



```

-----
      name: <unnamed>
      log:  E:\nhats\nhats_code\NHATS data setup\logs\6_nhats_cleaning_17_Apr_2
> 019.smcl
      log type: text
      opened on: 17 Apr 2019, 15:38:18

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)dmetnomet 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 "${work}"
    E:\nhats\data\NHATS working data
31.
32. use round_1_$w_clean_helper_added.dta
33. merge 1:1 spid wave using `metro', keep(match master) nogen

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

34.
35.
36. // 3/21/2019--Adding LM questions from LML interview section, P01 Aldridge
37.
38. gen qoc_lml_e=.
    (47,778 missing values generated)
39. replace qoc_lml_e=1 if ratecare==1
    (1,317 real changes made)
40. replace qoc_lml_e=0 if inrange(ratecare,2,5)
    (1,259 real changes made)
41. note qoc_lml_e: ratecare (1=1)
42. note qoc_lml_e: Quality of Care rated as excellent. Coming from LM11 (Waves 2+
    > )
43. note qoc_lml_e: Located in NHATS Setup, under Part 7.
44. note qoc_lml_e: Updated: 4/16/19-MH Created: 3/21/19-MH
45. /*
    > gen qoc_lml=ratecare
    > replace qoc_lml=. if inlist(ratecare,-8,-7,-1,6)
    > */
46.

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47. 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)

48. note unmet_pain_lml: pain painhlp painhlpam

49. note unmet_pain_lml: Unmet needs for pain management. Coming from LM1, LM1A, L
> M1B (Waves 2+)

50. note unmet_pain_lml: Located in NHATS Setup, under Part 7.

51. note unmet_pain_lml: Updated: 4/16/19-MH Created: 3/21/19-MH

52.

53. note unmet_bre_lml: bre brehlp brehlpam

54. note unmet_bre_lml: Unmet needs for dyspnea (breathing) management. Coming fro
> m LM2, LM2A, LM2B (Waves 2+)

55. note unmet_bre_lml: Located in NHATS Setup, under Part 7.

56. note unmet_bre_lml: Updated: 4/16/19-MH Created: 3/21/19-MH

57.

58. note unmet_sad_lml: sad sadhlp sadhlpam

59. note unmet_sad_lml: Unmet needs for sadness (anxiety) management. Coming from
> LM3, LM3A, LM3B (Waves 2+)

60. note unmet_sad_lml: Located in NHATS Setup, under Part 7.

61. note unmet_sad_lml: Updated: 4/16/19-MH Created: 3/21/19-MH

62.

63. 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)

64.

65. note respect_lml: respect

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66. note respect_lml: Not always treated with respect. Coming from LM7 (Waves 2+)
67. note respect_lml: Located in NHATS Setup, under Part 7.
68. note respect_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
69.
70. note informed_lml: informed
71. note informed_lml: Family not always informed for individuals condition. Comin
  > g from LM8 (Waves 2+)
72. note informed_lml: Located in NHATS Setup, under Part 7.
73. note informed_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
74.
75. 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)
76.
77. note caredecis_lml: caredecis
78. note caredecis_lml: Inadequate input about care decisions. Coming from LM4 (Wa
  > ves 2+)
79. note caredecis_lml: Located in NHATS Setup, under Part 7.
80. note caredecis_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
81.
82. note carenowan_lml: carenowan
83. note carenowan_lml: Care not consistent with goals. Unwanted Care. Coming from
  > LM5 (Waves 2+)
84. note carenowan_lml: Located in NHATS Setup, under Part 7.
85. note carenowan_lml: Updated: 4/16/19-MH Created: 3/21/19-MH
86.
87.
88. //1/28/2019-Advance Care Planning based off of Ornstein instructions
89.
90. gen no_acp=0
91. replace no_acp=1 if inlist(eoltalk, 2, -8, -7) & inlist(poweratty, 2, -7, -8)
  > & inlist(livngwill, 2, -7, -8)
    (580 real changes made)
92. 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)

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93. note no_acp: Only in Rd2. no_acp=1 if eoltalk=2,-7,-8 & poweratty=2,-7,-8 & li
> vingwill=2,-7,-8.

94. note no_acp: No Advance Care Planning based off of talk about EOL care, legal
> arrangements, and living will all being no.

95. note no_acp: Located in NHATS Setup, under Part 7.

96. note no_acp: Created: 1/28/19-MH

97.
98. gen formal_acp=0

99. replace formal_acp=1 if inlist(eoltalk, 2, -8, -7) & (poweratty==1 | livngwill
> ==1)
(279 real changes made)

100 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)

101 note formal_acp: Only in Rd2. formal_acp=1 if eoltalk=2,-7,-8 & (poweratty=1 |
> livingwill=1)

102 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.

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

104 note formal_acp: Created: 1/28/19-MH

105
106 gen informal_acp=0

107 replace informal_acp=1 if eoltalk==1 & inlist(poweratty, 2, -7, -8) & inlist(1
> ivngwill, 2, -7, -8)
(243 real changes made)

108 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)

109 note informal_acp: Only in Rd2. informal_acp=1 if eoltalk=1 & poweratty=2,-7,-
> 8 & livingwill=2,-7,-8

110 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.

111 note informal_acp: Located in NHATS Setup, under Part 7.

112 note informal_acp: Created: 1/28/19-MH

113
114 gen acp=0

115 replace acp=1 if eoltalk==1 & (poweratty==1 | livngwill==1)
(913 real changes made)

```

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116 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)

117 note formal_acp: Only in Rd2. formal_acp=1 if eoltalk=2,-7,-8 & (poweratty=1 |
    > livingwill=1)

118 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.

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

120 note formal_acp: Created: 1/28/19-MH

121
122
123 label var no_acp "No Advance care planning, 1=yes"

124 label var formal_acp "Formal Advance care planning, 1=yes"

125 label var informal_acp "Informal Advance care planning, 1=yes"

126 label var acp "Advance care planning (Formal & Informal), 1=yes"

127 label define acp 0 "No" 1 "Yes"

128 foreach x in no_acp formal_acp informal_acp acp {
    2. label values `x' acp
    3. }

129
130
131 foreach x in no_acp formal_acp informal_acp acp {
    2. tab `x' if wave==2 , m
    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	

```

132
133 // 8/10/2018 Add in 2011 weight for rd 5,6
134 rename an2011wgt0 an2011wgt

135 label var an2011wgt "2011 weights"

136 note an2011wgt: an2011wgt0

137 note an2011wgt: Analytic Weight for 2011 cohort, for rounds 5+

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

139 note formal_acp: Created: 8/10/18-MH

140
141
142 rename trfinwgt0 trfinwgt

143 rename tr2011wgt0 tr2011wgt

144
145 //Add in 7/3/18
146
147 foreach w in 1 5{
148     2. replace serarmfor=1 if serarmfor==1 & wave==`w'
149     3. replace serarmfor=0 if serarmfor==2 & wave==`w'
150     4. replace serarmfor=. if serarmfor==7 & wave==`w'
151     5. replace serarmfor=. if serarmfor==8 & wave==`w'
152     6. }
153 (0 real changes made)
154 (5,740 real changes made)
155 (7 real changes made, 7 to missing)
156 (74 real changes made, 74 to missing)
157 (0 real changes made)
158 (5,661 real changes made)
159 (4 real changes made, 4 to missing)
160 (185 real changes made, 185 to missing)

148 label var serarmfor "Served in Armed Forces"

149 sort spid wave

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

151 notes drop serarmfor
152 (1 note dropped)

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152 note serarmfor: Asked in rounds 1,5. Used serarmfor to find.
153 note serarmfor: Served in Arm Forces variable, carried previous value to new w
    > ave.
154 note formal_acp: Located in NHATS Setup, under Part 7.
155 note formal_acp: Created: 7/3/18-MH
156
157
158 //Add in 4/6/18
159 label var dresslf "Often you Dress Yourself"
160
161 label var dresdif "Difficulty when using Special Items by Self"
162
163 label var ntlvrmslp "Often had to Stay in Bed"
164
165 label var eatdev "Ever use Adapted Utensils"
166
167
168 ///// 4/2/2018--Adding in income quartile
    > sort wave
169 forvalues w=1/$w {
    2. xtile income_quart`w'=aveincome [aw=anfinwgt0] if wave==`w', nq(4)
    3. }
170 egen income_quart=rowmax(income_quart*)
    (3517 missing values generated)
171
172 forvalues w=1/$w{
    2. drop income_quart`w'
    3. }
173
174 note income_quart: Use aveincome to create variable.
175 note income_quart: Create an income quartile measure. Weighted.
176 note income_quart: Located in NHATS Setup, under Part 7.
177 note income_quart: Created: 4/2/18-MH
178
179 label var income_quart "Quartile of Income"
180 label define income_quart 1 "Bottom" 2 "Second" 3 "Third" 4 "Top"
181 label values income_quart income_quart
182
183 ///// 3/26/18 --Adding in Hospice and place died variables.
    >
184 label var placedied "Place of Death"

```



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

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

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

188 note placedied: Place died variable from LML interview.

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

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

191
192 replace hospice2=. if inlist(hospice2,-1,-8)
    (39,325 real changes made, 39,325 to missing)

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

194 note hospice2: Hospice at other place, list.

195 note hospice2: Located in NHATS Setup, under Part 7.

196 note hospice2: Created: 3/26/18-MH

197
198 rename hospcelml hospicelml

199 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)

200
201 note hospicel: hospicel variable (0=2) (.-=-1,-8)

202 note hospicel: Hospice at Nursing Home.

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

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

205
206 note hospicelml: hospicelml variable (0=2) (.-=-1,-8)

207 note hospicelml: Hospice at other place, list.

208 note hospicelml: Located in NHATS Setup, under Part 7.

209 note hospicelml: Created: 3/26/18-MH

210
211 label var hospicel "Hopsice at Nursing Home"

212 label var hospice2 "Hospice Other Place"

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213 label var hospicelml "Hospice Care in Last Month"

214
215
216 ///// 3/14/18 --Adding in Frailty underlying series
217 //activities done twice (grip test, walk test..)
218
219 forvalues i=1/2{
220   2. capture drop gripsec`i'
221   3. rename grp`i'rdng gripsec`i'
222   4. rename wlk`i'secs walksec`i'
223   5. rename wlk`i'hndr walkhndr`i'
224   6.
225   7. replace gripsec`i'=. if inlist(gripsec`i', -1, -9, -7, -8)
226   8. replace walksec`i'=. if inlist(walksec`i', -1, -9, -7, -8)
227   9. replace walkhndr`i'=. if inlist(walkhndr`i', -1, -9, -7, -8)
228   10. }
229   (12,833 real changes made, 12,833 to missing)
230   (12,985 real changes made, 12,985 to missing)
231   (13,083 real changes made, 13,083 to missing)
232   (12,915 real changes made, 12,915 to missing)
233   (13,044 real changes made, 13,044 to missing)
234   (13,142 real changes made, 13,142 to missing)

235
236 label var gripsec1 "GRP1 Display Reading"

237 label var gripsec2 "GRP2 Display Reading"

238 label var walksec1 "Secs Hld Walking Course1"

239 label var walksec2 "Secs Hld Walking Course2"

240 label var walkhndr1 "Hnrds Hld Walking Course1"

241 label var walkhndr2 "Hnrds Hld Walking Course2"

242
243 foreach y in gripsec walksec walkhndr{
244   2. foreach x in 1 2{
245     3. note `y'`x': `y'`x' (.= -1, -7, -8, -9)
246     4.
247   230 if "`y'"=="gripsec"{
248     5. note gripsec`x': Grip Strength `x' Reading
249     6. }
250     7. else if "`y'"=="walksec"{
251     8. note walksec`x': Walking Course Completion in Seconds place `x' Reading
252     9. }
253     10. else if "`y'"=="walkhndr"{
254     11. note walkhndr`x': Walking Course Completion Hundredths place `x' Reading
255     12. }
256     13. note `y'`x': Located in NHATS Setup, under Part 7.
257     14. note `y'`x': Created: 3/14/18-MH
258     15. }
259     16. }

260
261
262
263 foreach x in origwksc nhatswksc nhatsgrav nhatsgrb{
264   2. capture drop `x'
265   3. gen `x'=.
266   4. replace `x'=d`x' if inlist(d`x', 0, 1, 2, 3, 4)
267   5. }
268   (47,778 missing values generated)
269   (39,737 real changes made)
270   (47,778 missing values generated)
271   (39,737 real changes made)
272   (47,778 missing values generated)
273   (39,619 real changes made)
274   (47,778 missing values generated)
275   (39,619 real changes made)

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234
235 label var origwksc "Original Walk Score"

236 label var nhatswksc "NHATS Walk Score"

237 label var nhatsgrav "NHATS Avg. Grip Score"

238 label var nhatsgrb "NHATS Best Grip Score"

239
240 foreach x in origwksc nhatswksc nhatsgrav nhatsgrb{
    2. note `x': d`x' (.-1,-9)
    3.
241 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.
242 }

243
244 local a lstl0pnds trytolose

245 local b evrgowalk vigoractv

246
247 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)

248
249
250 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)

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251
252 note lst10pnds: Lost 10 Pounds in Last Year (Y/N)
253 note trytolose: Were you trying to lose Weight (Y/N)
254 note evrgowalk: Ever go walking for exercise (Y/N)
255 note vigoractv: Ever Vigorous Activities (Y/N)
256
257 foreach x in `a' `b'{
    2. note `x': Located in NHATS Setup, under Part 7.
    3. note `x': Created: 04/05/18-MH
    4. }
258
259 label var lst10pnds "Lost 10 Pounds in Last Yr."
260 label var trytolose "Were You Trying to Lose Weight"
261 label var evrgowalk "Ever Go Walking for Exercise"
262 label var vigoractv "Ever Vigorous Activities"
263
264 capture drop unwgtloss lowphysact
265 gen unwgtloss=.
    (47,778 missing values generated)
266 gen lowphysact=.
    (47,778 missing values generated)
267 replace unwgtloss=0 if lst10pnds==0 | trytolose==1
    (34,474 real changes made)
268 replace unwgtloss=1 if lst10pnds==1 & trytolose==0
    (7,066 real changes made)
269 replace lowphysact=0 if evrgowalk==1 | vigoractv==1
    (27,868 real changes made)
270 replace lowphysact=1 if evrgowalk==0 & vigoractv==0
    (14,227 real changes made)
271
272 label var unwgtloss "Unintentional Weight Loss"
273 label var lowphysact "Low Physical Activity"
274
275 note unwgtloss: Created from lst10pnds and trytolose, if lst10pnds is yes and
    > trytolose is no.
276 note unwgtloss: Unintentional Weight Loss
277 note lowphysact: Created frin evrgowalk and vigoractv, if evrgowalk is no and
    > vigoractv is no.
278 note lowphysact: Low Physical Activity

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279
280 replace lowenergy=. if inlist(lowenergy, -9, -8, -7, -1)
    (5,770 real changes made, 5,770 to missing)

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

282 label var lowenergy "Low Energy in Last Month"

283
284 note lowenergy: lowenergy is (.-9,-8,-7,-1) (0=2) (1=1)

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

286
287 foreach x in unwgtloss lowphysact lowenergy{
    2. note `x': Located in NHATS Setup, under Part 7.
    3. note `x': Created: 04/05/18-MH
    4. }

288
289 ///// 3/7/18 --Adding in Well-Being questions
    > /// Inapplicable is people who have no interview, had a proxy, or died. turned
    > to missing.
    >
290 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)

291 drop wbq44

292
293 note wbq11: Often

294
295 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)

296
297
298 label var wbq11 "Often you Feel Cheerful"

299 rename wbq11 oftcheer

300 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"

301 label values oftcheer oftcheer

302 label var wbq12 "Often you Feel Bored"

303 rename wbq12 oftbored

304 label values oftbored oftcheer

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

306 rename wbq13 oftfol

307 label values oftfol oftcheer

308 label var wbq14 "Often you Feel Upset"

309 rename wbq14 oftupset

310 label values oftupset oftcheer

311
312 note drop oftcheer in 1
    (1 note dropped)

```

313 note renumber oftcheer

314

```
315 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)
```

316

317

318 label var wbq21 "Life has Meaning Purpose"

319 rename wbq21 lifemean

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

321 label values lifemean lifemean

322 label var wbq22 "Feels Confident"

323 rename wbq22 confident

324 label values confident lifemean

325 label var wbq23 "Gave up Improving Life"

```

326 rename wbq23 giveup
327 label values giveup lifemean
328 label var wbq24 "Likes Living Situation"
329 rename wbq24 livingsit
330 label values livingsit lifemean
331
332
333 forvalues i=1/3 {
334     2. replace wbq4`i'=1 if agrwstmt`i'==3
335     3. replace wbq4`i'=2 if agrwstmt`i'==2
336     4. replace wbq4`i'=3 if agrwstmt`i'==1
337     5. replace wbq4`i'=4 if (agrwstmt`i'==7 | agrwstmt`i'==8)
338     6. note wbq4`i': truestme`i' (1=3) (2=2) (3=1) (4=-7,-8)
339     7. if `i'==1{
340         8. note wbq4`i': Other people determine most of what I can and cannot do (wb)
341         9. }
342     10. else if `i'==2{
343         11. note wbq4`i': When I really want to do something, I usually find a way to d
344         > o it. (wb)
345         12. }
346     13. else if `i'==3{
347         14. note wbq4`i': I have an easy time adjusting to change. (wb)
348         15. }
349     16. note wbq4`i': Located in NHATS Setup, under Part 7.
350     17. note wbq4`i': Created: 04/05/18-MH
351     18. }
352     (26,335 real changes made)
353     (7,963 real changes made)
354     (4,109 real changes made)
355     (804 real changes made)
356     (562 real changes made)
357     (3,679 real changes made)
358     (34,316 real changes made)
359     (654 real changes made)
360     (4,523 real changes made)
361     (13,508 real changes made)
362     (20,398 real changes made)
363     (782 real changes made)
364
365
366 label var wbq41 "Self Determination"
367 rename wbq41 selfdeter
368 label values selfdeter lifemean
369 label var wbq42 "Want-Finds Way to Do"
370 rename wbq42 findway
371 label values findway lifemean
372 label var wbq43 "Easily Adjust to Change"

```



```

343 rename wbq43 adjchg
344 label values adjchg lifemean
345
346
347 capture drop agefeel
348 egen agefeel= rowmax(ageyofeel)
349 replace agefeel=. if agefeel== -9 | agefeel== -8 | agefeel== -7 | agefeel== -1
    (10,818 real changes made, 10,818 to missing)
350 label var agefeel "Age you Feel Most Times"
351
352 note agefeel: From ageyofeel
353 note agefeel: Age you feel most of the time
354 note agefeel: Located in NHATS Setup, under Part 7.
355 note agefeel: Created: 04/05/18-MH
356
357 ///// 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
358
359 local ew mealskip1 nopayhous nopayutil nopaymed
360
361 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)

362

363

364 label var mealskip1 "No Money, Meals Skipped"

365 label var nopayhous "No Money for Housing"

366 label var nopayutil "No Money for Utilities"

367 label var nopaymed "No Money for Medical"

368

369 label define mealskip 0 "No" 1 "Yes"

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

[illegible]

[illegible]

```

407
408 local r=1

409 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)

410
411 label var sr_skincancer_had "Sensitive: Skin Cancer"

412 label var sr_breastcancer_had "Sensitive: Breast Cancer"

```

```

413 label var sr_prostatecancer_had "Sensitive: Prostate Cancer"
414 label var sr_bladdercancer_had "Sensitive: Bladder Cancer"
415 label var sr_crvovrnutrncancer_had "Sensitive: Cervical/Ovarian/Uterine Cancer
> "
416 label var sr_coloncancer_had "Sensitive: Colon Cancer"
417 label var sr_kidneycancer_had "Sensitive: Kidney Cancer"
418 label var sr_othercancer_had "Sensitive: Other Cancer"
419
420 //recoding all refuse, dk, na, as missing
421 qui destring *, replace
422 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)
(37,811 real changes made, 37,811 to missing)
(6,538 real changes made, 6,538 to missing)
(7,037 real changes made, 7,037 to missing)
(7,798 real changes made, 7,798 to missing)
(38,117 real changes made, 38,117 to missing)

(39,653 real changes made, 39,653 to missing)
(42,829 real changes made, 42,829 to missing)
(44,624 real changes made, 44,624 to missing)
(46,688 real changes made, 46,688 to missing)
(47,020 real changes made, 47,020 to missing)
(5,684 real changes made, 5,684 to missing)
(5,788 real changes made, 5,788 to missing)
(5,967 real changes made, 5,967 to missing)
(41,938 real changes made, 41,938 to missing)
(5,847 real changes made, 5,847 to missing)
(6,279 real changes made, 6,279 to missing)
(44,423 real changes made, 44,423 to missing)
(6,030 real changes made, 6,030 to missing)
(5,994 real changes made, 5,994 to missing)
(6,095 real changes made, 6,095 to missing)
(5,665 real changes made, 5,665 to missing)
(5,669 real changes made, 5,669 to missing)
(5,695 real changes made, 5,695 to missing)
(24,737 real changes made, 24,737 to missing)
(5,826 real changes made, 5,826 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(16,720 real changes made, 16,720 to missing)
(5,674 real changes made, 5,674 to missing)
(38,827 real changes made, 38,827 to missing)
(5,699 real changes made, 5,699 to missing)
(34,515 real changes made, 34,515 to missing)
(5,679 real changes made, 5,679 to missing)
(31,818 real changes made, 31,818 to missing)
(0 real changes made)
(27,883 real changes made, 27,883 to missing)
(5,707 real changes made, 5,707 to missing)
(32,974 real changes made, 32,974 to missing)
(6,245 real changes made, 6,245 to missing)
(29,629 real changes made, 29,629 to missing)
(6,358 real changes made, 6,358 to missing)
(32,786 real changes made, 32,786 to missing)
(5,945 real changes made, 5,945 to missing)
(32,319 real changes made, 32,319 to missing)
(6,152 real changes made, 6,152 to missing)
(21,518 real changes made, 21,518 to missing)
(6,212 real changes made, 6,212 to missing)
(37,102 real changes made, 37,102 to missing)
(5,935 real changes made, 5,935 to missing)
(34,974 real changes made, 34,974 to missing)
(42,572 real changes made, 42,572 to missing)
(47,625 real changes made, 47,625 to missing)
(45,475 real changes made, 45,475 to missing)
(45,474 real changes made, 45,474 to missing)
(45,489 real changes made, 45,489 to missing)
(45,476 real changes made, 45,476 to missing)
(45,491 real changes made, 45,491 to missing)
(45,485 real changes made, 45,485 to missing)
(45,496 real changes made, 45,496 to missing)
(45,474 real changes made, 45,474 to missing)
(44,885 real changes made, 44,885 to missing)
(44,868 real changes made, 44,868 to missing)
(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)

[illegible]

(8,445 real changes made, 8,445 to missing)
(9,591 real changes made, 9,591 to missing)
(9,591 real changes made, 9,591 to missing)
(9,591 real changes made, 9,591 to missing)
(9,591 real changes made, 9,591 to missing)
(9,591 real changes made, 9,591 to missing)
(9,591 real changes made, 9,591 to missing)
(9,591 real changes made, 9,591 to missing)
(9,591 real changes made, 9,591 to missing)
(9,591 real changes made, 9,591 to missing)
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(5,368 real changes made, 5,368 to missing)
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(647 real changes made, 647 to missing)
(5,368 real changes made, 5,368 to missing)
(5,368 real changes made, 5,368 to missing)
(5,368 real changes made, 5,368 to missing)
(5,369 real changes made, 5,369 to missing)
(5,368 real changes made, 5,368 to missing)
(7,425 real changes made, 7,425 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(34,518 real changes made, 34,518 to missing)
(39,421 real changes made, 39,421 to missing)
(6,320 real changes made, 6,320 to missing)
(5,004 real changes made, 5,004 to missing)
(33,037 real changes made, 33,037 to missing)
(516 real changes made, 516 to missing)
(4,734 real changes made, 4,734 to missing)
(33,424 real changes made, 33,424 to missing)
(0 real changes made)
(38,725 real changes made, 38,725 to missing)
(38,829 real changes made, 38,829 to missing)
(0 real changes made)
(0 real changes made)
(37,819 real changes made, 37,819 to missing)
(38,862 real changes made, 38,862 to missing)
(39,211 real changes made, 39,211 to missing)
(39,239 real changes made, 39,239 to missing)
(39,107 real changes made, 39,107 to missing)
(39,499 real changes made, 39,499 to missing)
(37,768 real changes made, 37,768 to missing)
(36,898 real changes made, 36,898 to missing)
(37,024 real changes made, 37,024 to missing)
(36,862 real changes made, 36,862 to missing)
(39,410 real changes made, 39,410 to missing)
(39,019 real changes made, 39,019 to missing)
(37,130 real changes made, 37,130 to missing)
(37,823 real changes made, 37,823 to missing)
(37,958 real changes made, 37,958 to missing)
(37,090 real changes made, 37,090 to missing)
(38,203 real changes made, 38,203 to missing)
(38,351 real changes made, 38,351 to missing)
(37,199 real changes made, 37,199 to missing)
(38,298 real changes made, 38,298 to missing)
(38,672 real changes made, 38,672 to missing)
(36,923 real changes made, 36,923 to missing)
(36,955 real changes made, 36,955 to missing)
(36,894 real changes made, 36,894 to missing)
(36,887 real changes made, 36,887 to missing)
(36,883 real changes made, 36,883 to missing)

(36,998 real changes made, 36,998 to missing)
(37,982 real changes made, 37,982 to missing)
(37,446 real changes made, 37,446 to missing)
(38,623 real changes made, 38,623 to missing)
(36,890 real changes made, 36,890 to missing)
(8,975 real changes made, 8,975 to missing)
(25,610 real changes made, 25,610 to missing)
(17,548 real changes made, 17,548 to missing)
(23,125 real changes made, 23,125 to missing)
(5,016 real changes made, 5,016 to missing)
(35,509 real changes made, 35,509 to missing)
(35,561 real changes made, 35,561 to missing)
(34,743 real changes made, 34,743 to missing)
(34,747 real changes made, 34,747 to missing)
(37,525 real changes made, 37,525 to missing)
(37,524 real changes made, 37,524 to missing)
(38,762 real changes made, 38,762 to missing)
(39,457 real changes made, 39,457 to missing)
(39,231 real changes made, 39,231 to missing)
(38,886 real changes made, 38,886 to missing)
(6,282 real changes made, 6,282 to missing)
(6,769 real changes made, 6,769 to missing)
(11,289 real changes made, 11,289 to missing)
(37,129 real changes made, 37,129 to missing)
(6,945 real changes made, 6,945 to missing)
(5,716 real changes made, 5,716 to missing)
(33,297 real changes made, 33,297 to missing)
(0 real changes made)
(39,200 real changes made, 39,200 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(5,082 real changes made, 5,082 to missing)
(5,104 real changes made, 5,104 to missing)
(5,111 real changes made, 5,111 to missing)
(2,885 real changes made, 2,885 to missing)
(38,565 real changes made, 38,565 to missing)
(38,565 real changes made, 38,565 to missing)
(38,565 real changes made, 38,565 to missing)
(38,565 real changes made, 38,565 to missing)
(38,565 real changes made, 38,565 to missing)
(38,565 real changes made, 38,565 to missing)
(7,694 real changes made, 7,694 to missing)
(1,250 real changes made, 1,250 to missing)
(4,727 real changes made, 4,727 to missing)
(2 real changes made, 2 to missing)
(4,186 real changes made, 4,186 to missing)
(1,212 real changes made, 1,212 to missing)
(1,212 real changes made, 1,212 to missing)
(1,212 real changes made, 1,212 to missing)
(26,621 real changes made, 26,621 to missing)
(4,152 real changes made, 4,152 to missing)
(6,784 real changes made, 6,784 to missing)
(7,783 real changes made, 7,783 to missing)
(4,319 real changes made, 4,319 to missing)
(4,809 real changes made, 4,809 to missing)
(7,675 real changes made, 7,675 to missing)
(7,740 real changes made, 7,740 to missing)
(0 real changes made)
(766 real changes made, 766 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(6,290 real changes made, 6,290 to missing)
(6,290 real changes made, 6,290 to missing)
(6,290 real changes made, 6,290 to missing)
(6,290 real changes made, 6,290 to missing)
(6,290 real changes made, 6,290 to missing)
(6,290 real changes made, 6,290 to missing)
(6,290 real changes made, 6,290 to missing)
(4,513 real changes made, 4,513 to missing)
(4,514 real changes made, 4,514 to missing)

(4,476 real changes made, 4,476 to missing)
(8,072 real changes made, 8,072 to missing)
(725 real changes made, 725 to missing)
(1,006 real changes made, 1,006 to missing)
(35,583 real changes made, 35,583 to missing)
(34,744 real changes made, 34,744 to missing)
(34,768 real changes made, 34,768 to missing)
(34,744 real changes made, 34,744 to missing)
(1,569 real changes made, 1,569 to missing)
(33,135 real changes made, 33,135 to missing)
(31,651 real changes made, 31,651 to missing)
(31,687 real changes made, 31,687 to missing)
(31,651 real changes made, 31,651 to missing)
(1,616 real changes made, 1,616 to missing)
(28,416 real changes made, 28,416 to missing)
(28,396 real changes made, 28,396 to missing)
(28,396 real changes made, 28,396 to missing)
(28,468 real changes made, 28,468 to missing)
(28,468 real changes made, 28,468 to missing)
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(28,468 real changes made, 28,468 to missing)
(28,468 real changes made, 28,468 to missing)
(28,468 real changes made, 28,468 to missing)
(29,958 real changes made, 29,958 to missing)
(1,480 real changes made, 1,480 to missing)
(37,080 real changes made, 37,080 to missing)
(37,060 real changes made, 37,060 to missing)
(37,060 real changes made, 37,060 to missing)
(34,559 real changes made, 34,559 to missing)
(34,559 real changes made, 34,559 to missing)
(34,559 real changes made, 34,559 to missing)
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(34,559 real changes made, 34,559 to missing)
(34,559 real changes made, 34,559 to missing)
(34,559 real changes made, 34,559 to missing)
(22,163 real changes made, 22,163 to missing)
(2,092 real changes made, 2,092 to missing)
(33,534 real changes made, 33,534 to missing)
(33,498 real changes made, 33,498 to missing)
(33,498 real changes made, 33,498 to missing)
(33,717 real changes made, 33,717 to missing)
(33,717 real changes made, 33,717 to missing)
(33,717 real changes made, 33,717 to missing)
(33,717 real changes made, 33,717 to missing)
(33,717 real changes made, 33,717 to missing)
(33,717 real changes made, 33,717 to missing)
(33,717 real changes made, 33,717 to missing)
(20,281 real changes made, 20,281 to missing)
(2,481 real changes made, 2,481 to missing)
(29,439 real changes made, 29,439 to missing)
(29,416 real changes made, 29,416 to missing)
(29,416 real changes made, 29,416 to missing)
(30,008 real changes made, 30,008 to missing)
(30,008 real changes made, 30,008 to missing)
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(30,008 real changes made, 30,008 to missing)
(30,008 real changes made, 30,008 to missing)
(30,008 real changes made, 30,008 to missing)
(30,008 real changes made, 30,008 to missing)
(18,399 real changes made, 18,399 to missing)
(0 real changes made)
(14,306 real changes made, 14,306 to missing)
(15,926 real changes made, 15,926 to missing)
(17,311 real changes made, 17,311 to missing)
(17,311 real changes made, 17,311 to missing)
(44,137 real changes made, 44,137 to missing)
(10,728 real changes made, 10,728 to missing)
(12,214 real changes made, 12,214 to missing)
(14,047 real changes made, 14,047 to missing)
(14,047 real changes made, 14,047 to missing)
(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)
(11,381 real changes made, 11,381 to missing)
(11,381 real changes made, 11,381 to missing)
(43,280 real changes made, 43,280 to missing)
(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)
(19,575 real changes made, 19,575 to missing)
(43,957 real changes made, 43,957 to missing)
(0 real changes made)
(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)
(10,866 real changes made, 10,866 to missing)
(12,036 real changes made, 12,036 to missing)
(14,421 real changes made, 14,421 to missing)
(14,421 real changes made, 14,421 to missing)
(43,549 real changes made, 43,549 to missing)
(0 real changes made)
(10,866 real changes made, 10,866 to missing)
(10,866 real changes made, 10,866 to missing)
(13,284 real changes made, 13,284 to missing)
(13,284 real changes made, 13,284 to missing)
(43,721 real changes made, 43,721 to missing)
(43,721 real changes made, 43,721 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(26,820 real changes made, 26,820 to missing)
(26,820 real changes made, 26,820 to missing)
(26,820 real changes made, 26,820 to missing)
(26,820 real changes made, 26,820 to missing)
(26,820 real changes made, 26,820 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(71 real changes made, 71 to missing)
(81 real changes made, 81 to missing)
(3 real changes made, 3 to missing)
(0 real changes made)
(43 real changes made, 43 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(2,168 real changes made, 2,168 to missing)
(0 real changes made)
(734 real changes made, 734 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(241 real changes made, 241 to missing)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(5,661 real changes made, 5,661 to missing)
(1,527 real changes made, 1,527 to missing)

[illegible]

423

424

```
425 //how do you get to the doctor?
```

```
426 gen howgetdoc=.
```

```
(47,778 missing values generated)
```

```
427 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)
```

```

428 note howgetdoc: hwgtredd# used to create variable
429 note howgetdoc: How did you get a ride to the doctor; transportation method
430 note howgetdoc: Located in NHATS Setup, under Part 7.
431 note howgetdoc: Created: 04/05/18-MH
432
433 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"
434 label values howgetdoc howgetdoc
435
436
437 //note 11/14/17--add importance of activities
438 gen ind_imp_visit=.
(47,778 missing values generated)
439 gen ind_imp_relig=.
(47,778 missing values generated)
440 gen ind_imp_club=.
(47,778 missing values generated)
441 gen ind_imp_goout=.
(47,778 missing values generated)
442
443 replace ind_imp_visit=inlist(impvstfam,1,2)
(47,778 real changes made)
444 replace ind_imp_relig=inlist(imprelser,1,2)
(47,778 real changes made)
445 replace ind_imp_club=inlist(impclub,1,2)
(47,778 real changes made)
446 replace ind_imp_goout=inlist(impouteny,1,2)
(47,778 real changes made)
447
448 note ind_imp_visit: impvstfam (1=1,2) (0=3)
449 note ind_imp_visit: Very/somewhat important to visit friends/family in person
450 note ind_imp_relig: imprelser (1=1,2) (0=3)
451 note ind_imp_relig: Very/somewhat important to attend religious services
452 note ind_imp_club: impclub (1=1,2) (0=3)
453 note ind_imp_club: Very/somewhat important to participate in clubs, classes, o
> r other organized activities.
454 note ind_imp_goout: impouteny (1=1,2) (0=3)

```



```

455 note ind_imp_goout: Very/somewhat important to go out for enjoyment

456
457 foreach x in visit relig club goout{
    2. note ind_imp_`x': Located in NHATS Setup, under Part 7.
    3. note ind_imp_`x': Created: 04/05/19-MH
    4. }

458
459 label var ind_imp_visit "Very/somewhat important to visit in person with frien
    > ds/family"

460 label var ind_imp_relig "Very/somewhat important to attend religious services"

461 label var ind_imp_club "Very/somewhat important to participate in clubs, class
    > es, etc."

462 label var ind_imp_goout "Very/somewhat important to go out for enjoyment"

463
464
465 foreach x in out insd bed eat bath toil dres {
    2. gen device_`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)
(47,778 missing values generated)
(47,778 missing values generated)

466
467 label var device_out "Uses any assistive device for mobility outside"

468 label var device_ins "Uses any assistive device for mobility inside"

469 label var device_bed "Uses any assistive device to get out of bed"

470 label var device_eat "Uses any assistive device for eating"

471 label var device_bath "Uses any assistive device for bathing"

472 label var device_toil "Uses any assistive device for toileting"

473 label var device_dres "Uses any assistive device for dressing"

474
475 /*
    > foreach x in eat bath toil dres {
    >     gen device_`x'=.
    >     label var device_`x' "Uses assistive device for `x'ing"
    > }
    > */

476
477 foreach x in out insd bed eat bath toil dres{
    2. replace device_`x'=d`x'devi==2 if inlist(d`x'devi,1,2)
    3. note device_`x': d`x'devi (2=1,2); derived variable
    4. if "`x'"=="out"{
    5.     note device_`x': Go outside using devices
    6. }
    7. else if "`x'"=="insd"{
    8.     note device_`x': Move inside with devices
    9. }
    10. else if "`x'"=="bed"{
    11.     note device_`x': Device used to get out of bed
    12. }
    13. else if "`x'"=="eat"{
    14.     note device_`x': Uses devices while eating
    15. }
    16. else if "`x'"=="bath"{
    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)

478
479 /*
> foreach x in eat bath toil dres {
>     replace device_`x'=d`x'devi==2 if inlist(d`x'devi,1,2)
> }
> */
480 replace device_bath=0 if dbathdevi==9
(17,217 real changes made)

481
482
483 gen device_any=0

484 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)

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

489
490 label var device_any "Uses any assistive device for ADLs"

491
492 rename drives dt drives //a drive flag exists in nhats

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

```

```

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

496
497 label var drives "Drives"

498
499 note drives: oftedrive (1=1,2,3,4) (0=5)

500 note drives: Did you ever drive.

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

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

503
504 gen avoids=.
    (47,778 missing values generated)

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

506
507 local avoids avoidriv1 avoidriv2 avoidriv4

508
509 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)

510
511 label var avoids "Avoids driving alone/at night/in weather*"

512
513 note avoids: oftedrive avoidriv1 avoidriv2 avoidriv4

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

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

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

517
518 gen miss=0

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

520
521 replace ind_transp_disadv=0 if oftedrive==. | inlist(oftedrive,5,6)
    (19,187 real changes made)

```

```

522 local probs trkpfrvis trprrelsr trprkpfgr trprgoout
523 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)

524
525 replace ind_transp_disadv=0 if !miss & missing(ind_transp_disadv)
    (0 real changes made)

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

527 label var ind_transp_disadv "Any transportation disadvantage"

528 drop miss

529
530 note ind_transp_disadv: oftedrive trkpfrvis trprrelsr trprkpfgr trprgoout
531 note ind_transp_disadv: Indicate any transportation disadvantage
532 note ind_transp_disadv: Located in NHATS Setup, under Part 7.
533 note ind_transp_disadv: Created: 04/05/18-MH

534
535 local lab1 Walked
536 local lab2 Got ride
537 local lab3 Van or shuttle provided by place of residence
538 local lab4 Van or shuttle for seniors
539 local lab5 Public transportation
540 local lab6 Taxi
541 local lab7 Other

```

```

542 local l=1

543
544 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)

545
546 replace getoplbs3=0 if !missing(getoplbs7) & missing(getoplbs3)
(35,030 real changes made)

547 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.
548 }
(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)

549
550 //marital status-3 vars: married, married_or_partnered
551
552 gen married=maritalstat==1 if maritalstat!=. //married
(5,661 missing values generated)

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

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

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

```

```

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

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

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

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

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

561
562 label var married "Married"

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

564 label var marital_sep "Separated"

565 label var marital_div "Divorced"

566 label var marital_wid "Widowed"

567 label var marital_nev "Never married"

568 notes married : martlstat

569 notes married : (Y/N)

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

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

572
573 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. }

```

```
574
575 //lives with spouse
576 gen resspouse=.
    (47,778 missing values generated)

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

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

579
580 label var resspouse "Lives with Spouse/Partner"

581 notes resspouse : livwthspo martlstat

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

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

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

585
586 //household members
587 gen hhm=.
    (47,778 missing values generated)

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

589
590 label var hhm "Number of household members"

591 notes hhm : dhshldnum

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

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

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

595
596 //age categorical
597
598 sort spid wave

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

600 label var age "Sensitive: age"

601
602 gen agecat = .
    (47,778 missing values generated)

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

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

```
605 label values agecat d2intvrage
606 label var agecat "Age, 5 yr categories"
607
608 notes agecat : d2intvrage (same)
609 notes agecat : Age cateory 65-59, 70-74, 75-79, 80-84, 85-89, 90+
610 notes agecat : Located in NHATS Setup, under Part 7.
611 notes agecat : Updated: 04/09/19-MH
612
613 //activities past month
614
615 gen attrelig=. //attend services
    (47,778 missing values generated)
616 gen imprelig=. //importance of religious services
    (47,778 missing values generated)
617 gen visitfrfam=. //visit fr. fam.
    (47,778 missing values generated)
618 gen impvisit=. //importance of visiting friends & fam
    (47,778 missing values generated)
619 gen attclub=. //participate in club, organized activity, class, etc.
    (47,778 missing values generated)
620 gen impclub=. //importance of such activities
    (47,778 missing values generated)
621 gen vigact=vigoractv //vigorous activities
    (5,684 missing values generated)
622
623
624 replace attrelig=attrelser==1 if attrelser>0
    (47,778 real changes made)
625 replace imprelig=imprelser if imprelser>0
    (41,951 real changes made)
626 replace visitfrfam=vistfrfam==1 if vistfrfam>0
    (47,778 real changes made)
627 replace impvisit=impvstfam if impvstfam>0
    (41,966 real changes made)
628 replace attclub=clbmtgrac==1 if clbmtgrac>0
    (47,778 real changes made)
629 replace impclub=imparclub if imparclub>0
    (41,995 real changes made)
630 //replace vigact=vigoractv==1 if vigoractv>0
631
632
```



```

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

634
635 label var attrelig "Past mo. Attend religious services"

636 label var imprelig "Importance of religious services"

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

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

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

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

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

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

643
644 label values imprelig palimprelser

645 label values impvisit palimpvstfam

646 label values impclub palimparclub

647
648 notes attrelig : attrelser (same)

649 notes attrelig : Ever attend religious services

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

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

652
653 notes imprelig : imprelser (same)

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

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

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

657
658 notes visitfrfam : visfrfam (same)

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

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

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

662
663 notes impvisit : impvstfam (same)

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

```

```

665 notes impvisit : Located in NHATS Setup, under Part 7.
666 notes impvisit : Updated: 04/09/19-MH
667
668 notes attclub : clbmtgrac (same)
669 notes attclub : Ever participate in clubs, classes, or other organized activit
> es.
670 notes attclub : Located in NHATS Setup, under Part 7.
671 notes attclub : Updated: 04/09/19-MH
672
673 notes vigact : vigoractv (same)
674 notes vigact : Ever spend time on vigorous activites that increased heart rate
> . ///
> Working out, swimming, running, biking, or any sport.
675 notes vigact : Located in NHATS Setup, under Part 7.
676 notes vigact : Updated: 04/09/19-MH
677
678
679 //smokin'
680 gen smokedever=.
    (47,778 missing values generated)
681 gen smoke_start_age=.
    (47,778 missing values generated)
682 gen smoke_stop_age=.
    (47,778 missing values generated)
683
684 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)
685
686 sort spid wave
687 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)
688 notes drop smokedever smoke_start_age smoke_stop_age
    (3 notes dropped)

```

```

689 rename smokesnow smokesnow_old

690
691 notes smokedever: smokedreg

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

693
694 notes smoke_start_age: agesrtsmk

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

696
697 notes smoke_stop_age: agelstsmk

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

699
700 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. }

701
702 gen smokesnow=.
      (47,778 missing values generated)

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

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

707
708 notes drop numcigsever
      (1 note dropped)

709
710 notes numcigsever: numcigday

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

712
713 gen numcigsnow=.
      (47,778 missing values generated)

714
715 replace smokesnow=smokesnow_old==1 if smokesnow_old>0
      (47,778 real changes made)

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

717
718 replace smokedever=1 if smokesnow==1
      (512 real changes made)

```

```

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

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

721
722 notes smokesnow: smokedever

723 notes smokesnow:
    (no note added)

724
725
726 label var smokedever "Ever smoked"

727 label var smokesnow "Smokes now"

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

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

730 label var smoke_start_age "Age started smoking"

731 label var smoke_stop_age "Age stopped smoking"

732
733 notes numcigsever: Located in NHATS Setup, under Part 7.

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

735
736 //pain
737 gen ind_pain=.
    (47,778 missing values generated)

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

739 label var ind_pain "Bothered by pain"

740
741 notes ind_pain: painbothr

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

743 //weight
744
745 gen wgt_curr=.
    (47,778 missing values generated)

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

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

748
749 replace wgt_curr=currweigh if currweigh>0
    (41,141 real changes made)

```

```

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

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

752
753 label var wgt_curr "Current weight, lbs."

754 label var height_ft "Current height, feet"

755 label var height_in "Current height, inches"

756
757 notes wgt_curr: currweigh

758 notes wgt_curr: Current Weight in pounds.

759 notes height_ft: howtallft

760 notes height_ft: How tall in feet.

761 notes height_in: howtallin

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

763
764 gen bmi=(wtg_curr/((height_ft*12+height_in)^2))*703
    (11,007 missing values generated)

765
766 label var bmi "Current BMI"

767
768 notes bmi: wgt_curr height_ft height_in

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

770
771 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. }

772
773 //get the per round weight, cluster, and strata vars (and why is moved created
> like that?)
774 //gen moved=.
775 rename varunit varunit
    (all newnames==oldnames)

776 rename varstrat varstrat
    (all newnames==oldnames)

777 rename anfinwgt0 anfinwgt

778
779 /*
> 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
> }
> */

```

```

780 label var moved "Moved since last ivw"

781
782 *****
783 /*these are taken from Rebecca's code*/
784
785 gen community_dwelling = 0

786 gen SP_completed = 0

787 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)

788 notes community_dwelling: dresid = 1,2

789 notes community_dwelling: In the community.

790
791 gen nhres=dresid==4 if dresid!=. & wave==1
    (39,533 missing values generated)

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

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

794 gen sp_status=1

795 gen deceased=0

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

797 label var prob_dem "Indicator probable dementia"

798
799 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)

800
801 note nhres : dresid

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

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

804
805 notes rcfres: dresid (2,3)

806 notes rcfres: Residential Care, excluding Nursing Home.

807
808 notes res_care: dresid (2-8)

809 notes res_care: Residential Care, excluding Nursing Home.

810
811 notes deceased: status 62 68

812 notes deceased: Died after round 1

813
814 notes prob_dem: dem_cat_3, sr_dementia_ever

815 notes prob_dem: Probable Dementia.

816
817 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. }

818
819
820 replace sp_status=2 if res_care==1
    (5,953 real changes made)

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

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

823 label var sp_status "Residential status"

824 label var nhres "Nursing Home Resident"

```

```

825 label var rcfres "Residential Care, excl. NH"
826 label var res_care "Residential Care, incl. NH"
827 label define sp_status 1 "Non-res care community" 2 "Res-care not NH" 3 "NH re
> sident" ///
> 4 "Deceased"
828 label values sp_status sp_status
829
830 //these ADL variables were missing previously
831 gen adl_ins_help = .
    (47,778 missing values generated)
832 gen adl_ins_diff=.
    (47,778 missing values generated)
833 gen adl_ins_not_done=.
    (47,778 missing values generated)
834
835 replace adl_ins_help=1 if insdhlp==1
    (5,334 real changes made)
836 replace adl_ins_help=0 if insdhlp==2
    (38,745 real changes made)
837 replace adl_ins_help=0 if insdhlp==-1 & sp_ivw==1
    (0 real changes made)
838 replace adl_ins_help=-7 if insdhlp==-7
    (0 real changes made)
839 replace adl_ins_help=-8 if insdhlp==-8
    (0 real changes made)
840 replace adl_ins_diff=0 if insddif==1
    (33,656 real changes made)
841 replace adl_ins_diff=1 if insddif>1
    (14,122 real changes made)
842 replace adl_ins_diff=0 if insddif==-1 & sp_ivw==1
    (0 real changes made)
843 replace adl_ins_diff=-7 if insddif==-7
    (0 real changes made)
844 replace adl_ins_diff=-8 if insddif==-8
    (0 real changes made)
845 replace adl_ins_not_done=inlist(dinsdsfdf,1,8)
    (47,778 real changes made)
846
847
848 *replace adl_ins_dif=1 if adl_ins_help==1
849 label var adl_ins_help "Received help getting around inside"

```



```

850 notes adl_ins_help : insdhlp
851 notes adl_ins_help : Anyone help you get around inside house
852 notes adl_ins_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7
  > header

853
854 notes adl_ins_diff: insddif
855 notes adl_ins_diff: How much difficulty getting around inside.

856 gen adl_bed_help = .
    (47,778 missing values generated)

857 gen adl_bed_diff=.
    (47,778 missing values generated)

858 gen adl_bed_not_done=.
    (47,778 missing values generated)

859
860 replace adl_bed_help=1 if bedhlp==1
    (4,585 real changes made)

861 replace adl_bed_help=0 if bedhlp==2
    (39,793 real changes made)

862 replace adl_bed_help=0 if bedhlp==-1 & sp_ivw==1
    (0 real changes made)

863 replace adl_bed_help=-7 if bedhlp==-7
    (0 real changes made)

864 replace adl_bed_help=-8 if bedhlp==-8
    (0 real changes made)

865 replace adl_bed_diff=0 if beddif==1
    (32,871 real changes made)

866 replace adl_bed_diff=1 if beddif>1
    (14,907 real changes made)

867 replace adl_bed_diff=0 if beddif==-1 & sp_ivw==1
    (0 real changes made)

868 replace adl_bed_diff=-7 if beddif==-7
    (0 real changes made)

869 replace adl_bed_diff=-8 if beddif==-8
    (0 real changes made)

870 replace adl_bed_not_done=inlist(dbedsfdf,1,8)
    (47,778 real changes made)

871
872 label var adl_bed_help "Received help getting out of bed"

873 *replace adl_bed_diff=1 if adl_bed_help==1
874 notes adl_bed_help : mo*bedhlp

```

```

875 notes adl_bed_help : "_"
876 notes adl_bed_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, step-7
    > header
877
878
879 //construct date of ivw--use 1st of month for all, because only have mo & yr
880
881 merge 1:1 spid wave using `resttrack', keep(match) nogen

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

882 gen ivw_day=spstatdtdy
883 label define ivw_day 1 "Not provided"
884 label values ivw_day ivw_day
885 gen ivw_month=.
    (47,778 missing values generated)
886 gen ivw_year=.
    (47,778 missing values generated)
887 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)

```

```

888
889 replace ivw_month=r1fqstatdtmt if wave==1 & ivw_month==.
    (0 real changes made)

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

891
892
893 gen ivw_date=mdy(ivw_month,ivw_day,ivw_year)
    (2,971 missing values generated)

894 format ivw_date %td

895 label var ivw_date "Interview date from restricted tracker"

896
897 note ivw_date: ivw_month ivw_day ivw_year

898 note ivw_date: Interview date from the restricted file.

899
900 gen ivw_date_sens=mdy(ivw_month,1,ivw_year)

901 format ivw_date_sens %td

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

903
904 note ivw_date_sens: ivw_month ivw_year

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

906
907 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. }

908
909 /// 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*/
910 //changes made 5/20/18
911
912         replace adl_dres_help=1 if dresoft==5
    (418 real changes made)

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

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

915
916
917 gen adl_index=0

```

```

918 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)

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

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

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

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

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

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

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

927 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. }

928 label var adl_independent "Independent in ADLs"

929 label var adl_impair "Help with 1+ ADL"

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

931
932 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. }

933
934 note adl_index: adl*_help

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

936
937 note adl_independent: adl_index =0

```

```

938 note adl_independent: No ADL help for the individual.
939
940 note adl_impair: adl_index >0
941 note adl_impair: ADL help for the individual.
942
943 note iadl_index: iadl*_help
944 note iadl_index: Number of IADL's needing helped with.
945
946 note iadl_independent: iadl_index =0
947 note iadl_independent: No IADL help for the individual.
948
949 note iadl_impair: iadl_index >0
950 note iadl_impair: IADL help for the individual.
951
952 label var iadl_independent "Independent in IADLs"
953 label var iadl_impair "Help with 1+ IADL"
954 label var iadl_index "Index of help w/ IADLs"
955
956 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. }
957
958 //addition of variables from Eric's homebound code
959 gen meals_wheels=.
    (47,778 missing values generated)
960 gen noone_talk=.
    (47,778 missing values generated)
961 gen restrnt_takeout=.
    (47,778 missing values generated)
962
963
964 replace meals_wheels=dmealwhl
    (601 real changes made)
965 replace noone_talk=noonetalk
    (2,415 real changes made)
966 replace restrnt_takeout=dmealtkot
    (3,619 real changes made)
967 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)

```

```

968
969 notes meals_wheels: dmealwhl
970 notes meals_wheels: Helper is meals on wheels
971
972 notes noone_talk: noonetalk
973 notes noone_talk: No one to talk to
974
975 notes restrnt_takeout: dmealkot
976 notes restrnt_takeout: Helper is Restaurant takeout
977
978 foreach x in meals_wheels noone_talk restrnt_takeout{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/10/19-MH
    4. }
979
980 label var meals_wheels "Meals on wheels"
981 label var noone_talk "SP has no one to talk to"
982 label var restrnt_takeout "Received help with restaurant/takeout"
983 //pull in date of death, constructed from claims and nhats
984 merge m:1 spid using "E:\nhats\data\NHATS CMS DUA 28016\Merged\Stata\death_dat
    > e.dta", nogen

```

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

```

985
986 gen died_12=mofd(death_date)-mofd(ivw_date)<=12
987 gen died_24=mofd(death_date)-mofd(ivw_date)<=24
988
989 notes died_12: death_date ivw_date
990 notes died_12: death_date-ivw_date<=12
991
992 notes died_24: death_date ivw_date
993 notes died_24: death_date-ivw_date<=24
994
995 foreach x in died_12 died_24{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/10/19-MH
    4. }
996

```

```

997 //note-the following has been superseded by the death date using claims
998 /*
>
> //use status to get death
> gen died_12=.
> gen died_24=.
> forvalues i=1/3 {
>   replace died_12=inlist(r`='i'+1'status,62,86) if wave==`i' & r`='i'+1'status!=
>   79
> }
> forvalues i=1/2 {
>   replace died_24=inlist(r`='i'+2'status,62,86) if wave==`i' & !inlist(r`='i'+2'
>   status,79,.)
> }
> replace died_24=1 if died_12==1
>
> foreach i in 12 24 {
>   label var died_`i' "SP died w/in `i' months, per future wave status"
> }*/
999
1000//update 8/2/17--pulled in nhats dod to share off server
1001
1002//look at death month & year. don't have, so set date to last of month
1003gen dd=.
    (47,778 missing values generated)

1004replace pd2yrdied=pd2yrdied+2010 if pd2yrdied>0
    (998 real changes made)

1005
1006gen nhats_death_day=.
    (47,778 missing values generated)

1007forvalues w=2/$w {
    2.         foreach j in mth yr {
    3.             replace pd`w'`j'died=. if pd`w'`j'<0
    4.         }
    5.         replace nhats_death_day=31 if inlist(pd`w'm,1,3,5,7,8,10,12)
    6.         replace nhats_death_day=30 if inlist(pd`w'm,4,6,9,11)
    7.         replace nhats_death_day=28 if inlist(pd`w'm,2)
    8.         replace dd=mdy(pd`w'mthdied,nhats_death_day,pd`w'yrdied) if pd`w'yr
> died>0 & pd`w'yrdied!=.
    9.     }
    (0 real changes made)
    (0 real changes made)
    (532 real changes made)
    (348 real changes made)
    (94 real changes made)
    (974 real changes made)
    (0 real changes made)
    (0 real changes made)
    (888 real changes made)
    (486 real changes made)
    (129 real changes made)
    (1,503 real changes made)
    (0 real changes made)
    (0 real changes made)
    (1,020 real changes made)
    (484 real changes made)
    (84 real changes made)
    (1,580 real changes made)
    (0 real changes made)
    (0 real changes made)
    (880 real changes made)
    (430 real changes made)
    (140 real changes made)
    (1,450 real changes made)
    (0 real changes made)
    (0 real changes made)
    (1,204 real changes made)
    (670 real changes made)
    (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)

1008
1009by spid, sort: egen nhats_death_date=max(dd)
    (37848 missing values generated)

1010label var nhats_death_date "Sensitive: SP death date, from NHATS (day imputed)
> "

1011format nhats_death_date %td

1012gen nhats_death_month=month(nhats_death_date)
    (37,848 missing values generated)

1013gen nhats_death_year=year(nhats_death_date)
    (37,848 missing values generated)

1014foreach x in month year {
    2. label var nhats_death_`x' "Sensitive: SP death `x', from NHATS"
    3. }

1015
1016notes nhats_death_date: pdmthdied nhats_death_day pdwyrddied

1017notes nhats_death_date: Death date from sensitive variables.

1018notes nhats_death_date: Located in NHATS Setup, under Part 7.

1019notes nhats_death_date: Updated: 04/11/19-MH

1020
1021drop dd

1022
1023gen eligible_nsoc=flldnsoc==1

1024gen completed_nsoc=flldnsoccomp>0 if flldnsoccomp!=.
    (37,686 missing values generated)

1025gen total_caregiver_comp=flldnsoccomp if flldnsoccomp>0 & flldnsoccomp!=.
    (41,834 missing values generated)

1026gen total_caregiver_elig=flldnsoccnt if flldnsoccnt>0 & flldnsoccnt!=.
    (37,686 missing values generated)

1027label var eligible "Sensitive: Eligible for NSOC interview, wave 1 tracker"

1028label var complete "Sensitive: Completed Interview"

1029label var total_caregiver_comp "Sensitive: Total Caregivers that Completed Int
> erstatus"

1030
1031notes eligible_nsoc: flldnsoc

```



```

1032notes eligible_nsoc: Eligible for NSOC

1033
1034notes completed_nsoc: flldnsocomp

1035notes completed_nsoc: Had an NSOC interview.

1036
1037notes total_caregiver_comp: flldnsocomp

1038notes total_caregiver_comp: Count of caregivers NSOC.

1039
1040notes total_caregiver_elig: flldnsoccnt

1041notes total_caregiver_elig: Count of helpers eligible NSOC.

1042
1043foreach 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. }

1044
1045//adverse consequences of unmet need
1046
1047gen adverse=0

1048forvalues 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)

```

```
1049label var adverse "Any adverse consequence of unmet need (excluding mobility)"
```

```
1050
```

```
1051local ha laun shop meal bank
```

```
1052local sc eat bath toil dres
```

```
1053local mo out insd bed
```

```
1054
```

```
1055forvalues 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.         }

```

```
1056     }
```

```

    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)

1057

1058label var adverse_laun "Ever go w/o clean laundry"

1059label var adverse_shop "Ever go w/o groceries/personal items"

1060label var adverse_meal "Ever go w/o hot meal"

1061label var adverse_bank "Ever go w/o handling bills and banking matters"

1062label var adverse_eat "Ever go w/o eating"

1063label var adverse_bath "Ever go w/o showering/bath/washup"

1064label var adverse_toil "Ever go w/o using toilet"

1065label var adverse_dres "Ever go w/o getting dressed"

```

1066label var adverse_out "Ever go w/o going outside; stayed inside"
1067label var adverse_insd "Ever go w/o moving inside b/c unmet need"
1068label var adverse_bed "Ever go w/o leaving bed"
1069
1070notes adverse: launwout shopwout mealwout bankwout eatwout bathwout toilwout d
    > reswout
1071notes adverse: Ever go without doing a task from the list.
1072notes adverse_laun: launwout
1073notes adverse_laun: Ever go without clean laundry, b/c too difficult or no one
    > there to help.
1074notes adverse_shop: shopwout
1075notes adverse_shop: Ever go without groceries/personal items, b/c too difficul
    > t or no one there to help.
1076notes adverse_meal: mealwout
1077notes adverse_meal: Ever go without hot meal, b/c too difficult or no one ther
    > e to help.
1078notes adverse_bank: bankwout
1079notes adverse_bank: Ever go without handling bills and banking matters, b/c to
    > o difficult or no one there to help.
1080notes adverse_eat: eatwout
1081notes adverse_eat: Ever go without eating, b/c too difficult or no one there t
    > o help.
1082notes adverse_bath: bathwout
1083notes adverse_bath: Ever go without showering/taking a bath/washing up, b/c to
    > o difficult or no one there to help.
1084notes adverse_toil: toilwout
1085notes adverse_toil: Ever wet/soil self b/c no help or too difficult to get to
    > toilet by self.
1086notes adverse_dres: dreswout
1087notes adverse_dres: Ever go without getting dressed, b/c too difficult or no o
    > ne there to help.
1088notes adverse_out: outwout
1089notes adverse_out: Ever go without leaving home/building, b/c too difficult or
    > no one there to help.
1090notes adverse_insd: insdwout
1091notes adverse_insd: Ever go without going into any places in home/building, b/
    > c too difficult or no one there to help.

```

```

1092notes adverse_bed: bedwout

1093notes adverse_bed: Ever go without leaving your bed, b/c too difficult or no o
> ne there to help.

1094
1095foreach 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. }

1096
1097//limited favorite activity
1098capture drop lim_fav

1099gen lim_fav=.
(47,778 missing values generated)

1100
1101forvalues 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)

1102label var lim_fav "Last month ever kept from favorite activity by health/funct
> ion"

1103
1104capture drop lim_fav_yr

1105////NEW limited favorite activity
> gen lim_fav_yr=.
(47,778 missing values generated)

1106forvalues 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)

1107
1108label var lim_fav_yr "Last year ever kept from favorite activity by health/fun
> ction"

1109
1110notes lim_fav: helmfvact

1111notes lim_fav: Did health or functioning ever keep you from favorite activity,
> last month

1112
1113notes lim_fav_yr: helmfvact

1114notes lim_fav_yr: Did health or functioning ever keep you from favorite activi
> ty, last year.

```

```

1115
1116 foreach x in lim_fav lim_fav_yr {
1117     2. notes `x': Located in NHATS Setup, under Part 7.
1118     3. notes `x': Updated: 04/11/19-MH
1119     4. }

1117
1118
1119
1120//social cohesion
1121gen cohesion_knowwell=.
1122    (47,778 missing values generated)

1122gen cohesion_willnghlp=.
1123    (47,778 missing values generated)

1123gen cohesion_peoptrstd=.
1124    (47,778 missing values generated)

1124
1125forvalues w=1/$w {
1126    2.         foreach x in knowwell willnghlp peoptrstd {
1127    3.             replace cohesion_`x'=`x' if !missing(`x') & wave==`w'
1128    4.         }
1129    5.         }
1130    (7,464 real changes made)
1131    (7,392 real changes made)
1132    (7,267 real changes made)
1133    (5,941 real changes made)
1134    (5,871 real changes made)
1135    (5,768 real changes made)
1136    (4,751 real changes made)
1137    (4,707 real changes made)
1138    (4,605 real changes made)
1139    (3,946 real changes made)
1140    (3,900 real changes made)
1141    (3,815 real changes made)
1142    (7,401 real changes made)
1143    (7,303 real changes made)
1144    (7,158 real changes made)
1145    (6,273 real changes made)
1146    (6,182 real changes made)
1147    (6,090 real changes made)
1148    (5,464 real changes made)
1149    (5,386 real changes made)
1150    (5,277 real changes made)

1126rename cohesion_willnghlp cohesion_willing

1127rename cohesion_peoptrstd cohesion_peop

1128
1129gen cohesion=(cohesion_p+cohesion_k+cohesion_w==3) ///
1130    > if !missing(cohesion_k) | !missing(cohesion_w) | !missing(cohesion_p)
1131    (5,935 missing values generated)

1130
1131label var cohesion_knowwell "People know each other well in the community"

1132label var cohesion_w "People are willing to help each other in the community"

```

```

1133label var cohesion_p "People can be trusted in the community"
1134label define cohesion_ 1 "Agree a lot" 2 "Agree a little" 3 "Do not agree"
1135label values cohesion_* cohesion_
1136label var cohesion "High community cohesion (Highest on all 3 statements)"
1137
1138notes cohesion_knowwell: knowwell
1139notes cohesion_knowwell: People in the community know each other well. Agree a
> lot, a little, do not agree.
1140notes cohesion_willing: willinghlp
1141notes cohesion_willing: People in the community are willing to help each other
> . Agree a lot, a little, do not agree.
1142notes cohesion_knowwell: peoptrstd
1143notes cohesion_knowwell: People in the community can be trusted. Agree a lot,
> a little, do not agree.
1144notes cohesion: knowwell willinghlp peoptrstd
1145notes cohesion: Agree a lot on all to get high community cohesion.
1146
1147 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. }
1148
1149gen home_disorder_insd=.
(47,778 missing values generated)
1150gen home_disorder_outsd=.
(47,778 missing values generated)
1151gen home_disorder_area=.
(47,778 missing values generated)
1152gen home_disorder_clutter=.
(47,778 missing values generated)
1153
1154foreach 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)

```

```

1155foreach 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)

1156foreach 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)

1157foreach 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)

1158/*
> //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'
> }
> */
1159     egen insd=rowtotal(condihom*), m
(8877 missing values generated)

1160     egen outsd=rowtotal(condhome*), m
(6069 missing values generated)

1161     egen area=rowtotal(areacond*), m
(6056 missing values generated)

1162     egen clutter=rowtotal(clutter*), m
(8877 missing values generated)

```



```

1163
1164
1165     foreach x in insd outsd area clutter {
1166         2.         replace home_disorder_`x'=`x'>=1 if !missing(`x')
1167         3.         drop `x'
1168         4.     }
1169 (38,901 real changes made)
1170 (41,709 real changes made)
1171 (41,722 real changes made)
1172 (38,901 real changes made)
1173
1174 notes home_disorder_outsd: condhome1 condhome2 condhome3 condhome4 condhome5 c
1175 > ondhome6
1176
1177 notes home_disorder_outsd: If "yes" to any problems, then flagged
1178
1179 notes home_disorder_area: areacond1 areacond2 areacond3 areacond4
1180
1181 notes home_disorder_area: If "yes" to any problems, then flagged
1182
1183 notes home_disorder_clutter: clutterrr1 clutterrr2
1184
1185 notes home_disorder_clutter: If "yes" to any problems, then flagged
1186
1187 notes home_disorder_insd: condihom1 condihom2 condihom3 condihom4 condihom5
1188
1189 notes home_disorder_insd: If "yes" to any problems, then flagged
1190
1191
1192
1193
1194
1195
1196
1197
1198
1199
1200
1201
1202
1203
1204
1205
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(0 real changes made)
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(0 real changes made)

1187
1188foreach 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)

1189
1190replace creditdebt=inlist(pycredbal,2,3) | !missing(crecardeb) if ///
  > !missing(pycredbal) | !missing(crecardeb)
(40,518 real changes made)

1191replace medcreditdebt=credcdmed==1 if !missing(credcdmed)
(8,071 real changes made)

1192replace medbillsovertime=medpaovtm==1 if !missing(medpaovtm)
(40,680 real changes made)

1193replace medpaynotcash=medbillsovertime==1 | medcreditdebt==1 if !missing(medbi
  > llsovertime) | ///
  > !missing(medcreditdebt)
(40,722 real changes made)

1194
1195gen finhlpfam_n=finhlpfam==1 if !missing(finhlpfam)
(7,087 missing values generated)

1196gen fingftfam_n= fingftfam==1 if !missing(fingftfam)
(7,352 missing values generated)

1197replace govtasst=progneed1==1 | progneed2==1 | progneed3==1 if !missing(progne
  > ed1) ///
  > | !missing(progneed2) | !missing(progneed3)
(40,842 real changes made)

1198
1199
1200replace medpaynotcash=medbillsovertime==1 | medcreditdebt==1 if !missing(medbi
  > llsovertime) | !missing(medcreditdebt)
(0 real changes made)

1201
1202label var creditdebt "Has credit card debt or does not pay off in full monthly
  > "

1203label var medpaynotcash "Has medical credit card debt or pays bills over time"

```

[illegible]

```

1229
1230label var ownhome "SP owns home"

1231label var rent "SP rents"

1232label var mortgagepaidoff "Mortgage is paid off"

1233label var mortpaymt "Mortgage payment"

1234label define mortpaymt 1 "<$250" 2 "$250-499" 3 "$500-999" 4 "$1000+"

1235label values mortpaymt mortpaymt

1236label var timeinmort "Time left in mortgage"

1237label define timeinmort 1 "5 years" 2 "10 years" 3 "Longer than 10 years"

1238label values timeinmort timeinmort

1239label var owedonmort "Amount left on mortgage"

1240label define owedonmort 1 "<$50,000" 2 "$50,000-99,999.99" 3 "$100,000+"

1241label values owedonmort owedonmort

1242label var homevalue "Home value"

1243label 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+"

1244label values homevalue_n homevalue_n

1245
1246forvalues w=1/$w {
    2. tab ownrenttot
    3. replace ownhome=ownrenttot==1 if wave==`w' & (!missing(ownrento) | res_care=
> =1)
    4. replace rent=ownrenttot==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.
1247tab 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	
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(8,130 real changes made)

(8,130 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	
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(28,433 real changes made)

(28,433 real changes made)

Mortgage payment	Freq.	Percent	Cum.
<\$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	
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(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	
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(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	
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(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	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	

(312 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	

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

R1 HP7 HME SEC	HOUS	Freq.	Percent	Cum.
8 PUBL SENOR				
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)

1248

1249drop homevalue

1250rename homevalue_n homevalue

1251

1252notes ownhome: ownrenttot

1253notes ownhome: Do you/spouse/partner own home (apartment/condo).

1254notes rent: ownrenttot

1255notes rent: Do you/spouse/partner rent home (apartment/condo).

1256notes mortgagepaidoff: mrtpadoff

1257notes mortgagepaidoff: Is your/spouse/partner mortgage paidoff.

1258notes paysmortgage: mrtpadoff

1259notes paysmortgage: Are you/spouse/partner still making mortgage payments.

```

1260notes mortpaymt: mthlymort
1261notes mortpaymt: How much monthly mortgage payment
1262notes owedonmort: amoutowed amtstlowe
1263notes owedonmort: Amount owed on mortgage.
1264notes homevalue: homvalamt
1265notes homevalue: What is the present value of the home. Amount if sold today.
1266notes rentpaid: rentamt
1267notes rentpaid: Rent paid each month.
1268notes section8: sec8pubsn
1269notes section8: Home in section 8 or public housing or housing for low-income
> seniors.
1270 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. }
1271
1272label var rentpaid "Amount rent paid"
1273label define rentpaid 1 "<$250" 2 "250-499" 3 "500-999" 4 "$1000+"
1274label values rentpaid rentpaid
1275label var section8 "Indicator lives in Section 8 housing"
1276label var medcreditdebt "Has Medical credit card debt"
1277label var medbillsovertime "Pays Medical bills over time"
1278label var finhlpfam "Received financial help/gifts from family"
1279label var fingftfam "Provided financial help/gifts to family"
1280label var paysmortgage "Pays a mortgage"
1281gen n_social_network=.
(47,778 missing values generated)
1282
1283replace n_social_network=dnumsn if dnumsn>=0
(39,585 real changes made)
1284
1285label var n_social_network "Number in social network"
1286
1287gen division=.
(47,778 missing values generated)

```

```

1288
1289replace division=dcensdiv if dcensdiv>0
    (47,777 real changes made)

1290
1291gen region=division
    (1 missing value generated)

1292recode region (1 2=1) (3 4=2) (5/7=3) (8 9=4)
    (region: 45410 changes made)

1293
1294la define region 1 "Northeast" 2 "Midwest" 3 "South" 4 "West"

1295label values region region

1296
1297capture gen northeast=0

1298capture gen midwest=0

1299capture gen south=0

1300capture gen west=0

1301
1302replace northeast=1 if region==1
    (8,357 real changes made)

1303replace midwest=1 if region==2
    (11,588 real changes made)

1304replace south=1 if region==3
    (18,751 real changes made)

1305replace west=1 if region==4
    (9,081 real changes made)

1306
1307notes division: dcensdiv

1308notes division: Census division

1309notes n_social_network: dnumsn

1310notes n_social_network: Number in social network

1311foreach x in northeast midwest south west{
    2. notes `x': dcensdiv
    3. notes `x': `x' census division
    4. }

1312foreach 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. }

1313/*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*
> */

```



```

1314//rename round*status r*status
1315
1316svyset varunit [pw=anfinwgt], strat(varstrat)
      pweight: anfinwgt
      VCE: linearized
Single unit: missing
Strata 1: varstrat
SU 1: varunit
FPC 1: <zero>

1317
1318sort spid wave

1319by spid: carryforward educ*, replace
education: (0 real changes made)
educ_hs_ind: (32766 real changes made)

1320label var educ_hs_ind "Education: HS+"

1321notes drop educ*
(3 notes dropped)

1322
1323//10/25/18--add in payer and other variables from Jenny's homebound project
1324preserve

1325/*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 launslf 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 medsslf 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
> */

1326//note--as of now, doesn't include round 7
1327forvalues 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.
1328local 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.
1329foreach 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.
1330//for iadls, reason don't do alone b/c health/function or reported difficulty
> or went w/o
1331gen 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.
1332gen 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.
1333label var device_mobility "Uses a walker, wheelchair, or scooter inside or out
> side"
42.
1334keep spid wave *_jenny device_mobility `kidvars' ind_kids adlcount iadlcount
43.
1335tempfile kids`wave'
44. save `kids`wave'
45.
1336use "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.

```

```

1337rename 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.
1338
1339levelsof 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.
1340foreach 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.
1341
1342by 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.
1343duplicates drop
112. tempfile paid`wave'
113. save `paid`wave''
114.
1344use "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.
1345tempfile 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)
(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)
 note: label truncated to 80 characters
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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)
 note: label truncated to 80 characters
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 note: label truncated to 80 characters
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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
 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
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 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)
(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

```



```

1346
1347foreach 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

```

```

1348
1349restore

```

```

1350
1351
1352
1353merge 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)

```

1354merge 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)

```
1355merge 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)

```
1356
```

```
1357
```

```
1358notes n_children: dnumchild
```

```
1359notes n_children: Number of children
```

```
1360notes stairs_ind: entrstair
```

```
1361notes stairs_ind: Entrance you use most often, are their stairs.
```

```
1362notes livesalone_ind: dhshldnum
```

```
1363notes livesalone_ind: total number in household.
```

```
1364notes ind_kids: dnumchild n_children
```

```
1365notes ind_kids: Indicator have children
```

```
1366foreach 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. }
```

```
1367notes adlcount: eat_jenny toil_jenny insd_jenny bed_jenny dres_jenny bath_jenn
> y
```

```
1368notes adlcount: count of Jenny's ADL measures
```

```
1369foreach 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. }
```

```
1370notes iadlcount: laun_jenny meds_jenny shop_jenny meal_jenny bank_jenny
```

```
1371notes iadlcount: count of Jenny's IADL measures
```

```
1372notes device_mobility: insdwalk outwalk insdwl outwl insdsct outsct
```

```
1373notes device_mobility: If annswered most or everytime to having mobility devic
> e for ///
> question indicated.
```

1374notes any_paid_by_medicare: paid_by_gov_cat_2 from progmpaid
1375notes any_paid_by_medicare: Medicare program paid for helper.
1376notes any_paid_by_sp: paid_by_sp from sppayshlp
1377notes any_paid_by_sp: SP pays for help
1378notes any_paid_by_gov: paid_by_gov from govpayshlp
1379notes any_paid_by_gov: Government pays for help.
1380notes any_paid_by_ins: paid_by_ins from inspayshlp
1381notes any_paid_by_ins: Insurance pays for help.
1382notes any_paid_by_oth: paid_by_oth from othpayshlp
1383notes any_paid_by_oth: Other pays for help.
1384notes 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
1385notes any_paid_by_unk: Unknown who pays for help.
1386notes otherfamily_help_ind: relat
1387notes otherfamily_help_ind: Other family helpers
1388notes spouse_help_ind: relat
1389notes spouse_help_ind: Spouse as helper.
1390notes daughter_help_ind: relat
1391notes daughter_help_ind: Daughter as helper
1392notes son_help_ind: relat
1393notes son_help_ind: Son as helper
1394notes daughter_help_ind: relat
1395notes daughter_help_ind: Daughter as helper
1396notes paid_help_ind: relat
1397notes paid_help_ind: Has paid helper
1398notes otherinformal: relat
1399notes otherinformal: Has other family helpers.
1400notes tot_otherfamilyhrs: hrswk
1401notes tot_otherfamilyhrs: Other family hours.
1402notes tot_otherinformalhrs: hrswk
1403notes tot_otherinformalhrs: From other unpaid sources.

```

1404
1405foreach 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 7///
> 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. }

1406
1407label var aveincome "Income"

1408label var residence "Type of residence"

1409drop 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* */

1410
1411foreach 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. }

1412
1413foreach 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. }

1414label var iadl_meds_diff "Difficulty taking meds last month"

1415label var iadl_meds_not "Didn't take meds or not by self in last month"

1416label var adl_ins_diff "Difficulty moving around inside by self in last month"

1417label var adl_ins_no "Didn't move around inside by self in last month"

1418label var adl_bed_dif "Difficulty getting out of bed by self in last month"

1419label var adl_bed_no "Didn't get out of bed by self in last month"

1420label var num_helpers_cat "Categorical number of helpers"

1421label var ivw_type "Type of interview"

1422label var income_cat "Categorical income"

1423label var trfinwgt "Tracker weight"

1424label var tr2011wgt "Tracker weight (2011 cohort)"

1425label var howgetdoc "Mode of transport to regular doctor"

1426label var ivw_day "Day of interview (Assigned to 1 for all)"

```

```

1427label var ivw_month "Month of interview"
1428label var ivw_year "Year of interview"
1429label var ivw_date "Date of interview (1st of the month assigned)"
1430label var community_dwelling "Community dwelling"
1431label var marital_sd "Separated or divorced"
1432label var iadl_diff_index "Count of IADL difficulties reported (missing coded
> as zero)"
1433label var iadl_diff_ind "Indicator of any IADL difficulty reported (missing co
> ded as zero)"
1434label var adl_diff_index "Count of IADL difficulties reported (missing coded a
> s zero)"
1435label var adl_diff_ind "Indicator of any IADL difficulty reported (missing cod
> ed as zero)"
1436label var nhats_death_day "Sensitive: Day of death from NHATS (Assigned to las
> t day of month)"
1437label var nhats_death_month "Sensitive: Month of death from NHATS"
1438label var nhats_death_year "Sensitive: Year of death from NHATS"
1439label var division "Census division"
1440label var region "Region"
1441label var ind_kids "Indicator any living children"
1442
1443rename adlcount adlcount_jenny
1444label var adlcount_j "ADL count: some/lot of difficulty or adverse consequence
> of unmet need"
1445rename iadlcount iadlcount_jenny
1446label var iadlcount_j "IADL count: some/lot of difficulty or adverse consequen
> ce of unmet need"
1447
1448notes adl_bed_diff: mo*beddif
1449notes adl_bed_diff: How much difficulty getting out of bed. Any difficulty fla
> gged.
1450notes adl_ins_diff: mo*insddif
1451notes adl_ins_diff: How much difficulty getting around house. Any difficulty f
> lagged.
1452notes adl_eat_diff: eatslfdif
1453notes adl_eat_diff: How much difficulty eating by yourself. Any difficulty fla
> gged.

```

```

1454notes adl_bath_diff: sc*bathdif
1455notes adl_bath_diff: How much difficulty have bathing/showering. Any difficult
> y flagged.
1456notes adl_toil_diff: sc*toildif
1457notes adl_toil_diff: How much difficulty using the toilet. Any difficulty flag
> ged.
1458notes adl_dres_diff: sc*dresdif
1459notes adl_dres_diff: How much difficulty getting dressed. Any difficulty flagg
> ed.
1460notes iadl_laun_diff: ha*laundif
1461notes iadl_laun_diff: How much difficulty doing laundry. Any difficulty flagge
> d.
1462notes iadl_shop_diff: ha*shopdif
1463notes iadl_shop_diff: How much difficulty doing shop. Any difficulty flagged.
1464notes iadl_meal_diff: ha*dmealdif
1465notes iadl_meal_diff: How much difficulty shopping for groceries or personal i
> tems. Any difficulty flagged.
1466notes iadl_bank_diff: ha*bankdif
1467notes iadl_bank_diff: How much difficulty doing banking and handling bills. An
> y difficulty flagged.
1468notes iadl_meds_diff: mc*medsdif
1469notes iadl_meds_diff: How much difficulty keeping track of meds. Any difficult
> y flagged.
1470
1471foreach 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. }
1472
1473// 11/8/18 Making National Estimates using 2011 population (using original wei
> ghts) Rds 1-4
1474rename anfinwgt old_anfinwgt
1475gen double anfinwgt=old_anfinwgt
1476replace anfinw=old_anfinwgt*5491440/4649902 if inrange(age,65,69) & female==0
> & inrange(wave,1,4)
(1,390 real changes made)
1477replace anfinw=old_anfinwgt*4087340/4097017 if inrange(age,70,74) & female==0
> & inrange(wave,1,4)
(2,322 real changes made)

```

```

1478replace anfinw=old_anfinwgt*3027820/3001146 if inrange(age,75,79) & female==0
> & inrange(wave,1,4)
(2,122 real changes made)

1479replace anfinw=old_anfinwgt*2169060/2173979 if inrange(age,80,84) & female==0
> & inrange(wave,1,4)
(2,039 real changes made)

1480replace anfinw=old_anfinwgt*1194880/1224397 if inrange(age,85,89) & female==0
> & inrange(wave,1,4)
(1,421 real changes made)

1481replace anfinw=old_anfinwgt*524540/463619 if inrange(age,90,150) & female==0 &
> inrange(wave,1,4)
(876 real changes made)

1482
1483replace anfinw=old_anfinwgt*6124980/5250466 if inrange(age,65,69) & female==1
> & inrange(wave,1,4)
(1,622 real changes made)

1484replace anfinw=old_anfinwgt*4781940/4843444 if inrange(age,70,74) & female==1
> & inrange(wave,1,4)
(2,749 real changes made)

1485replace anfinw=old_anfinwgt*3886940/3878674 if inrange(age,75,79) & female==1
> & inrange(wave,1,4)
(2,775 real changes made)

1486replace anfinw=old_anfinwgt*3249940/3215654 if inrange(age,80,84) & female==1
> & inrange(wave,1,4)
(3,027 real changes made)

1487replace anfinw=old_anfinwgt*2230480/2257969 if inrange(age,85,89) & female==1
> & inrange(wave,1,4)
(2,458 real changes made)

1488replace anfinw=old_anfinwgt*1382160/1329677 if inrange(age,90,150) & female==1
> & inrange(wave,1,4)
(2,362 real changes made)

1489
1490// Making National Estimates using 2015 population (using original weights) Rd
> s 5-7
1491replace anfinw=old_anfinwgt*6855860/5671878 if inrange(age,65,69) & female==0
> & inrange(wave,5,7)
(1,033 real changes made)

1492replace anfinw=old_anfinwgt*4941100/5071147 if inrange(age,70,74) & female==0
> & inrange(wave,5,7)
(2,135 real changes made)

1493replace anfinw=old_anfinwgt*3367300/3524465 if inrange(age,75,79) & female==0
> & inrange(wave,5,7)
(1,927 real changes made)

1494replace anfinw=old_anfinwgt*2257880/2208455 if inrange(age,80,84) & female==0
> & inrange(wave,5,7)
(1,635 real changes made)

```

```

1495replace anfinw=old_anfinwgt*1307620/1358952 if inrange(age,85,89) & female==0
    > & inrange(wave,5,7)
    (1,266 real changes made)

1496replace anfinw=old_anfinwgt*648680/624319 if inrange(age,90,150) & female==0 &
    > inrange(wave,5,7)
    (835 real changes made)

1497
1498replace anfinw=old_anfinwgt*7601440/6226214 if inrange(age,65,69) & female==1
    > & inrange(wave,5,7)
    (1,162 real changes made)

1499replace anfinw=old_anfinwgt*5695060/6077509 if inrange(age,70,74) & female==1
    > & inrange(wave,5,7)
    (2,524 real changes made)

1500replace anfinw=old_anfinwgt*4182460/4196832 if inrange(age,75,79) & female==1
    > & inrange(wave,5,7)
    (2,495 real changes made)

1501replace anfinw=old_anfinwgt*3165560/3137807 if inrange(age,80,84) & female==1
    > & inrange(wave,5,7)
    (2,383 real changes made)

1502replace anfinw=old_anfinwgt*2253980/2157300 if inrange(age,85,89) & female==1
    > & inrange(wave,5,7)
    (2,018 real changes made)

1503replace anfinw=old_anfinwgt*1577880/1534438 if inrange(age,90,150) & female==1
    > & inrange(wave,5,7)
    (1,995 real changes made)

1504
1505// Making National Estimates using 2011 Population (2011 Weights) for Rds 5-7
1506rename an2011wgt old_an2011wgt

1507gen an2011wgt=old_an2011wgt
    (25,856 missing values generated)

1508replace an2011wgt=old_an2011wgt*5491440/4649902 if inrange(age,65,69) & female
    > ==0 & inrange(wave,5,7)
    (16 real changes made)

1509replace an2011wgt=old_an2011wgt*4087340/4097017 if inrange(age,70,74) & female
    > ==0 & inrange(wave,5,7)
    (1,036 real changes made)

1510replace an2011wgt=old_an2011wgt*3027820/3001146 if inrange(age,75,79) & female
    > ==0 & inrange(wave,5,7)
    (1,028 real changes made)

1511replace an2011wgt=old_an2011wgt*2169060/2173979 if inrange(age,80,84) & female
    > ==0 & inrange(wave,5,7)
    (910 real changes made)

1512replace an2011wgt=old_an2011wgt*1194880/1224397 if inrange(age,85,89) & female
    > ==0 & inrange(wave,5,7)
    (749 real changes made)

```



```

1513replace an2011wgt=old_an2011wgt*524540/463619 if inrange(age,90,150) & female=
> =0 & inrange(wave,5,7)
(532 real changes made)

1514
1515replace an2011wgt=old_an2011wgt*6124980/5250466 if inrange(age,65,69) & female
> ==1 & inrange(wave,5,7)
(20 real changes made)

1516replace an2011wgt=old_an2011wgt*4781940/4843444 if inrange(age,70,74) & female
> ==1 & inrange(wave,5,7)
(1,195 real changes made)

1517replace an2011wgt=old_an2011wgt*3886940/3878674 if inrange(age,75,79) & female
> ==1 & inrange(wave,5,7)
(1,350 real changes made)

1518replace an2011wgt=old_an2011wgt*3249940/3215654 if inrange(age,80,84) & female
> ==1 & inrange(wave,5,7)
(1,369 real changes made)

1519replace an2011wgt=old_an2011wgt*2230480/2257969 if inrange(age,85,89) & female
> ==1 & inrange(wave,5,7)
(1,285 real changes made)

1520replace an2011wgt=old_an2011wgt*1382160/1329677 if inrange(age,90,150) & femal
> e==1 & inrange(wave,5,7)
(1,240 real changes made)

1521
1522label var anfinwgt "Updated Analytic Weights"

1523label var an2011wgt "Updated 2011 Analytic Weight for Rds 5+"

1524
1525notes anfinwgt : r*anfinwgt0

1526notes anfinwgt : Analytic final weight, post-stratified to most recent sample
> frame as in the technical paper

1527notes anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-7
> header

1528notes anfinwgt : "_"

1529notes anfinwgt : Freedman, VA and BC Spillman. Making National Estimates... NH
> ATS Technical Paper#17.

1530
1531notes an2011wgt : r*an2011wgt0

1532notes an2011wgt : Analytic final weight, post-stratified to most 2011 sample f
> rame as in the technical paper

1533notes an2011wgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-7
> header

1534notes an2011wgt : "_"

1535notes an2011wgt : Freedman, VA and BC Spillman. Making National Estimates... N
> HATS Technical Paper#17.

```

```

1536
1537notes old_anfinwgt : r*anfinwgt0

1538notes old_anfinwgt : Original analytic weight

1539notes old_anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Ste
> p-7 header

1540notes old_anfinwgt : "_"

1541notes old_anfinwgt : Freedman, VA and BC Spillman. Making National Estimates..
> . NHATS Technical Paper#17.

1542
1543notes old_an2011wgt : r*an2011wgt0

1544notes old_an2011wgt : Original analytic weight for 2011 sample frame

1545notes old_an2011wgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-7 header

1546notes old_an2011wgt : "_"

1547notes old_an2011wgt : Freedman, VA and BC Spillman. Making National Estimates.
> .. NHATS Technical Paper#17.

1548
1549
1550/*Add notes for raw variables or variables that were created in earlier header
> s*/
1551notes varstrat : r*varstrat

1552notes varunit : r*varunit

1553notes wave : "_"

1554notes wave : Wave assigned to round number

1555notes wave : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-1 head
> er

1556notes proxy_ivw : is*resptype

1557notes proxy_ivw : Is the interview a proxy? 1=yes

1558notes proxy_ivw : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3
> header

1559notes age : r*dintvwrage r*ddeathage

1560notes age : Age at interview if living or death if LML

1561notes age : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 heade
> r

1562notes female : r*dgender

1563notes female : "_"

1564notes female : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 he
> ader

```

1565notes educ_hs_ind : el*higstschl
1566notes educ_hs_ind : Completed HS+ (includes GED)
1567notes educ_hs_ind : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step
> -3 header
1568notes white : rl*dracehisp
1569notes white : Non-Hispanic White
1570notes white : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 hea
> der
1571notes black : rl*dracehisp
1572notes black : Non-Hispanic Black
1573notes black : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 hea
> der
1574notes hisp : rl*dracehisp
1575notes hisp : Any Hispanic
1576notes hisp : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 head
> er
1577notes other_race : rl*dracehisp
1578notes other_race : Any non-White, non-Black, non-Hispanic race
1579notes other_race : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-
> 1 header
1580notes medicaid : ip*cmedicaid
1581notes medicaid : "_"
1582notes medicaid : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3
> header
1583notes medigap : ip*mgapmedsp
1584notes medigap : "_"
1585notes medigap : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-3 h
> eader
1586notes srh_fp : hc*health
1587notes srh_fp : SR health is poor or fair (as opposed to good, v. good, or exce
> llent)
1588notes srh_fp : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Step-4 he
> ader
1589notes adl_eat_help : sc*eathelp
1590notes adl_eat_help : Help eating in the last month

```

1591notes adl_eat_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, Ste
> p-5 header

1592notes adl_bath_help : sc*bathhelp

1593notes adl_bath_help : Help bathing in the last month

1594notes adl_bath_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header

1595notes adl_toil_help : sc*toilhelp

1596notes adl_toil_help : Help toiling in the last month

1597notes adl_toil_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header

1598notes adl_dres_help : sc*dreshelp

1599notes adl_dres_help : Help dresing in the last month

1600notes adl_dres_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl, St
> ep-5 header

1601
1602
1603keep spid old_anfinwgt varstrat varunit wave yearsample r7status r6status r5st
> atus r4status r3status r2status r1status 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 incl1 ///
> 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 tricarcare ///
> 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_osteopr_ever sr_osteopr_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 hospicelml 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_crvovrnutrnrcancer_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 imprelig 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_ins_help adl_ins_diff adl_ins_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 an201lwgt death_* died_12 die
> d_24 *_lml qoc_lml_e

1604
1605
1606saveold "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

1607
1608gen time2d=mofd(nhats_death_date)-mofd(ivw_date)
(39,184 missing values generated)

1609
1610foreach 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.
1611}
(2,671 missing values generated)
(2,671 missing values generated)

1612
1613capture log close

```