
not matched	0	
matched	51,174	(opmer==3)

Result	# of obs.	
not matched	0	
matched	51,174	(paidm==3)

(50,285 real changes made)

(50,136 real changes made)

(49,963 real changes made)

(49,914 real changes made)

(0 real changes made)

(50,456 real changes made)

(50,414 real changes made)

(50,476 real changes made)

(50,422 real changes made)

(50,442 real changes made)

(30,722 observations deleted)

(1 missing value generated)

(1 missing value generated)

(1 missing value generated)

(1 missing value generated)

(54 missing values generated)

(54 missing values generated)

(54 missing values generated)

(54 missing values generated)

(54 missing values generated)

(54 missing values generated)

(54 missing values generated)

(54 missing values generated)

(155 real changes made)

(67 real changes made)

(67 real changes made)

Duplicates in terms of all variables

(13,460 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000q.tmp saved
 (8,472 missing values generated)
 (6489 missing values generated)
 (8,489 missing values generated)
 (5605 missing values generated)
 (9,564 missing values generated)
 (7355 missing values generated)
 (9,553 missing values generated)
 (7805 missing values generated)
 (10,636 missing values generated)
 (9806 missing values generated)
 (9,126 missing values generated)
 (6932 missing values generated)

Duplicates in terms of all variables

(5,630 observations deleted)
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000r.tmp saved
 (746 missing values generated)
 (746 real changes made, 746 to missing)
 (748 real changes made, 748 to missing)
 (0 real changes made)
 (746 missing values generated)
 note: label truncated to 80 characters
 note: label truncated to 80 characters
 note: label truncated to 80 characters
 note: label truncated to 80 characters
 note: label truncated to 80 characters
 note: label truncated to 80 characters
 file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000s.tmp saved

variable name	storage type	display format	value label	variable label
op7sppayshlp	double	%12.0g	op7sppayshlp	R7 HL6 SP PAYS FOR HELP
op7govpayhlp	double	%12.0g	op7govpayhlp	R7 HL6 GOVT PAYS FOR HELP
op7inspayhlp	double	%12.0g	op7inspayhlp	R7 HL6 INSUR PAYS FOR HELP
op7othpayhlp	double	%12.0g	op7othpayhlp	R7 HL6 OTHER PAYS FOR HELP
op7payunit	double	%12.0g	op7payunit	R7 HL7 PAYMENT UNIT
op7hourlypay	double	%12.0g	op7hourlypay	R7 HL7A HOURLY AMOUNT PAID
op7weeklypay	double	%12.0g	op7weeklypay	R7 HL7B WEEKLY AMOUNT PAID

R7 HL6 SP PAYS FOR HELP	Freq.	Percent	Cum.
-1 Inapplicable	47,944	97.72	97.72
1 YES	564	1.15	98.86
2 NO	557	1.14	100.00
Total	49,065	100.00	

R7 HL8 PROGRAM PAID FOR HELPER	Freq.	Percent	Cum.
-8 DK	38	0.08	0.08
-1 Inapplicable	48,795	99.45	99.53
1 MEDICAID	69	0.14	99.67
2 MEDICARE	32	0.07	99.73
3 STATE PROGRAM	92	0.19	99.92
91 OTHER (SPECIFY)	39	0.08	100.00
Total	49,065	100.00	

(47,944 missing values generated)
 (47,944 missing values generated)

```
(47,944 missing values generated)
(47,944 missing values generated)
-8 -1 1 2 3 91
(48,795 missing values generated)
(48,795 missing values generated)
(48,795 missing values generated)
(48,795 missing values generated)
(48,795 missing values generated)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000t.tmp saved
```

Result	# of obs.	
not matched	0	
matched	49,065	(opmer==3)

Result	# of obs.	
not matched	0	
matched	49,065	(paidm==3)

```
(47,991 real changes made)
(47,958 real changes made)
(47,904 real changes made)
(47,915 real changes made)
(0 real changes made)
(48,020 real changes made)
(48,009 real changes made)
(48,039 real changes made)
(48,011 real changes made)
(48,014 real changes made)
(29,742 observations deleted)
(6 missing values generated)
(6 missing values generated)
(6 missing values generated)
(6 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(89 missing values generated)
(455 real changes made)
(122 real changes made)
(79 real changes made)
```

Duplicates in terms of all variables

```
(13,200 observations deleted)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000u.tmp saved
(7,232 missing values generated)
(5577 missing values generated)
(7,183 missing values generated)
(4758 missing values generated)
(8,144 missing values generated)
(6142 missing values generated)
(8,181 missing values generated)
(6705 missing values generated)
(8,532 missing values generated)
(7149 missing values generated)
(8,388 missing values generated)
(7141 missing values generated)
```

Duplicates in terms of all variables

```
(4,766 observations deleted)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000v.tmp saved
```



```

1360
1361foreach x in hours paid kids {
2.      di "`x'"
3.      use ``x'1', clear
4.      forvalues i=2/6 {
5.          di "`i'"
6.          append using ``x'`i''
7.      }
8.      di "`x'"
9.      tempfile `x'
10.     save ``x''
11. }
hours
2
3
4
5
6
hours
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000w.tmp saved
paid
2
3
4
5
6
paid
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000x.tmp saved
kids
2
3
4
5
6
kids
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000010.tmp saved

```

```

1362
1363restore

```

```

1364
1365
1366
1367merge 1:1 spid wave using `kids', keep(match master) gen(kidm)
(label csldnumchild already defined)
(label holentrstair already defined)

```

Result	# of obs.	
not matched	6,312	
from master	6,312	(kidm==1)
from using	0	(kidm==2)
matched	41,466	(kidm==3)

```

1368merge 1:1 spid wave using `hours', keep(match master) gen(hrm)

```

Result	# of obs.	
not matched	16,377	
from master	16,377	(hrm==1)
from using	0	(hrm==2)
matched	31,401	(hrm==3)

1369merge 1:1 spid wave using `paid', keep(match master) gen(paidm)

Result	# of obs.	
not matched	8,650	
from master	8,650	(paidm==1)
from using	0	(paidm==2)
matched	39,128	(paidm==3)

1370

1371

1372notes n_children: dnumchild

1373notes n_children: Number of children

1374notes stairs_ind: entrstair

1375notes stairs_ind: Entrance you use most often, are their stairs.

1376notes livesalone_ind: dhshldnum

1377notes livesalone_ind: total number in household.

1378notes ind_kids: dnumchild n_children

1379notes ind_kids: Indicator have children

1380foreach x in eat toil insd bed dres bath {
 2. notes `x'_jenny: `x'slf (3,4) `x'dif (3,4) `x'wout (1)
 3. notes `x'_jenny: ADL if did not do or rarely do, needed help, go without do
> ing.
 4. notes `x'_jenny: Located in NHATS Setup, under Part 7.
 5. notes `x'_jenny: Updated: 04/11/19-MH
 6. }

1381notes adlcount: eat_jenny toil_jenny insd_jenny bed_jenny dres_jenny bath_jenn
> y

1382notes adlcount: count of Jenny's ADL measures

1383foreach x in laun meds shop meal bank {
 2. notes `x'_jenny: `x'reas (1,3) `x'dif (3,4) `x'wout (1)
 3. notes `x'_jenny: ADL if did not do or rarely do, needed help, go without do
> ing.
 4. notes `x'_jenny: Located in NHATS Setup, under Part 7.
 5. notes `x'_jenny: Updated: 04/11/19-MH
 6. }

1384notes iadlcount: laun_jenny meds_jenny shop_jenny meal_jenny bank_jenny

1385notes iadlcount: count of Jenny's IADL measures

1386notes device_mobility: insdwalk outwalk insdwl outwl insdsct outsct

1387notes device_mobility: If annswered most or everytime to having mobility devic
> e for ///
> question indicated.

1388notes any_paid_by_medicare: paid_by_gov_cat_2 from progmpaid
1389notes any_paid_by_medicare: Medicare program paid for helper.
1390notes any_paid_by_sp: paid_by_sp from sppayshlp
1391notes any_paid_by_sp: SP pays for help
1392notes any_paid_by_gov: paid_by_gov from govpayshlp
1393notes any_paid_by_gov: Government pays for help.
1394notes any_paid_by_ins: paid_by_ins from inspayshlp
1395notes any_paid_by_ins: Insurance pays for help.
1396notes any_paid_by_oth: paid_by_oth from othpayshlp
1397notes any_paid_by_oth: Other pays for help.
1398notes any_paid_by_unk: paid_by_sp paid_by_oth paid_by_gov paid_by_ins ///
> paid_by_sp paid_by_oth paid_by_gov paid_by_ins
1399notes any_paid_by_unk: Unknown who pays for help.
1400notes otherfamily_help_ind: relat
1401notes otherfamily_help_ind: Other family helpers
1402notes spouse_help_ind: relat
1403notes spouse_help_ind: Spouse as helper.
1404notes daughter_help_ind: relat
1405notes daughter_help_ind: Daughter as helper
1406notes son_help_ind: relat
1407notes son_help_ind: Son as helper
1408notes daughter_help_ind: relat
1409notes daughter_help_ind: Daughter as helper
1410notes paid_help_ind: relat
1411notes paid_help_ind: Has paid helper
1412notes otherinformal: relat
1413notes otherinformal: Has other family helpers.
1414notes tot_otherfamilyhrs: hrswk
1415notes tot_otherfamilyhrs: Other family hours.
1416notes tot_otherinformalhrs: hrswk
1417notes tot_otherinformalhrs: From other unpaid sources.

```

1418
1419foreach x in n_children stairs_ind livesalone_ind ind_kids adlcount iadlcount
> ///
> device mobility any_paid_by_medicare any_paid_by_sp any_paid_by_gov any_paid_b
> y_ins 7///
> any_paid_by_oth any_paid_by_unk otherfamily_help_ind spouse_help_ind daughter_
> help_ind ///
> son_help_ind daughter_help_ind paid_help_ind otherinformal tot_otherfamilyhrs
> tot_otherinformalhrs {
2. notes `x': Located in NHATS Setup, under Part 7.
3. notes `x': Updated: 04/12/19-MH
4. }

1420
1421label var aveincome "Income"

1422label var residence "Type of residence"

1423drop sr*raw ht_new pr_ad8* dem_via_proxy speaktosp date_item* date_sum* ///
> preslast presfirst vp* presvp* date_prvp clock_scorer irecall drecall ///
> wordrecall *65 kidm hrm paidm SP_completed deceased /*va*ser* el5 rl* */

1424
1425foreach x in eat bath toil dres {
2. label var adl_`x'_diff "Has difficulty while `x'ing last month"
3. label var adl_`x'_not "Did not `x' by self in last month"
4. }

1426
1427foreach x in laun shop meal bank meds {
2. label var iadl_`x'_diff "Has difficulty while `x'ing last month"
3. label var iadl_`x'_not "Did not `x' in last month"
4. }

1428label var iadl_meds_diff "Difficulty taking meds last month"

1429label var iadl_meds_not "Didn't take meds or not by self in last month"

1430label var adl_ins_diff "Difficulty moving around inside by self in last month"

1431label var adl_ins_no "Didn't move around inside by self in last month"

1432label var adl_bed_dif "Difficulty getting out of bed by self in last month"

1433label var adl_bed_no "Didn't get out of bed by self in last month"

1434label var num_helpers_cat "Categorical number of helpers"

1435label var ivw_type "Type of interview"

1436label var income_cat "Categorical income"

1437label var trfinwgt "Tracker weight"

1438label var tr2011wgt "Tracker weight (2011 cohort)"

1439label var howgetdoc "Mode of transport to regular doctor"

1440label var ivw_day "Day of interview (Assigned to 1 for all)"

```

```

1441label var ivw_month "Month of interview"
1442label var ivw_year "Year of interview"
1443label var ivw_date "Date of interview (1st of the month assigned)"
1444label var community_dwelling "Community dwelling"
1445label var marital_sd "Separated or divorced"
1446label var iadl_diff_index "Count of IADL difficulties reported (missing coded
> as zero)"
1447label var iadl_diff_ind "Indicator of any IADL difficulty reported (missing co
> ded as zero)"
1448label var adl_diff_index "Count of IADL difficulties reported (missing coded a
> s zero)"
1449label var adl_diff_ind "Indicator of any IADL difficulty reported (missing cod
> ed as zero)"
1450label var nhats_death_day "Sensitive: Day of death from NHATS (Assigned to las
> t day of month)"
1451label var nhats_death_month "Sensitive: Month of death from NHATS"
1452label var nhats_death_year "Sensitive: Year of death from NHATS"
1453label var division "Census division"
1454label var region "Region"
1455label var ind_kids "Indicator any living children"
1456
1457rename adlcount adlcount_jenny
1458label var adlcount_j "ADL count: some/lot of difficulty or adverse consequence
> of unmet need"
1459rename iadlcount iadlcount_jenny
1460label var iadlcount_j "IADL count: some/lot of difficulty or adverse consequen
> ce of unmet need"
1461
1462notes adl_bed_diff: mo*beddif
1463notes adl_bed_diff: How much difficulty getting out of bed. Any difficulty fla
> gged.
1464notes adl_ins_diff: mo*insddif
1465notes adl_ins_diff: How much difficulty getting around house. Any difficulty f
> lagged.
1466notes adl_eat_diff: eatslfdif
1467notes adl_eat_diff: How much difficulty eating by yourself. Any difficulty fla
> gged.

```

```

1468notes adl_bath_diff: sc*bathdif
1469notes adl_bath_diff: How much difficulty have bathing/showering. Any difficult
> y flagged.
1470notes adl_toil_diff: sc*toildif
1471notes adl_toil_diff: How much difficulty using the toilet. Any difficulty flag
> ged.
1472notes adl_dres_diff: sc*dresdif
1473notes adl_dres_diff: How much difficulty getting dressed. Any difficulty flagg
> ed.
1474notes iadl_laun_diff: ha*laundif
1475notes iadl_laun_diff: How much difficulty doing laundry. Any difficulty flagge
> d.
1476notes iadl_shop_diff: ha*shopdif
1477notes iadl_shop_diff: How much difficulty doing shop. Any difficulty flagged.
1478notes iadl_meal_diff: ha*dmealdif
1479notes iadl_meal_diff: How much difficulty shopping for groceries or personal i
> tems. Any difficulty flagged.
1480notes iadl_bank_diff: ha*bankdif
1481notes iadl_bank_diff: How much difficulty doing banking and handling bills. An
> y difficulty flagged.
1482notes iadl_meds_diff: mc*medsdif
1483notes iadl_meds_diff: How much difficulty keeping track of meds. Any difficult
> y flagged.
1484
1485foreach x in adl_bed_diff adl_ins_diff adl_eat_diff adl_bath_diff adl_toil_dif
> f adl_dres_diff 7//
> iadl_laun_diff iadl_shop_diff iadl_meal_diff iadl_bank_diff iadl_meds_diff{
2. notes `x': Located in NHATS Setup, under Part 7.
3. notes `x': Updated: 04/12/19-MH
4. }
1486
1487// 11/8/18 Making National Estimates using 2011 population (using original wei
> ghts) Rds 1-4
1488rename anfinwgt old_anfinwgt
1489gen double anfinwgt=old_anfinwgt
1490replace anfinw=old_anfinwgt*5491440/4649902 if inrange(age,65,69) & female==0
> & inrange(wave,1,4)
(1,390 real changes made)
1491replace anfinw=old_anfinwgt*4087340/4097017 if inrange(age,70,74) & female==0
> & inrange(wave,1,4)
(2,322 real changes made)

```

```

1492replace anfinw=old_anfinwgt*3027820/3001146 if inrange(age,75,79) & female==0
> & inrange(wave,1,4)
(2,122 real changes made)

1493replace anfinw=old_anfinwgt*2169060/2173979 if inrange(age,80,84) & female==0
> & inrange(wave,1,4)
(2,039 real changes made)

1494replace anfinw=old_anfinwgt*1194880/1224397 if inrange(age,85,89) & female==0
> & inrange(wave,1,4)
(1,421 real changes made)

1495replace anfinw=old_anfinwgt*524540/463619 if inrange(age,90,150) & female==0 &
> inrange(wave,1,4)
(876 real changes made)

1496
1497replace anfinw=old_anfinwgt*6124980/5250466 if inrange(age,65,69) & female==1
> & inrange(wave,1,4)
(1,622 real changes made)

1498replace anfinw=old_anfinwgt*4781940/4843444 if inrange(age,70,74) & female==1
> & inrange(wave,1,4)
(2,749 real changes made)

1499replace anfinw=old_anfinwgt*3886940/3878674 if inrange(age,75,79) & female==1
> & inrange(wave,1,4)
(2,775 real changes made)

1500replace anfinw=old_anfinwgt*3249940/3215654 if inrange(age,80,84) & female==1
> & inrange(wave,1,4)
(3,027 real changes made)

1501replace anfinw=old_anfinwgt*2230480/2257969 if inrange(age,85,89) & female==1
> & inrange(wave,1,4)
(2,458 real changes made)

1502replace anfinw=old_anfinwgt*1382160/1329677 if inrange(age,90,150) & female==1
> & inrange(wave,1,4)
(2,362 real changes made)

1503
1504// Making National Estimates using 2015 population (using original weights) Rd
> s 5-7
1505replace anfinw=old_anfinwgt*6855860/5671878 if inrange(age,65,69) & female==0
> & inrange(wave,5,7)
(1,033 real changes made)

1506replace anfinw=old_anfinwgt*4941100/5071147 if inrange(age,70,74) & female==0
> & inrange(wave,5,7)
(2,135 real changes made)

1507replace anfinw=old_anfinwgt*3367300/3524465 if inrange(age,75,79) & female==0
> & inrange(wave,5,7)
(1,927 real changes made)

1508replace anfinw=old_anfinwgt*2257880/2208455 if inrange(age,80,84) & female==0
> & inrange(wave,5,7)
(1,635 real changes made)

```

```

1509replace anfinw=old_anfinwgt*1307620/1358952 if inrange(age,85,89) & female==0
    > & inrange(wave,5,7)
    (1,266 real changes made)

1510replace anfinw=old_anfinwgt*648680/624319 if inrange(age,90,150) & female==0 &
    > inrange(wave,5,7)
    (835 real changes made)

1511
1512replace anfinw=old_anfinwgt*7601440/6226214 if inrange(age,65,69) & female==1
    > & inrange(wave,5,7)
    (1,162 real changes made)

1513replace anfinw=old_anfinwgt*5695060/6077509 if inrange(age,70,74) & female==1
    > & inrange(wave,5,7)
    (2,524 real changes made)

1514replace anfinw=old_anfinwgt*4182460/4196832 if inrange(age,75,79) & female==1
    > & inrange(wave,5,7)
    (2,495 real changes made)

1515replace anfinw=old_anfinwgt*3165560/3137807 if inrange(age,80,84) & female==1
    > & inrange(wave,5,7)
    (2,383 real changes made)

1516replace anfinw=old_anfinwgt*2253980/2157300 if inrange(age,85,89) & female==1
    > & inrange(wave,5,7)
    (2,018 real changes made)

1517replace anfinw=old_anfinwgt*1577880/1534438 if inrange(age,90,150) & female==1
    > & inrange(wave,5,7)
    (1,995 real changes made)

1518
1519// Making National Estimates using 2011 Population (2011 Weights) for Rds 5-7
1520rename an2011wgt old_an2011wgt

1521gen an2011wgt=old_an2011wgt
    (25,856 missing values generated)

1522replace an2011wgt=old_an2011wgt*5491440/4649902 if inrange(age,65,69) & female
    > ==0 & inrange(wave,5,7)
    (16 real changes made)

1523replace an2011wgt=old_an2011wgt*4087340/4097017 if inrange(age,70,74) & female
    > ==0 & inrange(wave,5,7)
    (1,036 real changes made)

1524replace an2011wgt=old_an2011wgt*3027820/3001146 if inrange(age,75,79) & female
    > ==0 & inrange(wave,5,7)
    (1,028 real changes made)

1525replace an2011wgt=old_an2011wgt*2169060/2173979 if inrange(age,80,84) & female
    > ==0 & inrange(wave,5,7)
    (910 real changes made)

1526replace an2011wgt=old_an2011wgt*1194880/1224397 if inrange(age,85,89) & female
    > ==0 & inrange(wave,5,7)
    (749 real changes made)

```



```

1527replace an2011wgt=old_an2011wgt*524540/463619 if inrange(age,90,150) & female=
> =0 & inrange(wave,5,7)
(532 real changes made)

1528
1529replace an2011wgt=old_an2011wgt*6124980/5250466 if inrange(age,65,69) & female
> ==1 & inrange(wave,5,7)
(20 real changes made)

1530replace an2011wgt=old_an2011wgt*4781940/4843444 if inrange(age,70,74) & female
> ==1 & inrange(wave,5,7)
(1,195 real changes made)

1531replace an2011wgt=old_an2011wgt*3886940/3878674 if inrange(age,75,79) & female
> ==1 & inrange(wave,5,7)
(1,350 real changes made)

1532replace an2011wgt=old_an2011wgt*3249940/3215654 if inrange(age,80,84) & female
> ==1 & inrange(wave,5,7)
(1,369 real changes made)

1533replace an2011wgt=old_an2011wgt*2230480/2257969 if inrange(age,85,89) & female
> ==1 & inrange(wave,5,7)
(1,285 real changes made)

1534replace an2011wgt=old_an2011wgt*1382160/1329677 if inrange(age,90,150) & femal
> e==1 & inrange(wave,5,7)
(1,240 real changes made)

1535
1536label var anfinwgt "Updated Analytic Weights"

1537label var an2011wgt "Updated 2011 Analytic Weight for Rds 5+"

1538
1539notes anfinwgt : r*anfinwgt0

1540notes anfinwgt : Analytic final weight, post-stratified to most recent sample
> frame as in the technical paper

1541notes anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-7
> header

1542notes anfinwgt : "_"

1543notes anfinwgt : Freedman, VA and BC Spillman. Making National Estimates... NH
> ATS Technical Paper#17.

1544
1545notes an2011wgt : r*an2011wgt0

1546notes an2011wgt : Analytic final weight, post-stratified to most 2011 sample f
> rame as in the technical paper

1547notes an2011wgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-7
> header

1548notes an2011wgt : "_"

1549notes an2011wgt : Freedman, VA and BC Spillman. Making National Estimates... N
> HATS Technical Paper#17.

```

```

1550
1551notes old_anfinwgt : r*anfinwgt0

1552notes old_anfinwgt : Original analytic weight

1553notes old_anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Ste
> p-7 header

1554notes old_anfinwgt : "_"

1555notes old_anfinwgt : Freedman, VA and BC Spillman. Making National Estimates..
> . NHATS Technical Paper#17.

1556
1557notes old_an201lwgt : r*an201lwgt0

1558notes old_an201lwgt : Original analytic weight for 2011 sample frame

1559notes old_an201lwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-7 header

1560notes old_an201lwgt : "_"

1561notes old_an201lwgt : Freedman, VA and BC Spillman. Making National Estimates.
> .. NHATS Technical Paper#17.

1562
1563
1564/*Add notes for raw variables or variables that were created in earlier header
> s*/
1565notes varstrat : r*varstrat

1566notes varunit : r*varunit

1567notes wave : "_"

1568notes wave : Wave assigned to round number

1569notes wave : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-1 head
> er

1570notes proxy_ivw : is*resptype

1571notes proxy_ivw : Is the interview a proxy? 1=yes

1572notes proxy_ivw : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3
> header

1573notes age : r*dintvwrage r*ddeathage

1574notes age : Age at interview if living or death if LML

1575notes age : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 heade
> r

1576notes educ_hs_ind : el*higstschl

1577notes educ_hs_ind : Completed HS+ (includes GED)

1578notes educ_hs_ind : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step
> -3 header

```

1579notes white : rl*dracehisp
1580notes white : Non-Hispanic White
1581notes white : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 head
> der
1582notes black : rl*dracehisp
1583notes black : Non-Hispanic Black
1584notes black : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 head
> der
1585notes hisp : rl*dracehisp
1586notes hisp : Any Hispanic
1587notes hisp : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 head
> er
1588notes other_race : rl*dracehisp
1589notes other_race : Any non-White, non-Black, non-Hispanic race
1590notes other_race : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-
> 1 header
1591notes medicaid : ip*cmedicaid
1592notes medicaid : "_"
1593notes medicaid : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3
> header
1594notes medigap : ip*mgapmedsp
1595notes medigap : "_"
1596notes medigap : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 h
> eader
1597notes srh_fp : hc*health
1598notes srh_fp : SR health is poor or fair (as opposed to good, v. good, or exce
> llent)
1599notes srh_fp : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-4 he
> ader
1600notes adl_eat_help : sc*eathelp
1601notes adl_eat_help : Help eating in the last month
1602notes adl_eat_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Ste
> p-5 header
1603notes adl_bath_help : sc*bathhelp
1604notes adl_bath_help : Help bathing in the last month

```

1605notes adl_bath_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header

1606notes adl_toil_help : sc*toilhelp

1607notes adl_toil_help : Help toiling in the last month

1608notes adl_toil_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header

1609notes adl_dres_help : sc*dreshelp

1610notes adl_dres_help : Help dressing in the last month

1611notes adl_dres_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header

1612notes fall_last_month: flslsinmth

1613notes fall_last_month: Fallen down in last month.

1614notes fall_last_month: Located in NHATS Setup, under Part 5.

1615notes fall_last_month: Updated: 04/17/19-MH

1616notes adl_eat_not_done: eatslfoft

1617foreach x in bath toil dres{
  2. notes adl_`x'_not_done: `x'oft
  3. }

1618foreach x in eat bath toil {
  2. notes adl_`x'_not_done: How often `x' by self and without help.
  3. }

1619notes adl_dres_not_done: How often you dress.

1620foreach x in eat bath toil dres{
  2. notes adl_`x'_not_done: Located in NHATS Setup, under Part 5.
  3. notes adl_`x'_not_done: Updated: 04/17/19-MH
  4. }

1621foreach x in laun shop meal bank{
  2. notes iadl_`x'_help: d`x'sfdf d`x'reas
  3. notes iadl_`x'_help: `x' difficulty level and if `x' done by others
  4. notes iadl_`x'_help: Located in NHATS Setup, under Part 5.
  5. notes iadl_`x'_help: Updated: 04/17/19-MH
  6. notes iadl_`x'_not_done: ha*`x'
  7. notes iadl_`x'_not_done: How `x' made/completed.
  8. notes iadl_`x'_not_done: Located in NHATS Setup, under Part 5.
  9. notes iadl_`x'_not_done: Updated: 04/17/19-MH
  10. }

1622notes iadl_meds_help: dmedssfdf dmedsreas

1623notes iadl_meds_help: Difficulty level of medications, medicine reason with ot
> hers.

1624notes iadl_meds_diff: medsdif

```

[illegible]

1643notes female: Gender variable only asked in wave 1 & 5.

1644notes race_cat: dracehisp

1645notes race_cat: Race and Hispanic ethnicity only asked in wave 1 & 5.

1646notes education: higestschl

1647notes education: Highest degree/ level of schooling only asked in wave 1 & 5.

1648notes educ_hs_ind: higestschl

1649notes educ_hs_ind: Indicator having HS+

1650forvalues i=1/5{
 2. notes imputed_inc`i': toincim`i'
 3. notes imputed_inc`i': Imputed income
 4. notes imputed_inc`i': Located in NHATS Setup, under Part 3.
 5. notes imputed_inc`i': Updated: 04/18/19-MH
 6. }

1651notes aveincome: imputed_inc1-imputed_inc5

1652notes aveincome: Took mean of imputed income. Not done for wave 2.

1653notes income_cat: aveincome imputed_inc1-imputed_inc5

1654notes income_cat: Make income categories.

1655notes otherlang: spkothlan condspanh

1656notes otherlang: Speak other language than English; Interview being conducted
 > in Spanish.

1657notes freq_go_out: outoft

1658notes freq_go_out: How often went outside.

1659notes help_go_out: outhlp

1660notes help_go_out: Anyone help you go outside.

1661notes out_on_own: outoft outhlp

1662notes out_on_own: Left home by self.

1663notes needshelp: help_go_out out_on_own

1664notes needshelp: Leaves home with help if never leaves by self and has help to
 > leave.

1665notes hasdifficulty: outdif

1666notes hasdifficulty: How much difficulty to go outside (even with devices)

1667notes helpdiff: help_go_out out_on_own outdif

1668notes helpdiff: Has difficulty or needs help going outside.

1669notes independent: outhlp outdif

```

1670notes independent: Doesn't have difficulty and no help to leave home.
1671notes homebound_cat: outoft outoft outhlp help_go_out out_on_own outdif
1672notes homebound_cat: homebound categorical variable.
1673notes indeplow: outoft outhlp outdif
1674notes indeplow: Rarely leaves home, but is independent.
1675notes indephigh: outoft outhlp outdif
1676notes indephigh: Goes out often, but is independent.
1677notes never_go_out: freq_go_out outoft
1678notes never_go_out: Never goes out.
1679notes whiteoth: race_cat
1680notes whiteoth: White non-hispanic or other, combined category.
1681notes maritalstat: martlstat dmarstat
1682notes maritalstat: Marital status category.
1683notes mc_partd: covmedcad
1684notes mc_partd: Currently have Medicare, Part D coverage.
1685notes tricare: covtricar
1686notes tricare: Health care for active and retired Armed forces, their families
> , and survivors.
1687notes private_ltc: nginsnurs
1688notes private_ltc: Have insurance that would pay for more than a year of care
> in ///
> nursing home, assisted living, and in own home.
1689notes moved: dadrscorr spadrsnew
1690notes moved: Address same or different address.
1691notes residence: resistrct dresistrct
1692notes residence: Residence physical structure.
1693notes livearrang: lvngarrg dlvngarrg
1694notes livearrang: Living arrangement.
1695notes livealone: livearrang dlvngarrg
1696notes livealone: Lives alone
1697foreach x in female race_cat education income_cat otherlang aveincome freq_go_
> out ///
> help_go_out out_on_own needshelp hasdifficulty helpdiff independent homebound_
> cat ///
> indeplow indephigh never_go_out whiteoth maritalstat mc_partd tricare private_
> ltc ///
> moved residence livearrang livealone {
2. notes `x': Located in NHATS Setup, under Part 3.
3. notes `x': Updated: 04/18/19-MH
4. }

```

1698
1699notes sr_ami_ever: sr_ami_raw disescn1
1700notes sr_ami_ever: If ever had a heart attack or myocardial infarction (self-r
> eport).
1701notes sr_stroke_ever: sr_stroke_raw disescn8
1702notes sr_stroke_ever: If ever had a stroke (self-report).
1703notes sr_cancer_ever: sr_cancer_raw disescn10
1704notes sr_cancer_ever: If ever had cancer (self-report).
1705notes sr_ami_new: sr_ami_raw disescn1
1706notes sr_ami_new: If heart attack or myocardial infarction within last year (s
> elf-report).
1707notes sr_stroke_new: sr_stroke_raw disescn8
1708notes sr_stroke_new: If stroke within last year (self-report).
1709notes sr_cancer_new: sr_cancer_raw disescn10
1710notes sr_cancer_new: If cancer found within last year (self-report).
1711notes sr_hip_ever: sr_hip_raw brokebon1
1712notes sr_hip_ever: Had ever broken or fractured hip (self-report).
1713notes sr_hip_new: sr_hip_raw brokebon1
1714notes sr_hip_new: Had hip fracture since prev interview (self-report).
1715notes sr_heart_dis_ever: sr_heart_dis_raw disescn2
1716notes sr_heart_dis_ever: Had heart disease ever (self-report)
1717notes sr_heart_dis_new: sr_heart_dis_raw disescn2
1718notes sr_heart_dis_new: Had heart disease since prev interview (self-report).
1719notes sr_htn_ever: sr_htn_raw disescn3
1720notes sr_htn_ever: Had High blood pressure ever (self-report)
1721notes sr_htn_new: sr_htn_raw disescn3
1722notes sr_htn_new: Had High blood pressure since prev interview (self-report).
1723notes sr_ra_ever: sr_ra_raw disescn4
1724notes sr_ra_ever: Had arthritis ever (self-report)
1725notes sr_ra_new: sr_ra_raw disescn4
1726notes sr_ra_new: Had arthritis since prev interview (self-report).
1727notes sr_osteoprs_ever: sr_osteoprs_raw disescn5


```

1728notes sr_osteoprs_ever: Had osteoporosis ever (self-report)
1729notes sr_osteoprs_new: sr_osteoprs_raw disescn5
1730notes sr_osteoprs_new: Had osteoporosis since prev interview (self-report).
1731notes sr_diabetes_ever: sr_diabetes_raw disescn6
1732notes sr_diabetes_ever: Had diabetes ever (self-report)
1733notes sr_diabetes_new: sr_diabetes_raw disescn6
1734notes sr_diabetes_new: Had diabetes since prev interview (self-report).
1735notes sr_lung_dis_ever: sr_lung_dis_raw disescn7
1736notes sr_lung_dis_ever: Had lung disease ever (self-report)
1737notes sr_lung_dis_new: sr_lung_dis_raw disescn7
1738notes sr_lung_dis_new: Had lung disease since prev interview (self-report).
1739notes sr_dementia_ever: sr_dementia_raw disescn9
1740notes sr_dementia_ever: Had dementia ever (self-report)
1741notes sr_dementia_new: sr_dementia_raw disescn9
1742notes sr_dementia_new: Had dementia since prev interview (self-report).
1743foreach x in sr_ami_ever sr_stroke_ever sr_ami_new sr_stroke_new sr_cancer_new
> ///
> sr_cancer_ever sr_hip_ever sr_hip_new sr_heart_dis_ever sr_heart_dis_new ///
> sr_htn_ever sr_htn_new sr_ra_ever sr_ra_new sr_osteoprs_ever sr_osteoprs_new /
> //
> sr_diabetes_ever sr_diabetes_new sr_lung_dis_ever sr_lung_dis_new sr_dementia_
> ever sr_dementia_new{
2. notes `x': Located in NHATS Setup, under Part 4.
3. notes `x': Updated: 04/15/19-MH
4. }
1744notes lml_ivw_yes: r*spstat r*status
1745notes lml_ivw_yes: Last wave of life interview.
1746notes srh: hc*health
1747notes srh: Self-reported health. As is.
1748foreach x in lml_ivw_yes srh{
2. notes `x': Located in NHATS Setup, under Part 3.
3. notes `x': Updated: 04/25/19-MH
4. }
1749notes prim_helper_opid: Opid
1750notes prim_helper_opid: Primary helper opid.
1751notes prim_helper_cat: op_hrs_mth_i max_hrs_helped opishelper_allw

```

```

1752notes prim_helper_cat: Primary helper is the OP with most hours.
1753notes tot_hrsmonth_help_i: op_hrsmonth_i
1754notes tot_hrsmonth_help_i: imputed total number of helper hours received per m
> onth.
1755notes n_helpers: op_hrsmonth_i
1756notes n_helpers: Number of helpers per spid wave.
1757notes tot_hrswk_help_i: op_hrsmonth_i
1758notes tot_hrswk_help_i: imputed total number of helper hours received per week
> .
1759notes n_family_helpers: op_relationship_cat
1760notes n_family_helpers: OP is a family helper.
1761notes ind_family_helper: op_relationship_cat
1762notes ind_family_helper: Indicate a family helper.
1763notes n_paid_helpers: paid
1764notes n_paid_helpers: Number paid helpers.
1765notes ind_paid_helper: n_paid_helper
1766notes ind_paid_helper: Indicate any paid helper.
1767notes ind_rc_staff: rc_staff
1768notes ind_rc_staff: Indicate facility staff.
1769notes num_helpers_cat: n_helpers
1770notes num_helpers_cat: Categorical number of helpers, 0-2, 3-6, 7+
1771notes tot_hrsmonth_paid_i: phrs
1772notes tot_hrsmonth_paid_i: Imputed help received hours per month, for paid he
> lpers
1773notes tot_hrswk_paid_i: tot_hrsmonth_paid_i
1774notes tot_hrswk_paid_i: Imputed help received hours per week, for paid helpers
1775notes ind_no_helpers: n_helpers
1776notes ind_no_helpers: No reported helpers.
1777foreach x in prim_helper_opid prim_helper_cat tot_hrsmonth_help_i n_helpers to
> t_hrswk_help_i ///
> n_family_helpers ind_family_helper n_paid_helpers ind_paid_helper ind_rc_staff
> num_helpers_cat ///
> tot_hrsmonth_paid_i tot_hrswk_paid_i ind_no_helpers{
2. notes `x': Located in NHATS Setup, under Part 6.
3. notes `x': Updated: 04/25/19-MH
4. }

```

```

1778notes sr_phq2_score: depresan1 depresan2 made into sr_depr_pqq1 sr_depr_pqq2
1779notes sr_phq2_score: Adding sr_depr_pqq1 and sr_depr_pqq2 to get a score. Had
> little //
> interest doing things; felt hopeless, down, or depressed.
1780notes sr_phq2_depressed: sr_phq2_score
1781notes sr_phq2_depressed: If score is greater 3 or more, then classified as dep
> ressed per PHQ-2.
1782notes sr_gad2_score: sr_anx_gad1 sr_anx_gad2
1783notes sr_gad2_score: Adding sr_anx_gad1 and sr_anx_gad2 to get a score. Felt n
> ervous, anxious, or on edge; //
> been unable to stop or control worrying.
1784notes sr_gad2_anxiety: sr_gad2_score
1785notes sr_gad2_anxiety: If score is greater 3 or more, then classified as havin
> g anxiety per GAD-2.
1786notes dem_3_cat: disescn9 dem_via_proxy speaktosp
1787notes dem_3_cat: Indicates if SP reported dementia, from either SP themselves
> or through proxy.
1788notes dem_2_cat: disescn9 dem_via_proxy speaktosp
1789notes dem_2_cat: Indicates if SP reported dementia. Possible/ probable dementi
> a status.
1790notes memory: ratememry memrygood
1791notes memory: Rate your memory.
1792foreach x in sr_phq2_score sr_phq2_depressed sr_gad2_score sr_gad2_anxiety dem
> _3_cat memory{
2. notes `x': Located in NHATS Setup, under Part 4.
3. notes `x': Updated: 04/29/19-MH
4. }
1793
1794
1795
1796keep spid old_anfinwgt varstrat varunit wave yearsample r7status r6status r5st
> atus r4status r3status r2status rlstatus ivw_type sp_ivw_yes lml_ivw_yes proxy
> _ivw freq_go_out ///
> _help_go_out out_on_own needshelp hasdifficulty helpdiff independent homebound_
> cat never_go_out indeplow indephigh age female race_cat education educ_hs_ind
> imputed_incl ///
> imputed_inc2 imputed_inc3 imputed_inc4 imputed_inc5 aveincome income_cat other
> lang white black hisp other_race whiteoth maritalstat medicaid medigap mc_part
> d_tricare ///
> private_ltc residence livearrang livealone srh srh_fp sr_ami_ever sr_ami_new s
> r_stroke_ever sr_stroke_new sr_cancer_ever sr_cancer_new sr_hip_ever sr_hip_ne
> w ///
> sr_heart_dis_ever sr_heart_dis_new sr_htn_ever sr_htn_new sr_ra_ever sr_ra_new
> sr_osteoprs_ever sr_osteoprs_new sr_diabetes_ever sr_diabetes_new sr_lung_dis
> _ever ///
> sr_lung_dis_new sr_dementia_ever sr_dementia_new sr_depr_pqq1 sr_depr_pqq2 sr_
> anx_gad1 sr_anx_gad2 sr_phq2_score sr_phq2_depressed sr_gad2_score sr_gad2_anx
> iety ///
> dem_3_cat dem_2_cat memory sr_numconditions1 fall_last_month adl_eat_diff adl_
> eat_help adl_eat_not_done adl_bath_diff adl_bath_help adl_bath_not_done adl_to
> il_diff ///
> adl_toil_help adl_toil_not_done adl_dres_diff adl_dres_help adl_dres_not_done
> iadl_laun_help iadl_laun_diff iadl_laun_not_done iadl_shop_help iadl_shop_diff
> ///
> iadl_shop_not_done iadl_meal_help iadl_meal_diff iadl_meal_not_done iadl_bank_
> help iadl_bank_diff iadl_bank_not_done iadl_meds_help iadl_meds_diff iadl_meds
> _not_done ///

```

```

> ind_meds_diff ind_meds_mistake ind_meds_problem reg_doc have reg_doc_seen reg
> _doc_homevisit sr_hosp_ind sr_hosp_stays prim_helper_opid prim_helper_cat ///
> _tot_hrsmonth_help_i n_helpers tot_hrswk_help_i n_family_helpers ind_family_he
> lper_n_paid_helpers ind_paid_helper ind_rc_staff num_helpers_cat tot_hrsmonth_
> paid_i ///
> _tot_hrswk_paid_i ind no_helpers metro_ind no_acp formal_acp informal_acp acp
> old_an2011wgt trfinwgt tr2011wgt serarmfor dresslf dresdif ntlvrmslp eatdev in
> come_quart ///
> _placedied hospice1 hospice2 hospicelm1 gripscl walksec1 walkhndr1 gripsc2 wal
> ksec2 walkhndr2 origwksc nhatswksc nhatsgrav nhatsgrb lst10pnds trytolose evrg
> owalk vigoractv ///
> _unwgtloss lowphysact lowenergy oftcheer oftbores oftfol oftupset lifemean con
> fident giveup livingsit selfdeter findway adjchg agefeel mealskip nopayhous no
> payutil ///
> _nopaymed mealskipnum sr_skincancer_had sr_breastcancer_had sr_prostatecancer_
> had sr_bladdercancer_had sr_crvovrnutrcancer_had sr_coloncancer_had sr_kidney
> cancer_had ///
> _sr_othercancer_had howgetdoc ind_imp_visit ind_imp_relig ind_imp_club ind_imp
> _goout device_out device_insd device_bed device_eat device_bath device_toil de
> vice_dres ///
> _device_any drives avoids ind_transp_disadv get_places1 get_places2 get_places
> 3 get_places4 get_places5 get_places6 get_places7 married marital_sep marital_
> div ///
> _marital_wid marital_nev marriedpartnered marital_sd resspouse hhm agecat attr
> elig_impelig visitfrfam impvisit attclub impclub_vigact religvimp smokedever
> ///
> _smoke_start_age smoke_stop_age smokesnow numcigsever numcigsnow ind_pain wgt_
> curr_height_ft height_in bmi moved community_dwelling nhres rcfres res_care sp
> _status ///
> _prob_dem adl_insd_help adl_insd_diff adl_insd_not_done adl_bed_help adl_bed_diff
> _adl_bed_not_done ivw_day ivw_month ivw_year adl_index adl_independent adl_imp
> _air ///
> _iadl_index iadl_independent iadl_impair adl_diff_index adl_diff_ind iadl_diff
> _index iadl_diff_ind ivw_date meals_wheels noone_talk restrnt_takeout nhats_de
> _ath_day ///
> _nhats_death_date nhats_death_month nhats_death_year eligible_nsoc completed_n
> _soc_total_caregiver_comp total_caregiver_elig adverse adverse_laun adverse_sho
> _p ///
> _adverse_meal adverse_bank adverse_eat adverse_bath adverse_toil adverse_dres
> _adverse_out adverse_insd adverse_bed lim_fav lim_fav_yr cohesion_knowwell cohe
> _sion_willing ///
> _cohesion_peop cohesion home_disorder_insd home_disorder_outsd home_disorder_a
> _rea home_disorder_clutter creditdebt medcreditdebt medbillsovertime medpaynotc
> _ash finhlpfam ///
> _fingftfam govtasst ownhome rent mortgagepaidoff paysmortgage mortpaymt timein
> _mort owedonmort homevalue rentpaid section8 n_social_network division region n
> _ortheast ///
> _midwest_south_west n_children stairs_ind livesalone_ind ind_kids eat_jenny to
> _il_jenny insd_jenny bed_jenny dres_jenny bath_jenny adlcount_jenny laun_jenny
> _meds_jenny ///
> _shop_jenny meal_jenny bank_jenny iadlcount_jenny device_mobility spouse_help
> _ind_tot_spousehrs daughter_help_ind tot_daughterhrs son_help_ind tot_sonhrs ot
> _herfamily_help_ind ///
> _tot_otherfamilyhrs paid_help_ind tot_paidhrs otherinformal_help_ind tot_other
> _informalhrs any_paid_by_sp any_paid_by_gov any_paid_by_ins any_paid_by_unk any
> _paid_by_oth ///
> _any_paid_by_gov_cat_1 any_paid_by_gov_cat_2 any_paid_by_gov_cat_3 any_paid_by
> _gov_cat_oth any_paid_by_gov_cat_unknown any_paid_by_medicare any_paid_by_medi
> _caid any_paid_by_state ///
> _ind_gt20hrs_wk_inf ind_gt20hrs_wk_paid anfinwgt an2011wgt death_* died_12 die
> _d_24*_lml qoc_lml_e

```

```
1797
1798
1799saveold "E:\nhats\data\NHATS cleaned\sp_round_1_7", replace version(12)
      (saving in Stata 12 format, which can be read by Stata 11 or 12)
      file E:\nhats\data\NHATS cleaned\sp_round_1_7.dta saved

1800
1801gen time2d=mofd(nhats_death_date)-mofd(ivw_date)
      (39,184 missing values generated)

1802
1803foreach x in 12 24 {
      2.      gen nhats_died_`x'`=time2d<=`x' if !lml
      3.      label var nhats_died_`x' "Died w/in `x' months (from NHATS)"
      4.
1804}
      (2,671 missing values generated)
      (2,671 missing values generated)

1805
1806capture log close
```