STaTa®
Statistics/Data Analysis

```
--------------------------------------------------------------------------------
        name:  <unnamed>
         log:  E:\nhats\nhats_code\NHATS data setup\logs\6_nhats_cleaning__1_May_2
  > 019.smcl
    log type:  text
   opened on:   1 May 2019, 15:24:32
```

```
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(spid) 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(spid) 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
   -----------------------------------------------------------------------------
```

```
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. // 5/1/2018 P01 Aldridge
37.
38. gen unmet_relg_lml=.
   (47,778 missing values generated)

39. replace unmet_relg_lml=1 if relg==2
   (994 real changes made)

40. replace unmet_relg_lml=0 if relg==1
   (945 real changes made)

41.
42. // 3/21/2019--Adding LM questions from LML interview section, P01 Aldridge
43.
44. gen qoc_lml_e=.
   (47,778 missing values generated)

45. replace qoc_lml_e=1 if ratecare==1
   (1,317 real changes made)

46. replace qoc_lml_e=0 if inrange(ratecare,2,5)
   (1,259 real changes made)

47. note qoc_lml_e: ratecare (1=1)
```

```
48. note qoc_lml_e: Quality of Care rated as excellent. Coming from LM11 (Waves 2+
  > )

49. note qoc_lml_e: Located in NHATS Setup, under Part 7.

50. note qoc_lml_e: Updated: 4/16/19-MH Created: 3/21/19-MH

51. /*
  > gen qoc_lml=ratecare
  > replace qoc_lml=. if inlist(ratecare,-8,-7,-1,6)
  > */
52.
53. 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)

54. note unmet_pain_lml: pain painhlp painhlpam

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

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

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

58.
59. note unmet_bre_lml: bre brehlp brehlpam

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

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

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

63.
64. note unmet_sad_lml: sad sadhlp sadhlpam

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

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

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

68.
69. 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)
```

```
70.
71. note respect_lml: respect

72. note respect_lml: Not always treated with respect. Coming from LM7 (Waves 2+)

73. note respect_lml: Located in NHATS Setup, under Part 7.

74. note respect_lml: Updated: 4/16/19-MH Created: 3/21/19-MH

75.
76. note informed_lml: informed

77. note informed_lml: Family not always informed for individuals condition. Comin
  > g from LM8 (Waves 2+)

78. note informed_lml: Located in NHATS Setup, under Part 7.

79. note informed_lml: Updated: 4/16/19-MH Created: 3/21/19-MH

80.
81. 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)

82.
83. note caredecis_lml: caredecis

84. note caredecis_lml: Inadequate input about care decisions. Coming from LM4 (Wa
  > ves 2+)

85. note caredecis_lml: Located in NHATS Setup, under Part 7.

86. note caredecis_lml: Updated: 4/16/19-MH Created: 3/21/19-MH

87.
88. note carenowan_lml: carenowan

89. note carenowan_lml: Care not consistent with goals. Unwanted Care. Coming from
  >  LM5 (Waves 2+)

90. note carenowan_lml: Located in NHATS Setup, under Part 7.

91. note carenowan_lml: Updated: 4/16/19-MH Created: 3/21/19-MH

92.
93.
94. //1/28/2019-Advance Care Planning based off of Ornstein instructions
95.
96. gen no_acp=0

97. replace no_acp=1 if inlist(eoltalk, 2, -8, -7) & inlist(poweratty, 2, -7, -8)
  > & inlist(livngwill, 2, -7, -8)
  (580 real changes made)
```

```
98. 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)

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

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

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

102 note no_acp: Created: 1/28/19-MH

103
104 gen formal_acp=0

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

106 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)

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

108 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.

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

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

111
112 gen informal_acp=0

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

114 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)

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

116 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.

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

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

119
120 gen acp=0
```

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

122 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)

123 note acp: Only in Rd2. eoltalk=1 & (poweratty=1 | livingwill=1)

124 note acp: Having ACP means having both Formal and Informal ACP.

125 note acp: Located in NHATS Setup, under Part 7.

126 note acp: Created: 1/28/19-MH

127
128
129 label var no_acp "No Advance care planning, 1=yes"

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

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

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

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

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

135
136
137 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
```

138
139 // 8/10/2018 Add in 2011 weight for rd 5,6
140 rename an2011wgt0 an2011wgt

141 label var an2011wgt "2011 weights"

142 note an2011wgt: an2011wgt0

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

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

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

146
147
148 rename trfinwgt0 trfinwgt

149 rename tr2011wgt0 tr2011wgt

150
151 //Add in 7/3/18
152
153 foreach w in 1 5{
  2.   replace serarmfor=1 if serarmfor==1 & wave==`w'
  3.   replace serarmfor=0 if serarmfor==2 & wave==`w'
  4.   replace serarmfor=. if serarmfor==-7 & wave==`w'
  5.   replace serarmfor=. if serarmfor==-8 & wave==`w'
  6. }
 (0 real changes made)
 (5,740 real changes made)
 (7 real changes made, 7 to missing)
 (74 real changes made, 74 to missing)
 (0 real changes made)
 (5,661 real changes made)
 (4 real changes made, 4 to missing)
 (185 real changes made, 185 to missing)

154 label var serarmfor "Served in Armed Forces"

155 sort spid wave

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

157 notes drop serarmfor
    (1 note dropped)
```

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

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

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

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

162
163
164 //Add in 4/6/18
165 label var dresslf "Often you Dress Yourself"

166
167 label var dresdif "Difficulty when using Special Items by Self"

168
169 label var ntlvrmslp "Often had to Stay in Bed"

170
171 label var eatdev "Ever use Adapted Utensils"

172
173
174 ////// 4/2/2018--Adding in income quartile
  > sort wave

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

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

177
178 forvalues w=1/$w{
    2. drop income_quart`w'
    3. }

179
180 note income_quart: Use aveincome to create variable.

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

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

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

184
185 label var income_quart "Quartile of Income"

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

187 label values income_quart income_quart

188
189 ///// 3/26/18 --Adding in Hospice and place died variables.
  >
190 label var placedied "Place of Death"
```

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

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

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

194 note placedied: Place died variable from LML interview.

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

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

197
198 replace hospice2=. if inlist(hospice2,-1,-8)
   (39,325 real changes made, 39,325 to missing)

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

200 note hospice2: Hospice at other place, list.

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

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

203
204 rename hospcelml hospicelml

205 foreach x in hospice1 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)

206
207 note hospice1: hospice1 variable (0=2) (.=-1,-8)

208 note hospice1: Hospice at Nursing Home.

209 note hospice1: Located in NHATS Setup, under Part 7.

210 note hospice1: Created: 3/26/18-MH

211
212 note hospicelml: hospicelml variable (0=2) (.=-1,-8)

213 note hospicelml: Hospice at other place, list.

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

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

216
217 label var hospice1 "Hopsice at Nursing Home"

218 label var hospice2 "Hospice Other Place"
```

```
219 label var hospicelml "Hospice Care in Last Month"

220
221
222 ///// 3/14/18 --Adding in Frailty underlying series
  >
223 //activities done twice (grip test, walk test..)
224
225 forvalues i=1/2{
    2. capture drop gripsc`i'
    3. rename grp`i'rdng gripsc`i'
    4. rename wlkc`i'secs walksec`i'
    5. rename wlk`i'hndr walkhndr`i'
    6.
226 replace gripsc`i'=. if inlist(gripsc`i', -1, -9, -7, -8)
    7. replace walksec`i'=. if inlist(walksec`i', -1, -9, -7, -8)
    8. replace walkhndr`i'=. if inlist(walkhndr`i', -1, -9, -7, -8)
    9. }
  (12,833 real changes made, 12,833 to missing)
  (12,985 real changes made, 12,985 to missing)
  (13,083 real changes made, 13,083 to missing)
  (12,915 real changes made, 12,915 to missing)
  (13,044 real changes made, 13,044 to missing)
  (13,142 real changes made, 13,142 to missing)

227
228 label var gripsc1 "GRP1 Display Reading"

229 label var gripsc2 "GRP2 Display Reading"

230 label var walksec1 "Secs Hld Walking Course1"

231 label var walksec2 "Secs Hld Walking Course2"

232 label var walkhndr1 "Hnrds Hld Walking Course1"

233 label var walkhndr2 "Hnrds Hld Walking Course2"

234
235 foreach y in gripsc walksec walkhndr{
    2. foreach x in 1 2{
    3. note `y'`x': `y'`x' (.=-1,-7,-8,-9)
    4.
236 if "`y'"=="gripsc"{
    5. note gripsc`x': Grip Strength `x' Reading
    6. }
    7. else if "`y'"=="walksec"{
    8. note walksec`x': Walking Course Completion in Seconds place `x' Reading
    9. }
   10. else if "`y'"=="walkhndr"{
   11. note walkhndr`x': Walking Course Completion Hundredths place `x' Reading
   12. }
   13. note `y'`x': Located in NHATS Setup, under Part 7.
   14. note `y'`x': Created: 3/14/18-MH
   15. }
   16. }

237
238
239 foreach x in origwksc nhatswksc nhatsgrav nhatsgrb{
    2. capture drop `x'
    3. gen `x'=.
    4. replace `x'=d`x' if  inlist( d`x', 0, 1, 2, 3, 4)
    5. }
  (47,778 missing values generated)
  (39,737 real changes made)
  (47,778 missing values generated)
  (39,737 real changes made)
  (47,778 missing values generated)
  (39,619 real changes made)
  (47,778 missing values generated)
  (39,619 real changes made)
```

```
240
241 label var origwksc "Original Walk Score"

242 label var nhatswksc "NHATS Walk Score"

243 label var nhatsgrav "NHATS Avg. Grip Score"

244 label var nhatsgrb "NHATS Best Grip Score"

245
246 foreach x in origwksc nhatswksc nhatsgrav nhatsgrb{
    2. note `x': d`x' (.=-1,-9)
    3.
247 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.
248 }

249
250 local a lst10pnds trytolose

251 local b evrgowalk vigoractv

252
253 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)

254
255
256 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)
```

```
257
258 note lst10pnds: Lost 10 Pounds in Last Year (Y/N)

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

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

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

262
263 foreach x in `a' `b'{
    2. note `x': Located in NHATS Setup, under Part 7.
    3. note `x': Created: 04/05/18-MH
    4. }

264
265 label var lst10pnds "Lost 10 Pounds in Last Yr."

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

267 label var evrgowalk "Ever Go Walking for Exercise"

268 label var vigoractv "Ever Vigorous Activities"

269
270 capture drop unwgtloss lowphysact

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

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

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

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

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

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

277
278 label var unwgtloss "Unintentional Weight Loss"

279 label var lowphysact "Low Physical Activity"

280
281 note unwgtloss: Created from lst10pnds and trytolose, if lst10pnds is yes and
  > trytolose is no.

282 note unwgtloss: Unintentional Weight Loss

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

284 note lowphysact: Low Physical Activity
```

```
285
286 replace lowenergy=. if inlist(lowenergy, -9, -8, -7, -1)
   (5,770 real changes made, 5,770 to missing)

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

288 label var lowenergy "Low Energy in Last Month"

289
290 note lowenergy: lowenergy is (.=-9,-8,-7,-1) (0=2) (1=1)

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

292
293 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. }

294
295 ///// 3/7/18 --Adding in Well-Being questions
  > /// Inapplicable is people who have no interview, had a proxy, or died. turned
  >  to missing.
  >
296 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)

297 drop wbq44

298
299 note wbq11: Often

300
301 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)

302
303
304 label var wbq11 "Often you Feel Cheerful"

305 rename wbq11 oftcheer

306 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"

307 label values oftcheer oftcheer

308 label var wbq12 "Often you Feel Bored"

309 rename wbq12 oftbored

310 label values oftbored oftcheer

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

312 rename wbq13 oftfol

313 label values oftfol oftcheer

314 label var wbq14 "Often you Feel Upset"

315 rename wbq14 oftupset

316 label values oftupset oftcheer

317
318 note drop oftcheer in 1
    (1 note dropped)
```

```
319 note renumber oftcheer

320
321 forvalues i=1/4 {
     2. replace wbq2`i'=1 if truestme`i'==3
     3. replace wbq2`i'=2 if truestme`i'==2
     4. replace wbq2`i'=3 if truestme`i'==1
     5. replace wbq2`i'=4 if (truestme`i'==-7 | truestme`i'==-8)
     6. note wbq2`i': truestme`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)

322
323
324 label var wbq21 "Life has Meaning Purpose"

325 rename wbq21 lifemean

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

327 label values lifemean lifemean

328 label var wbq22 "Feels Confident"

329 rename wbq22 confident

330 label values confident lifemean

331 label var wbq23 "Gave up Improving Life"
```

```
332 rename wbq23 giveup

333 label values giveup lifemean

334 label var wbq24 "Likes Living Situation"

335 rename wbq24 livingsit

336 label values livingsit lifemean

337
338
339 forvalues i=1/3 {
  2. replace wbq4`i'=1 if agrwstmt`i'==3
  3. replace wbq4`i'=2 if agrwstmt`i'==2
  4. replace wbq4`i'=3 if agrwstmt`i'==1
  5. replace wbq4`i'=4 if (agrwstmt`i'==-7 | agrwstmt`i'==-8)
  6. note wbq4`i': truestme`i' (1=3) (2=2) (3=1) (4=-7,-8)
  7. if `i'==1{
  8. note wbq4`i': Other people determine most of what I can and cannot do (wb)
  9. }
 10. else if `i'==2{
 11. note wbq4`i': When I really want to do something, I usually find a way to d
 > o it. (wb)
 12. }
 13. else if `i'==3{
 14. note wbq4`i': I have an easy time adjusting to change.   (wb)
 15. }
 16. note wbq4`i': Located in NHATS Setup, under Part 7.
 17. note wbq4`i': Created: 04/05/18-MH
 18. }
(26,335 real changes made)
(7,963 real changes made)
(4,109 real changes made)
(804 real changes made)
(562 real changes made)
(3,679 real changes made)
(34,316 real changes made)
(654 real changes made)
(4,523 real changes made)
(13,508 real changes made)
(20,398 real changes made)
(782 real changes made)

340
341
342 label var wbq41 "Self Determination"

343 rename wbq41 selfdeter

344 label values selfdeter lifemean

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

346 rename wbq42 findway

347 label values findway lifemean

348 label var wbq43 "Easily Adjust to Change"
```

```
349 rename wbq43 adjchg

350 label values adjchg lifemean

351
352
353 capture drop agefeel

354 egen agefeel= rowmax(ageyofeel)

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

356 label var agefeel "Age you Feel Most Times"

357
358 note agefeel: From ageyofeel

359 note agefeel: Age you feel most of the time

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

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

362
363 ///// 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
364
365 local ew mealskip1 nopayhous nopayutil nopaymed

366
367 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)
```

```
368
369
370 label var mealskip1 "No Money, Meals Skipped"

371 label var nopayhous "No Money for Housing"

372 label var nopayutil "No Money for Utilities"

373 label var nopaymed "No Money for Medical"

374
375 label define mealskip 0 "No" 1 "Yes"

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

```
377 rename mealskip1 mealskip

378
379 gen mealskipnum=.
    (47,778 missing values generated)

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

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

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

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

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

385
386
387 label var mealskipnum "How Often Meals Skipped"

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

389 label values mealskipnum mealskipnum1

390
391 note mealskipnum: mealskip2 mealskip1 (0=mealskip2 -1 & mealskip1 0) (1=4) (2=
  > 3) (3=2) (4=1)

392 note mealskipnum: How often are meals skipped

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

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

395
396 ///// 12/5/17 --Adding in Cancer
  >
397 // recode hc1cancerty1 (-1 2=0) (-9 -8 =.), gen (sr_skincancer_had)
398
399 // From sensitive data, cancerty1 was from non-sensitive
400 //recode cancerty1 (-1 2=0) (-9 -8 =.), gen (sr_skincancer_had)
401 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. 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)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
```

```
402
403 replace sr_skincancer_had=cancerty1 if wave==1
    (8,245 real changes made)

404 replace sr_breastcancer_had=hc1cancerty2 if wave==1
    (8,245 real changes made)

405 replace sr_prostatecancer_had=hc1cancerty3 if wave==1
    (8,245 real changes made)

406 replace sr_bladdercancer_had=hc1cancerty4 if wave==1
    (8,245 real changes made)

407 replace sr_crvovrnutrncancer_had=hc1cancerty5 if wave==1
    (8,245 real changes made)

408 replace sr_coloncancer_had=hc1cancerty6 if wave==1
    (8,245 real changes made)

409 replace sr_kidneycancer_had=hc1cancerty7 if wave==1
    (8,245 real changes made)

410 replace sr_othercancer_had=hc1cancerty8 if wave==1
    (8,245 real changes made)

411
412 forvalues w=4/$w{
  2. replace sr_skincancer_had=cancerty1 if wave==`w'
  3. replace sr_breastcancer_had=hc`w'cancerty2 if wave==`w'
  4. replace sr_prostatecancer_had=hc`w'cancerty3 if wave==`w'
  5. replace sr_bladdercancer_had=hc`w'cancerty4 if wave==`w'
  6. replace sr_crvovrnutrncancer_had=hc`w'cancerty5 if wave==`w'
  7. replace sr_coloncancer_had=hc`w'cancerty6 if wave==`w'
  8. replace sr_kidneycancer_had=hc`w'cancerty7 if wave==`w'
  9. replace sr_othercancer_had=hc`w'cancerty8 if wave==`w'
 10. }
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (4,737 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (8,334 real changes made)
  (7,276 real changes made)
  (7,276 real changes made)
  (7,276 real changes made)
  (7,276 real changes made)
  (7,276 real changes made)
  (7,276 real changes made)
  (7,276 real changes made)
  (7,276 real changes made)
  (6,312 real changes made)
  (6,312 real changes made)
  (6,312 real changes made)
  (6,312 real changes made)
  (6,312 real changes made)
  (6,312 real changes made)
  (6,312 real changes made)
  (6,312 real changes made)
```

```
413
414 local r=1

415 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)

416
417 label var sr_skincancer_had "Sensitive: Skin Cancer"

418 label var sr_breastcancer_had "Sensitive: Breast Cancer"
```

```
419 label var sr_prostatecancer_had "Sensitive: Prostate Cancer"

420 label var sr_bladdercancer_had "Sensitive: Bladder Cancer"

421 label var sr_crvovrnutrncancer_had "Sensitive: Cervical/Ovarian/Uterine Cancer
  > "

422 label var sr_coloncancer_had "Sensitive: Colon Cancer"

423 label var sr_kidneycancer_had "Sensitive: Kidney Cancer"

424 label var sr_othercancer_had "Sensitive: Other Cancer"

425
426 //recoding all refuse, dk, na, as missing
427 qui destring *, replace

428 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)
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(0 real changes made)
(35 real changes made, 35 to missing)
(0 real changes made)
(0 real changes made)
(165 real changes made, 165 to missing)
(0 real changes made)
(0 real changes made)
(42 real changes made, 42 to missing)
(0 real changes made)
(28 real changes made, 28 to missing)
(0 real changes made)
(0 real changes made)
(42 real changes made, 42 to missing)
(0 real changes made)
(0 real changes made)
(32 real changes made, 32 to missing)
(0 real changes made)
(0 real changes made)
(122 real changes made, 122 to missing)
(0 real changes made)
(0 real changes made)
(19 real changes made, 19 to missing)
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(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(60 real changes made, 60 to missing)
(114 real changes made, 114 to missing)
(18 real changes made, 18 to missing)
(142 real changes made, 142 to missing)
(0 real changes made)
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(0 real changes made)
(7,783 real changes made, 7,783 to missing)
(8,953 real changes made, 8,953 to missing)
(11,505 real changes made, 11,505 to missing)
(14,691 real changes made, 14,691 to missing)
(9,248 real changes made, 9,248 to missing)
(12,214 real changes made, 12,214 to missing)
(0 real changes made)
```

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

429
430
431 //how do you get to the doctor?
432 gen howgetdoc=.
    (47,778 missing values generated)

433 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)
```

```
434 note howgetdoc: hwgtredd# used to create variable

435 note howgetdoc: How did you get a ride to the doctor; transportati
  > on method

436 note howgetdoc: Located in NHATS Setup, under Part 7.

437 note howgetdoc: Created: 04/05/18-MH

438
439 label define howgetdoc 1 "Drove" 2 "Got a Ride" 3 "Van/Shuttle fro
  > m place lives" ///
  > 4 "Van/Shuttle for seniors & disabled" 5 "Pulic transit" 6 "Taxi"
  > 7 "Walked" ///
  > 8 "Home visit" 9 "Other" 0 "Did not See Doctor" 10 "Refused/DK"

440 label values howgetdoc howgetdoc

441
442
443 //note 11/14/17--add importance of activities
444 gen ind_imp_visit=.
  (47,778 missing values generated)

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

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

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

448
449 replace ind_imp_visit=inlist(impvstfam,1,2)
  (47,778 real changes made)

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

451 replace ind_imp_club=inlist(imparclub,1,2)
  (47,778 real changes made)

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

453
454 note ind_imp_visit: impvstfam (1=1,2) (0=3)

455 note ind_imp_visit: Very/somewhat important to visit friends/famil
  > y in person

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

457 note ind_imp_relig: Very/somewhat important to attend religious se
  > rvices

458 note ind_imp_club: imparclub (1=1,2) (0=3)

459 note ind_imp_club: Very/somewhat important to participate in clubs
  > , classes, or other organized activities.
```

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

461 note ind_imp_goout: Very/somewhat important to go out for enjoymen
  > t

462
463 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. }

464
465 label var ind_imp_visit "Very/somewhat important to visit in perso
  > n with friends/family"

466 label var ind_imp_relig "Very/somewhat important to attend religio
  > us services"

467 label var ind_imp_club "Very/somewhat important to participate in
  > clubs, classes, etc."

468 label var ind_imp_goout "Very/somewhat important to go out for enj
  > oyment"

469
470
471 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)

472
473 label var device_out "Uses any assistive device for mobility outsi
  > de"

474 label var device_ins "Uses any assistive device for mobility insid
  > e"

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

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

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

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

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

480
481 /*
  > foreach x in eat bath toil dres {
  >         gen device_`x'=.
  >         label var device_`x' "Uses assistive device for `x'ing"
  > }
  > */
```

```
482
483 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)

484
485 /*
  > foreach x in eat bath toil dres {
  >         replace device_`x'=d`x'devi==2 if inlist(d`x'devi,1,2)
  > }
  > */
486 replace device_bath=0 if dbathdevi==9
  (17,217 real changes made)

487
488
489 gen device_any=0

490 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)
```

```
491 note device_any: Derived using device_ variables. 1 is any device
  > used.

492 note device_any: Any devices used for ADL's.

493 note device_any: Located in NHATS Setup, under Part 7.

494 note device_any: Created: 04/05/18-MH

495
496 label var device_any "Uses any assistive device for ADLs"

497
498 rename drives dtdrives //a drive flag exists in nhats

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

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

502
503 label var drives "Drives"

504
505 note drives: oftedrive (1=1,2,3,4) (0=5)

506 note drives: Did you ever drive.

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

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

509
510 gen avoids=.
  (47,778 missing values generated)

511 replace avoids=0 if oftedrive>0 & oftedrive!=5 & avoidriv1==2 & av
  > oidriv2==2 & avoidriv4==2
  (16,750 real changes made)

512
513 local avoids avoidriv1 avoidriv2 avoidriv4

514
515 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)

516
517 label var avoids "Avoids driving alone/at night/in weather*"
```

```
518
519 note avoids: oftedrive avoidriv1 avoidriv2 avoidriv4

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

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

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

523
524 gen miss=0

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

526
527 replace ind_transp_disadv=0 if oftedrive==. | inlist(oftedrive,5,6
  > )
   (19,187 real changes made)

528 local probs trkpfrvis trprrelsr trprkpfgr trprgoout

529 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)

530
531 replace ind_transp_disadv=0 if !miss & missing(ind_transp_disadv)
   (0 real changes made)

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

533 label var ind_transp_disadv "Any transportation disadvantage"

534 drop miss

535
536 note ind_transp_disadv: oftedrive trkpfrvis trprrelsr trprkpfgr tr
  > prgoout
```

```
537 note ind_transp_disadv: Indicate any transportation disadvantage

538 note ind_transp_disadv: Located in NHATS Setup, under Part 7.

539 note ind_transp_disadv: Created: 04/05/18-MH

540
541 local lab1 Walked

542 local lab2 Got ride

543 local lab3 Van or shuttle provided by place of residence

544 local lab4 Van or shuttle for seniors

545 local lab5 Public transportation

546 local lab6 Taxi

547 local lab7 Other

548 local l=1

549
550 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)

551
552 replace getoplcs3=0 if !missing(getoplcs7) & missing(getoplcs3)
  (35,030 real changes made)

553 forvalues x=1/7  {
    2.         replace get_places`x'=getoplcs`x'==1
    3.         replace get_places`x'=. if (inlist(getoplcs7,-1,.) | ge
  > toplcs`x'==.)
    4.         label var get_places`x' "Get places: `lab`x''"
    5.         note get_places`x': getoplcs`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.
554 }
  (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)
```

```
555
556 //marital status-3 vars: married, married_or_partnered
557
558 gen married=maritalstat==1 if maritalstat!=. //married
   (5,661 missing values generated)

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

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

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

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

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

564 replace marriedpartnered=1 if maritalstat==2 //living with a partn
   > er
   (822 real changes made)

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

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

567
568 label var married "Married"

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

570 label var marital_sep "Separated"

571 label var marital_div "Divorced"

572 label var marital_wid "Widowed"

573 label var marital_nev "Never married"

574 notes married : martlstat

575 notes married : (Y/N)

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

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

578
579 foreach x in marital_sep marital_div marital_wid marital_nev marri
   > edpartnered 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 cleanup.
 22. note `x': Created: 04/05/18-MH
 23. }

580
581 //lives with spouse
582 gen resspouse=.
  (47,778 missing values generated)

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

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

585
586 label var resspouse "Lives with Spouse/Partner"

587 notes resspouse : livwthspo martlstat

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

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

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

591
592 //household members
593 gen hhm=.
  (47,778 missing values generated)

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

595
596 label var hhm "Number of household members"

597 notes hhm : dhshldnum

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

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

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

601
602 //age categorical
603
604 sort spid wave

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

606 label var age "Sensitive: age"

607
```

```
608 gen agecat = .
    (47,778 missing values generated)

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

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

611 label values agecat d2intvrage

612 label var agecat "Age, 5 yr categories"

613
614 notes agecat : d2intvrage (same)

615 notes agecat : Age cateory 65-59, 70-74, 75-79, 80-84, 85-89, 90+

616 notes agecat : Located in NHATS Setup, under Part 7.

617 notes agecat : Updated: 04/09/19-MH

618
619 //activities past month
620
621 gen attrelig=. //attend services
    (47,778 missing values generated)

622 gen imprelig=. //importance of religious services
    (47,778 missing values generated)

623 gen visitfrfam=. //visit fr. fam.
    (47,778 missing values generated)

624 gen impvisit=. //importance of visiting friends & fam
    (47,778 missing values generated)

625 gen attclub=. //participate in club, organized activity, class, et
  > c.
    (47,778 missing values generated)

626 gen impclub=. //importance of such activities
    (47,778 missing values generated)

627 gen vigact=vigoractv //vigorous activities
    (5,684 missing values generated)

628
629
630 replace attrelig=attrelser==1 if attrelser>0
    (47,778 real changes made)

631 replace imprelig=imprelser if imprelser>0
    (41,951 real changes made)

632 replace visitfrfam=vistfrfam==1 if vistfrfam>0
    (47,778 real changes made)

633 replace impvisit=impvstfam if impvstfam>0
    (41,966 real changes made)
```

```
634 replace attclub=clbmtgrac==1 if clbmtgrac>0
   (47,778 real changes made)

635 replace impclub=imparclub if imparclub>0
   (41,995 real changes made)

636 //replace vigact=vigoractv==1 if vigoractv>0
637
638
639 gen religvimp=imprelig==1 if imprelig!=. //very important binary
   (5,827 missing values generated)

640
641 label var attrelig "Past mo. Attend religious services"

642 label var imprelig "Importance of religious services"

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

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

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

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

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

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

649
650 label values imprelig pa1imprelser

651 label values impvisit pa1impvstfam

652 label values impclub pa1imparclub

653
654 notes attrelig : attrelser (same)

655 notes attrelig : Ever attend religious services

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

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

658
659 notes imprelig : imprelser (same)

660 notes imprelig : How important are religious services, very, somew
  > hat, or not so important.

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

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

663
664 notes visitfrfam : visfrfam (same)

665 notes visitfrfam : Ever visit in person with friends or family, no
  > t living with.
```

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

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

668
669 notes impvisit : impvstfam (same)

670 notes impvisit : How important to visit in person with friends or
  > family not living with.

671 notes impvisit : Located in NHATS Setup, under Part 7.

672 notes impvisit : Updated: 04/09/19-MH

673
674 notes attclub : clbmtgrac (same)

675 notes attclub : Ever participate in clubs, classes, or other organ
  > ized activites.

676 notes attclub : Located in NHATS Setup, under Part 7.

677 notes attclub : Updated: 04/09/19-MH

678
679 notes vigact : vigoractv (same)

680 notes vigact : Ever spend time on vigorous activites that increase
  > d heart rate. ///
  > Working out, swimming, running, biking, or any sport.

681 notes vigact : Located in NHATS Setup, under Part 7.

682 notes vigact : Updated: 04/09/19-MH

683
684
685 //smokin'
686 gen smokedever=.
  (47,778 missing values generated)

687 gen smoke_start_age=.
  (47,778 missing values generated)

688 gen smoke_stop_age=.
  (47,778 missing values generated)

689
690 forvalues i=1(4)5 {
    2.          replace smokedever=smokedreg==1 if wave==`i' & smokedre
  > g>0
    3.          replace smoke_start_age=agesrtsmk if wave==`i' & agesrt
  > smk>0
    4.          replace smoke_stop_age=agelstsmk if wave==`i' & agelsts
  > mk>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)
```

```
691
692 sort spid wave

693 by spid: carryforward smokedever smoke_start_age smoke_stop_age, r
  > eplace
  smokedever:  (31199 real changes made)
  smoke_start_age:  (16124 real changes made)
  smoke_stop_age:  (13794 real changes made)

694 notes drop smokedever smoke_start_age smoke_stop_age
    (3 notes dropped)

695 rename smokesnow smokesnow_old

696
697 notes smokedever: smokedreg

698 notes smokedever: Only in rounds 1,5. Ever smoke cigarettes regula
  > rly.

699
700 notes smoke_start_age: agesrtsmk

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

702
703 notes smoke_stop_age: agelstsmk

704 notes smoke_stop_age: How old when last smoked cigarettes regularl
  > y.

705
706 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. }

707
708 gen smokesnow=.
  (47,778 missing values generated)

709 //Numcigever asked differently in rounds 1,5 then in other rounds.
  >  (Do you/ Did you)
710 //Wanted to see the num. of cigs. smoked by non-smokers.
711 by spid, sort: egen numcigsever=max(numcigday) if inlist(wave,1,5)
  >  & smokesnow_old==2
  (41599 missing values generated)

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

713
714 notes drop numcigsever
    (1 note dropped)

715
716 notes numcigsever: numcigday

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

```
718
719 gen numcigsnow=.
   (47,778 missing values generated)

720
721 replace smokesnow=smokesnow_old==1 if smokesnow_old>0
   (47,778 real changes made)

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

723
724 replace smokedever=1 if smokesnow==1
   (512 real changes made)

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

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

727
728 notes smokesnow: smokedever

729 notes smokesnow:
    (no note added)

730
731
732 label var smokedever "Ever smoked"

733 label var smokesnow "Smokes now"

734 label var numcigsever "Max number of cigarettes/day when smoked fo
  > r current non-smokers"

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

736 label var smoke_start_age "Age started smoking"

737 label var smoke_stop_age "Age stopped smoking"

738
739 notes numcigsever: Located in NHATS Setup, under Part 7.

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

741
742 //pain
743 gen ind_pain=.
   (47,778 missing values generated)

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

745 label var ind_pain "Bothered by pain"

746
747 notes ind_pain: painbothr
```

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

749 //weight
750
751 gen wgt_curr=.
   (47,778 missing values generated)

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

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

754
755 replace wgt_curr=currweigh if currweigh>0
   (41,141 real changes made)

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

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

758
759 label var wgt_curr "Current weight, lbs."

760 label var height_ft "Current height, feet"

761 label var height_in "Current height, inches"

762
763 notes wgt_curr: currweigh

764 notes wgt_curr: Current Weight in pounds.

765 notes height_ft: howtallft

766 notes height_ft: How tall in feet.

767 notes height_in: howtallin

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

769
770 gen bmi=(wgt_curr/((height_ft*12+height_in)^2))*703
   (11,007 missing values generated)

771
772 label var bmi "Current BMI"

773
774 notes bmi: wgt_curr height_ft height_in

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

776
777 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. }
```

```
778
779 //get the per round weight, cluster, and strata vars (and why is m
  > oved created like that?)
780 //gen moved=.
781 rename varunit varunit
    (all newnames==oldnames)

782 rename varstrat varstrat
    (all newnames==oldnames)

783 rename anfinwgt0 anfinwgt

784
785 /*
  > 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
  > }
  > */
786 label var moved "Moved since last ivw"

787
788 *****************************************
789 /*these are taken from Rebecca's code*/
790
791 gen community_dwelling = 0

792 gen SP_completed = 0

793 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) | (inl
  > ist(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)

794 notes community_dwelling: dresid = 1,2

795 notes community_dwelling: In the community.

796
797 gen nhres=dresid==4 if dresid!=. & wave==1
  (39,533 missing values generated)
```

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

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

800 gen sp_status=1

801 gen deceased=0

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

803 label var prob_dem "Indicator probable dementia"

804
805 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)

806
807 note nhres : dresid

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

809 notes nhres : E:\nhats\nhats\code\NHATS data setup\NHATS_Setup, st
  > ep-7 header

810
811 notes rcfres: dresid (2,3)

812 notes rcfres: Residential Care, excluding Nursing Home.
```

```
 813
 814 notes res_care: dresid (2-8)

 815 notes res_care: Residential Care, excluding Nursing Home.

 816
 817 notes deceased: status 62 68

 818 notes deceased: Died after round 1

 819
 820 notes prob_dem: dem_cat_3, sr_dementia_ever

 821 notes prob_dem: Probable Dementia.

 822
 823 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. }

 824
 825
 826 replace sp_status=2 if res_care==1
   (5,953 real changes made)

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

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

 829 label var sp_status "Residential status"

 830 label var nhres "Nursing Home Resident"

 831 label var rcfres "Residential Care, excl. NH"

 832 label var res_care "Residential Care, incl. NH"

 833 label define sp_status 1 "Non-res care community" 2 "Res-care not
   > NH" 3 "NH resident" ///
   > 4 "Deceased"

 834 label values sp_status sp_status

 835
 836 //these ADL variables were missing previously
 837 gen adl_ins_help = .
   (47,778 missing values generated)

 838 gen adl_ins_diff=.
   (47,778 missing values generated)

 839 gen adl_ins_not_done=.
   (47,778 missing values generated)

 840
 841 replace adl_ins_help=1 if insdhlp==1
   (5,334 real changes made)
```

```
842 replace adl_ins_help=0 if insdhlp==2
   (38,745 real changes made)

843 replace adl_ins_help=0 if insdhlp==-1 & sp_ivw==1
   (0 real changes made)

844 replace adl_ins_help=-7 if insdhlp==-7
   (0 real changes made)

845 replace adl_ins_help=-8 if insdhlp==-8
   (0 real changes made)

846 replace adl_ins_diff=0 if insddif==1
   (33,656 real changes made)

847 replace adl_ins_diff=1 if insddif>1
   (14,122 real changes made)

848 replace adl_ins_diff=0 if insddif==-1 & sp_ivw==1
   (0 real changes made)

849 replace adl_ins_diff=-7 if insddif==-7
   (0 real changes made)

850 replace adl_ins_diff=-8 if insddif==-8
   (0 real changes made)

851 replace adl_ins_not_done=inlist(dinsdsfdf,1,8)
   (47,778 real changes made)

852
853
854 *replace adl_ins_dif=1 if adl_ins_help==1
855 label var adl_ins_help "Received help getting around inside"

856 notes adl_ins_help : insdhlp

857 notes adl_ins_help : Anyone help you get arounbd inside house

858 notes adl_ins_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Se
  > tup, step-7 header

859
860 notes adl_ins_diff: insddif

861 notes adl_ins_diff: How much difficulty getting around inside.

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

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

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

865
866 replace adl_bed_help=1 if bedhlp==1
   (4,585 real changes made)
```

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

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

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

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

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

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

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

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

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

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

877
878 label var adl_bed_help "Received help getting out of bed"

879 *replace adl_bed_diff=1 if adl_bed_help==1
880 notes adl_bed_help : mo*bedhlp

881 notes adl_bed_help : "_"

882 notes adl_bed_help : E:\nhats\nhats\code\NHATS data setup\NHATS_Se
  > tup, step-7 header

883
884
885 //construct date of ivw--use 1st of month for all, because only ha
  > ve mo & yr
886
887 merge 1:1 spid wave using `resttrack', keep(match) nogen

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

888 gen ivw_day=spstatdtdy

889 label define ivw_day 1 "Not provided"

890 label values ivw_day ivw_day
```

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

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

893 forvalues w=1/$w {
   2.          replace ivw_month=r`w'spstatdtmt if wave==`w'
   3.          replace ivw_month=r`w'fqstatdtmt if wave==`w' & r`w'sps
 > tatdtmt==.
   4.          replace ivw_year=r`w'spstatdtyr if wave==`w'
   5.          replace ivw_year=201`w' if wave==`w' & r`w'spstatdtyr==
 > .
   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)

894
895 replace ivw_month=r1fqstatdtmt if wave==1 & ivw_month==.
   (0 real changes made)

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

897
898
899 gen ivw_date=mdy(ivw_month,ivw_day,ivw_year)
   (2,971 missing values generated)

900 format ivw_date %td

901 label var ivw_date "Interview date from restricted tracker"

902
```

```
903 note ivw_date: ivw_month ivw_day ivw_year

904 note ivw_date: Interview date from the restricted file.

905
906 gen ivw_date_sens=mdy(ivw_month,1,ivw_year)

907 format ivw_date_sens %td

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

909
910 note ivw_date_sens: ivw_month ivw_year

911 note ivw_date_sens: Using only month and year, all dates put as fi
  > rst of the month.

912
913 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. }

914
915 /// Changes to Dressing and Eating
  > /*These changes were made because the help variables were not capt
  > uring everyone
  > who may have been impaired for the ADL*/
916 //changes made 5/20/18
917
918        replace adl_dres_help=1 if dresoft==5
  (418 real changes made)

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

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

921
922
923 gen adl_index=0

924 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)

925 *gen adl_index=adl_eat_help+adl_bath_help+adl_toil_help+adl_dres_h
  > elp+adl_ins_help+adl_bed_help
926 replace adl_index=. if adl_index<0
  (0 real changes made)

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

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

929 gen iadl_index=iadl_laun_help+iadl_shop_help+iadl_bank_help+iadl_m
 > eal_help+iadl_meds_help
   (5,848 missing values generated)

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

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

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

933 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. }

934 label var adl_independent "Independent in ADLs"

935 label var adl_impair "Help with 1+ ADL"

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

937
938 foreach x in independent impair index {
   2.          notes adl_`x' : sc*eathlp sc*bathhlp sc*toilhlp sc*dres
 > hlp
   3.          notes adl_`x' : "_"
   4.          notes adl_`x' : E:\nhats\nhats\code\NHATS data setup\NH
 > ATS_Setup, step-7 header
   5. }

939
940 note adl_index: adl_*_help

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

942
943 note adl_independent: adl_index =0

944 note adl_independent: No ADL help for the individual.

945
946 note adl_impair: adl_index >0

947 note adl_impair: ADl help for the individual.

948
949 note iadl_index: iadl_*_help

950 note iadl_index: Number of IADL's needing helped with.

951
952 note iadl_independent: iadl_index =0
```

```
953 note iadl_independent: No IADL help for the individual.

954
955 note iadl_impair: iadl_index >0

956 note iadl_impair: IADl help for the individual.

957
958 label var iadl_independent "Independent in IADLs"

959 label var iadl_impair "Help with 1+ IADL"

960 label var iadl_index "Index of help w/ IADLs"

961
962 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. }

963
964 //addition of variables from Eric's homebound code
965 gen meals_wheels=.
  (47,778 missing values generated)

966 gen noone_talk=.
  (47,778 missing values generated)

967 gen restrnt_takeout=.
  (47,778 missing values generated)

968
969
970 replace meals_wheels=dmealwhl
  (601 real changes made)

971 replace noone_talk=noonetalk
  (2,415 real changes made)

972 replace restrnt_takeout=dmealtkot
  (3,619 real changes made)

973 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)

974
975 notes meals_wheels: dmealwhl

976 notes meals_wheels: Helper is meals on wheels

977
978 notes noone_talk: noonetalk

979 notes noone_talk: No one to talk to
```

```
980
981 notes restrnt_takeout: dmealtkot

982 notes restrnt_takeout: Helper is Restaurant takeout

983
984 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. }

985
986 label var meals_wheels "Meals on wheels"

987 label var noone_talk "SP has no one to talk to"

988 label var restrnt_takeout "Received help with restaurant/takeout"

989 //pull in date of death, constructed from claims and nhats
990 merge m:1 spid using "E:\nhats\data\NHATS CMS DUA 28016\Merged\Sta
  > ta\death_date.dta", nogen

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

991
992 gen died_12=mofd(death_date)-mofd(ivw_date)<=12

993 gen died_24=mofd(death_date)-mofd(ivw_date)<=24

994
995 notes died_12: death_date ivw_date

996 notes died_12: death_date-ivw_date<=12

997
998 notes died_24: death_date ivw_date

999 notes died_24: death_date-ivw_date<=24

1000
1001foreach 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. }

1002
1003//note-the following has been superseded by the death date using c
  > laims
1004/*
  >
  > //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' & !inli
  > st(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 statu
  > s"
  > }*/
```

```
1005
1006//update 8/2/17--pulled in nhats dod to share off server
1007
1008//look at death month & year. don't have, so set date to last of m
  > onth
1009gen dd=.
  (47,778 missing values generated)

1010replace pd2yrdied=pd2yrdied+2010 if pd2yrdied>0
  (998 real changes made)

1011
1012gen nhats_death_day=.
  (47,778 missing values generated)

1013forvalues 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,1,3,5,7,8,1
  > 0,12)
    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'yrdied>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)
```

```
1014
1015by spid, sort: egen nhats_death_date=max(dd)
  (37848 missing values generated)

1016label var nhats_death_date "Sensitive: SP death date, from NHATS (
  > day imputed)"

1017format nhats_death_date %td

1018gen nhats_death_month=month(nhats_death_date)
  (37,848 missing values generated)

1019gen nhats_death_year=year(nhats_death_date)
  (37,848 missing values generated)

1020foreach x in month year {
    2. label var nhats_death_`x' "Sensitive: SP death `x', from NHATS"
    3. }

1021
1022notes nhats_death_date: pdmthdied nhats_death_day pdwyrdied

1023notes nhats_death_date: Death date from sensitive variables.

1024notes nhats_death_date: Located in NHATS Setup, under Part 7.

1025notes nhats_death_date: Updated: 04/11/19-MH

1026
1027drop dd

1028
1029gen eligible_nsoc=fl1dnsoc==1

1030gen completed_nsoc=fl1dnsoccomp>0 if fl1dnsoccomp!=.
  (37,686 missing values generated)

1031gen total_caregiver_comp=fl1dnsoccomp if fl1dnsoccomp>0 & fl1dnsoc
  > comp!=.
  (41,834 missing values generated)

1032gen total_caregiver_elig=fl1dnsoccnt if fl1dnsoccnt>0 & fl1dnsoccn
  > t!=.
  (37,686 missing values generated)

1033label var eligible  "Sensitive: Eligible for NSOC interview, wave
  > 1 tracker"

1034label var complete  "Sensitive: Completed Interview"

1035label var total_caregiver_comp "Sensitive: Total Caregivers that C
  > ompleted Interstatus"

1036
1037notes eligible_nsoc: fl1dnsoc

1038notes eligible_nsoc: Eligible for NSOC

1039
1040notes completed_nsoc: fl1dnsoccomp
```

```
1041notes completed_nsoc: Had an NSOC interview.

1042
1043notes total_caregiver_comp: fl1dnsoccomp

1044notes total_caregiver_comp: Count of caregivers NSOC.

1045
1046notes total_caregiver_elig: fl1dnsoccnt

1047notes total_caregiver_elig: Count of helpers eligible NSOC.

1048
1049foreach x in eligible_nsoc completed_nsoc total_caregiver_comp tot
  > al_caregiver_elig{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1050
1051//adverse consequences of unmet need
1052
1053gen adverse=0

1054forvalues w=1/$w {
    2.           foreach x of varlist launwout shopwout mealwout bankwou
  > t eatwout bathwout 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)

1055label var adverse "Any adverse consequence of unmet need (excludin
  > g mobility)

1056
1057local ha laun shop meal bank

1058local sc eat bath toil dres

1059local mo out insd bed

1060
1061forvalues 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.
1062         }
    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)

1063
1064label var adverse_laun "Ever go w/o clean laundry"

1065label var adverse_shop "Ever go w/o groceries/personal items"

1066label var adverse_meal "Ever go w/o hot meal"

1067label var adverse_bank "Ever go w/o handling bills and banking mat
  > ters"

1068label var adverse_eat "Ever go w/o eating"

1069label var adverse_bath "Ever go w/o showering/bath/washup"

1070label var adverse_toil "Ever go w/o using toilet"

1071label var adverse_dres "Ever go w/o getting dressed"

1072label var adverse_out "Ever go w/o going outside; stayed inside"

1073label var adverse_insd "Ever go w/o moving inside b/c unmet need"
```

```
1074label var adverse_bed "Ever go w/o leaving bed"

1075
1076notes adverse: launwout shopwout mealwout bankwout eatwout bathwou
  > t toilwout dreswout

1077notes adverse: Ever go without doing a task from the list.

1078notes adverse_laun: launwout

1079notes adverse_laun: Ever go without clean laundry, b/c too difficu
  > lt or no one there to help.

1080notes adverse_shop: shopwout

1081notes adverse_shop: Ever go without groceries/personal items, b/c
  > too difficult or no one there to help.

1082notes adverse_meal: mealwout

1083notes adverse_meal: Ever go without hot meal, b/c too difficult or
  >  no one there to help.

1084notes adverse_bank: bankwout

1085notes adverse_bank: Ever go without handling bills and banking mat
  > ters, b/c too difficult or no one there to help.

1086notes adverse_eat: eatwout

1087notes adverse_eat: Ever go without eating, b/c too difficult or no
  >  one there to help.

1088notes adverse_bath: bathwout

1089notes adverse_bath: Ever go without showering/taking a bath/washin
  > g up, b/c too difficult or no one there to help.

1090notes adverse_toil: toilwout

1091notes adverse_toil: Ever wet/soil self b/c no help or too difficul
  > t to get to toilet by self.

1092notes adverse_dres: dreswout

1093notes adverse_dres: Ever go without getting dressed, b/c too diffi
  > cult or no one there to help.

1094notes adverse_out: outwout

1095notes adverse_out: Ever go without leaving home/building, b/c too
  > difficult or no one there to help.

1096notes adverse_insd: insdwout

1097notes adverse_insd: Ever go without going into any places in home/
  > building, b/c too difficult or no one there to help.

1098notes adverse_bed: bedwout
```

```
1099notes adverse_bed: Ever go without leaving your bed, b/c too diffi
  > cult or no one there to help.

1100
1101foreach x in adverse adverse_laun adverse_shop adverse_meal advers
  > e_bank adverse_eat ///
  > adverse_bath adverse_toil adverse_dres adverse_out adverse_insd ad
  > verse_bed{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1102
1103//limited favorite activity
1104capture drop lim_fav

1105gen lim_fav=.
  (47,778 missing values generated)

1106
1107forvalues 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)

1108label var lim_fav "Last month ever kept from favorite activity by
  > health/function"

1109
1110capture drop lim_fav_yr

1111////NEW limited favorite activity
  > gen lim_fav_yr=.
  (47,778 missing values generated)

1112forvalues w=6/7 {
    2.          replace lim_fav_yr=fvactlimyr==1 if fvactlimyr>=0 & wav
  > e==`w'
    3. }
  (7,276 real changes made)
  (6,312 real changes made)

1113
1114label var lim_fav_yr "Last year ever kept from favorite activity b
  > y health/function"

1115
1116notes lim_fav: helmfvact

1117notes lim_fav: Did health or functioning ever keep you from favori
  > te activity, last month

1118
1119notes lim_fav_yr: helmfvact
```

```
1120notes lim_fav_yr: Did health or functioning ever keep you from fav
  > orite activity, last year.

1121
1122 foreach x in lim_fav lim_fav_yr {
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1123
1124
1125
1126//social cohesion
1127gen cohesion_knowwell=.
  (47,778 missing values generated)

1128gen cohesion_willnghlp=.
  (47,778 missing values generated)

1129gen cohesion_peoptrstd=.
  (47,778 missing values generated)

1130
1131forvalues w=1/$w {
    2.          foreach x in knowwell willnghlp peoptrstd {
    3.                  replace cohesion_`x'=`x' if !missing(`x') & wav
  > e==`w'
    4. }
    5. }
  (7,464 real changes made)
  (7,392 real changes made)
  (7,267 real changes made)
  (5,941 real changes made)
  (5,871 real changes made)
  (5,768 real changes made)
  (4,751 real changes made)
  (4,707 real changes made)
  (4,605 real changes made)
  (3,946 real changes made)
  (3,900 real changes made)
  (3,815 real changes made)
  (7,401 real changes made)
  (7,303 real changes made)
  (7,158 real changes made)
  (6,273 real changes made)
  (6,182 real changes made)
  (6,090 real changes made)
  (5,464 real changes made)
  (5,386 real changes made)
  (5,277 real changes made)

1132rename cohesion_willnghlp cohesion_willing

1133rename cohesion_peoptrstd cohesion_peop

1134
1135gen cohesion=(cohesion_p+cohesion_k+cohesion_w==3) ///
  > if !missing(cohesion_k) | !missing(cohesion_w) | !missing(cohesion
  > _p)
  (5,935 missing values generated)
```

```
1136
1137label var cohesion_knowwell "People know each other well in the co
  > mmunity"

1138label var cohesion_w "People are willing to help each other in the
  >  commmunity"

1139label var cohesion_p "People can be trusted in the community"

1140label define cohesion_ 1 "Agree a lot" 2 "Agree a little" 3 "Do no
  > t agree"

1141label values cohesion_* cohesion_

1142label var cohesion "High community cohesion (Highest on all 3 stat
  > ements)"

1143
1144notes cohesion_knowwell: knowwell

1145notes cohesion_knowwell: People in the community know each other w
  > ell. Agree a lot, a little, do not agree.

1146notes cohesion_willing: willinghlp

1147notes cohesion_willing: People in the community are willing to hel
  > p each other. Agree a lot, a little, do not agree.

1148notes cohesion_knowwell: peoptrstd

1149notes cohesion_knowwell: People in the community can be trusted. A
  > gree a lot, a little, do not agree.

1150notes cohesion: knowwell willinghlp peoptrstd

1151notes cohesion: Agree a lot on all to get high community cohesion.
  >

1152
1153 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. }

1154
1155gen home_disorder_insd=.
  (47,778 missing values generated)

1156gen home_disorder_outsd=.
  (47,778 missing values generated)

1157gen home_disorder_area=.
  (47,778 missing values generated)

1158gen home_disorder_clutter=.
  (47,778 missing values generated)

1159
1160foreach 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)

1161foreach 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)

1162foreach 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)

1163foreach 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)

1164/*
 > //forvalues w=1/$w{
 >         foreach x of varlist condihom* condhome* areacond* clutter
 > * {
 >                 replace `x'=. if    & 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 !missin
 > g(`x') & wave==`w'
 > }
 > */
1165        egen insd=rowtotal(condihom*), m
   (8877 missing values generated)

1166        egen outsd=rowtotal(condhome*), m
   (6069 missing values generated)
```

```
1167        egen area=rowtotal(areacond*), m
  (6056 missing values generated)

1168        egen clutter=rowtotal(clutter*), m
  (8877 missing values generated)

1169
1170
1171        foreach x in insd outsd area clutter {
  2.                replace home_disorder_`x'=`x'>=1 if !missing(`x
  > ')
  3.                drop `x'
  4. }
  (38,901 real changes made)
  (41,709 real changes made)
  (41,722 real changes made)
  (38,901 real changes made)

1172
1173notes home_disorder_outsd: condhome1 condhome2 condhome3 condhome4
  >  condhome5 condhome6

1174notes home_disorder_outsd: If "yes" to any problems, then flagged

1175notes home_disorder_area: areacond1 areacond2 areacond3 areacond4

1176notes home_disorder_area: If "yes" to any problems, then flagged

1177notes home_disorder_clutter: clutterr1 clutterr2

1178notes home_disorder_clutter: If "yes" to any problems, then flagge
  > d

1179notes home_disorder_insd: condihom1 condihom2 condihom3 condihom4
  > condihom5

1180notes home_disorder_insd: If "yes" to any problems, then flagged

1181
1182 foreach x in home_disorder_outsd home_disorder_area home_disorder
  > _clutter home_disorder_insd {
  2. notes `x': Located in NHATS Setup, under Part 7.
  3. notes `x': Updated: 04/11/19-MH
  4. }

1183
1184label var home_disorder_insd "Disorder in home (peelng paint, pest
  > s, brkn furniture or floorbrds, trippng hazards)"
  note: label truncated to 80 characters

1185label var home_disorder_outsd "Disorder outside (brkn windows, fou
  > ndation, bricks/siding, roof, steps)"

1186label var home_disorder_clutter "Disorder in home (clutter in inte
  > rview or other rooms)"

1187label var home_disorder_area "Disorder in immed area (litter/glass
  > /graffiti/vacant houses/stores/foreclosures)"

1188
```

```
1189//rename finhlpfam finhlpfam_old
1190//rename fingftfam fingftfam_old
1191//economic well-being---look at this section for strangeness 3/1/1
  > 9
1192foreach x in pycredbal crecardeb credcdmed amtcrdmed medpaovtm amp
  > adovrt ///
  > whohelfi1 whohelfi2 atchhelyr whregoth1 whregoth2 ///
  > whregoth3 amthlpgiv progneed1 progneed2 progneed3 mealskip ///
  > mealskip2 nopayhous nopayutil nopaymed {
    2.          replace `x'=. if `x'<0
    3. }
  (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)
  (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)

1193
1194foreach x in creditdebt medcreditdebt medbillsovertime medpaynotca
  > sh ///
  > 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)

1195
1196replace creditdebt=inlist(pycredbal,2,3) | !missing(crecardeb) if
  > ///
  >  !missing(pycredbal) | !missing(crecardeb)
  (40,518 real changes made)

1197replace medcreditdebt=credcdmed==1 if !missing(credcdmed)
  (8,071 real changes made)

1198replace medbillsovertime=medpaovtm==1 if !missing(medpaovtm)
  (40,680 real changes made)

1199replace medpaynotcash=medbillsovertime==1 | medcreditdebt==1 if !m
  > issing(medbillsovertime) | ///
  > !missing(medcreditdebt)
  (40,722 real changes made)
```

```
1200
1201gen finhlpfam_n=finhlpfam==1 if !missing(finhlpfam)
   (7,087 missing values generated)

1202gen fingftfam_n= fingftfam==1 if !missing(fingftfam)
   (7,352 missing values generated)

1203replace govtasst=progneed1==1 | progneed2==1 | progneed3==1 if !mi
   > ssing(progneed1) ///
   > | !missing(progneed2) | !missing(progneed3)
   (40,842 real changes made)

1204
1205
1206replace medpaynotcash=medbillsovertime==1 | medcreditdebt==1 if !m
   > issing(medbillsovertime) | !missing(medcreditdebt)
   (0 real changes made)

1207
1208label var creditdebt "Has credit card debt or does not pay off in
   > full monthly"

1209label var medpaynotcash "Has medical credit card debt or pays bill
   > s over time"

1210label var govtasst "Receives foodstamps or other food or gas/energ
   > y assistance"

1211
1212notes creditdebt: pycredbal crecardeb

1213notes creditdebt: Have some balance on credit card.

1214notes medpaynotcash: credcdmed

1215notes medpaynotcash: Any amount owed on credit cards for medical c
   > are.

1216notes govtasst: progneed1 progneed2 progneed3

1217notes govtasst: Recieved food stamps, other food assistance, or ga
   > s energy assistance.

1218 foreach x in creditdebt medpaynotcash govtasst{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1219
1220drop finhlpfam fingftfam

1221rename finhlpfam_n finhlpfam

1222rename fingftfam_n fingftfam

1223
1224notes finhlpfam: finhlpfam

1225notes finhlpfam: Last year, you/spouse recieve any financial help
   > or gifts from children/relatives; ///
   > either regulary or as needed.
```

```
1226notes fingftfam: fingftfam

1227notes fingftfam: Last year, you/spouse give any financial help or
  > gifts to children/relatives; ///
  > either regulary or as needed.

1228 foreach x in finhlpfam fingftfam{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1229
1230//home ownership
1231
1232local homevars ownhome rent mortgagepaidoff paysmortgage /*mortpay
  > mt*/ ///
  > timeinmort owedonmort homevalue_n rentpaid section8

1233
1234foreach x of local homevars {
    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)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)
  (47,778 missing values generated)

1235
1236label var ownhome "SP owns home"

1237label var rent "SP rents"

1238label var mortgagepaidoff "Mortgage is paid off"

1239label var mortpaymt "Mortgage payment"

1240label define mortpaymt 1 "<$250" 2 "$250-499" 3 "$500-999" 4 "$100
  > 0+"

1241label values mortpaymt mortpaymt

1242label var timeinmort "Time left in mortgage"

1243label define timeinmort 1 "5 years" 2 "10 years" 3 "Longer than 10
  > years"

1244label values timeinmort timeinmort

1245label var owedonmort "Amount left on mortgage"

1246label define owedonmort 1 "<$50,000" 2 "$50,000-99,999.99" 3 "$100
  > ,000+"

1247label values owedonmort owedonmort
```

```
1248label var homevalue "Home value"

1249label define homevalue_n 1 "<$50K" 2 "50-75K" 3 "75-100K" 4 "100-2
  > 00K" 5 "200-300K" ///
  > 6 "300-500K" 7 "500-750K" 8 "$750K+"

1250label values homevalue_n homevalue_n

1251
1252forvalues w=1/$w {
   2. tab ownrentot
   3. replace ownhome=ownrentot==1 if wave==`w' & (!missing(ownrento)
  > | res_care==1)
   4. replace rent=ownrentot==2 if wave==`w' & (!missing(ownrento) |
  > res_care==1)
   5. tab mrtpadoff
   6. replace mortgagepaidoff=mrtpadoff==1 if !missing(mrtpadoff)
   7. replace paysmortgage=mrtpadoff==2 if !missing(mrtpadoff)
   8. tab mortpaymt
   9. replace mortpaymt= mortpaymt if wave==`w'
  10. qui replace mortpaymt=1 if wave==`w' & mthlymort<250
  11. qui replace mortpaymt=2 if wave==`w' & mthlymort>=250 & mthlymo
  > rt<=499
  12. qui replace mortpaymt=3 if wave==`w' & mthlymort>=500 & mthlymo
  > rt<1000
  13. qui replace mortpaymt=4 if wave==`w' & mthlymort>=1000 & !missi
  > ng(mthlymort)
  14. tab whnpayoff
  15. replace timeinmort=whnpayoff 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 & amts
  > tlowe<=100000
  20. qui replace owedonmort=3 if wave==`w' & amtstlowe>=100000 & !mi
  > ssing(amtstlowe)
  21. tab homvalamt
  22. replace homevalue_n= homvalamt if wave==`w'
  23. qui replace homevalue_n=1 if wave==`w' & homevalue<50000 & home
  > value>=0
  24. qui replace homevalue_n=2 if wave==`w' & homevalue>=50000 & hom
  > evalue<75000
  25. qui replace homevalue_n=3 if wave==`w' & homevalue>=75000 & hom
  > evalue<100000
  26. qui replace homevalue_n=4 if wave==`w' & homevalue>=100000 & ho
  > mevalue<200000
  27. qui replace homevalue_n=5 if wave==`w' & homevalue>=200000 & ho
  > mevalue<300000
  28. qui replace homevalue_n=6 if wave==`w' & homevalue>=300000 & ho
  > mevalue<500000
  29. qui replace homevalue_n=7 if wave==`w' & homevalue>=500000 & ho
  > mevalue<750000
  30. qui replace homevalue_n=8 if wave==`w' & homevalue>=750000 & !m
  > issing(homevalue)
  31.
1253tab 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<=4
  > 99
  35. qui replace rentpaid=3 if wave==`w' & rentamt>=500 & rentamt<10
  > 00
  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(sec8pubs
  > n) |ownhome==1 | rent==1)
  41. }
```

```
R1 HP1 OWN RENT OR OTHER |     Freq.       Percent        Cum.
------------------------+------------------------------------
                 1 OWN |    28,695        72.06        72.06
                2 RENT |     7,256        18.22        90.28
3 SOME OTHER ARRANGEMENT |    3,870         9.72       100.00
------------------------+------------------------------------
                 Total |    39,821       100.00
(8,130 real changes made)
(8,130 real changes made)

   R1 HP2 MORTGAGE PAID |
                   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
(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
(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
(1,365 real changes made)
```

```
       R1 HP3D THE AMOUNT OWED IS |     Freq.        Percent
> Cum.
-----------------------------------+-----------------------------
> ----
          1 less than $50,000,  |       391        47.11         4
> 7.11
 2 between $50,000 and $100,000, or |   260        31.33         7
> 8.43
           3 over $100,000? |        179        21.57        10
> 0.00
-----------------------------------+-----------------------------
> ----
                 Total |       830       100.00
(115 real changes made)
```

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

(496 real changes made)

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

```
 R1 HP7 HME SEC |
   8 PUBL SENOR |
          HOUS |      Freq.      Percent        Cum.
---------------+----------------------------------
         1 YES |      1,933        42.61       42.61
          2 NO |      2,604        57.39      100.00
---------------+----------------------------------
         Total |      4,537       100.00
```
(6,492 real changes made)

```
R1 HP1 OWN RENT OR OTHER |      Freq.      Percent        Cum.
-------------------------+----------------------------------
                   1 OWN |     28,695        72.06       72.06
                  2 RENT |      7,256        18.22       90.28
 3 SOME OTHER ARRANGEMENT |      3,870         9.72      100.00
-------------------------+----------------------------------
                   Total |     39,821       100.00
```
(6,538 real changes made)
(6,538 real changes made)

```
 R1 HP2 MORTGAGE PAID |
                  OFF |      Freq.      Percent        Cum.
---------------------+----------------------------------
          1 PAID OFF |     19,909        70.02       70.02
 2 STILL MAKE PAYMENTS |     8,119        28.55       98.58
    3 REVERSE MORTGAGE |       405         1.42      100.00
---------------------+----------------------------------
                Total |     28,433       100.00
```
(0 real changes made)
(0 real changes made)

```
  Mortgage |
   payment |      Freq.      Percent        Cum.
-----------+----------------------------------
    <$250 |         79         4.90        4.90
  $250-499 |        316        19.60       24.50
  $500-999 |        624        38.71       63.21
    $1000+ |        593        36.79      100.00
-----------+----------------------------------
     Total |      1,612       100.00
```
(0 real changes made)

```
R1 HP3B WHEN EXPCT PAY |
           OFF MORTG |      Freq.      Percent        Cum.
---------------------+----------------------------------
          1 5 YEARS |      2,065        26.98       26.98
         2 10 YEARS |      1,535        20.06       47.04
 3 LONGER THAN 10 YEARS |   4,053        52.96      100.00
---------------------+----------------------------------
                Total |      7,653       100.00
```
(1,088 real changes made)

```
      R1 HP3D THE AMOUNT OWED IS |      Freq.      Percent
> Cum.
-----------------------------------+------------------------------
> ----
            1 less than $50,000, |      391        47.11         4
> 7.11
 2 between $50,000 and $100,000, or |    260        31.33         7
> 8.43
                3 over $100,000? |      179        21.57        10
> 0.00
-----------------------------------+------------------------------
> ----
                          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          4
> 7.11
 2 between $50,000 and $100,000, or |       260        31.33          7
> 8.43
             3 over $100,000? |       179        21.57         10
> 0.00
-----------------------------------+-----------------------------
> ----
                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 |     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
(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        4
> 7.11
 2 between $50,000 and $100,000, or |      260          31.33        7
> 8.43
                  3 over $100,000? |      179          21.57       10
> 0.00
------------------------------------+-----------------------------
> ----
                            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         4
> 7.11
 2 between $50,000 and $100,000, or |      260        31.33         7
> 8.43
                3 over $100,000? |      179        21.57        10
> 0.00
------------------------------------+------------------------------
> ----
                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        4
> 7.11
 2 between $50,000 and $100,000, or |       260        31.33        7
> 8.43
                 3 over $100,000? |       179        21.57       10
> 0.00
------------------------------------+------------------------------
> ----
                          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 |     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
(5,807 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          4
> 7.11
 2 between $50,000 and $100,000, or |       260       31.33          7
> 8.43
              3 over $100,000? |       179       21.57         10
> 0.00
------------------------------------+------------------------------
> ----
                      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 |
    8 PUBL SENOR |
           HOUS |      Freq.      Percent       Cum.
----------------+----------------------------------
          1 YES |      1,933        42.61        42.61
           2 NO |      2,604        57.39       100.00
----------------+----------------------------------
          Total |      4,537       100.00
(5,093 real changes made)
```

1254
1255drop homevalue

1256rename homevalue_n homevalue

1257
1258notes ownhome: ownrentot

1259notes ownhome: Do you/spouse/partner own home (apartment/condo).

1260notes rent: ownrentot

1261notes rent: Do you/spouse/partner rent home (apartment/condo).

1262notes mortgagepaidoff: mrtpadoff

1263notes mortgagepaidoff: Is your/spouse/partner mortage paidoff.

1264notes paysmortgage: mrtpadoff

1265notes paysmortgage: Are you/spouse/partner still making mortgage p
  > ayments.

1266notes mortpaymt: mthlymort

1267notes mortpaymt: How much monthly mortgage payment

1268notes owedonmort: amoutowed amtstlowe

1269notes owedonmort: Amount owed on mortgage.

1270notes homevalue: homvalamt

1271notes homevalue: What is the present value of the home. Amount if
  > sold today.

```
1272notes rentpaid: rentamt

1273notes rentpaid: Rent paid each month.

1274notes section8: sec8pubsn

1275notes section8: Home in section 8 or public housing or housing for
  >  low-income seniors.

1276 foreach x in ownhome rent mortgagepaidoff paysmortgage mortpaymt
  > owedonmort homevalue rentpaid section8{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1277
1278label var rentpaid "Amount rent paid"

1279label define rentpaid 1 "<$250" 2 "250-499" 3 "500-999" 4 "$1000+"

1280label values rentpaid rentpaid

1281label var section8 "Indicator lives in Section 8 housing"

1282label var medcreditdebt "Has Medical credit card debt"

1283label var medbillsovertime "Pays Medical bills over time"

1284label var finhlpfam "Received financial help/gifts from family"

1285label var fingftfam "Provided financial help/gifts to family"

1286label var paysmortgage "Pays a mortgage"

1287gen n_social_network=.
  (47,778 missing values generated)

1288
1289replace n_social_network=dnumsn if dnumsn>=0
  (39,585 real changes made)

1290
1291label var n_social_network "Number in social network"

1292
1293gen division=.
  (47,778 missing values generated)

1294
1295replace division=dcensdiv if dcensdiv>0
  (47,777 real changes made)

1296
1297gen region=division
  (1 missing value generated)

1298recode region (1 2=1) (3 4=2) (5/7=3) (8 9=4)
  (region: 45410 changes made)

1299
```

```
1300la define region 1 "Northeast" 2 "Midwest" 3 "South" 4 "West"

1301label values region region

1302
1303capture gen northeast=0

1304capture gen midwest=0

1305capture gen south=0

1306capture gen west=0

1307
1308replace northeast=1 if region==1
  (8,357 real changes made)

1309replace midwest=1 if region==2
  (11,588 real changes made)

1310replace south=1 if region==3
  (18,751 real changes made)

1311replace west=1 if region==4
  (9,081 real changes made)

1312
1313notes division: dcensdiv

1314notes division: Census division

1315notes n_social_network: dnumsn

1316notes n_social_network: Number in social network

1317foreach x in northeast midwest south west{
    2. notes `x': dcensdiv
    3. notes `x': `x' census division
    4. }

1318foreach x in division n_social_network northeast midwest south wes
  > t {
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/11/19-MH
    4. }

1319/*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'* s
  > d`i'* hw`i'* ///
  >        cm`i'* sn`i'* hp`i'* ew`i'* ir`i'* dt`i'* wb`i'* wa`i'* g
  > r`i'* ho`i'* cs`i'*
  > }
  >
  > drop el1* rl1* ia1* ep2* pd2* pd3* pd4* pd5* pd6* pd7* ia3* ia5* i
  > a7*
  > */
1320//rename round*status r*status
```

```
1321
1322svyset varunit [pw=anfinwgt], strat(varstrat)

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

1323
1324sort spid wave

1325by spid: carryforward educ*, replace
  education:  (0 real changes made)
  educ_hs_ind:  (32766 real changes made)

1326label var educ_hs_ind "Education: HS+"

1327notes drop educ*
    (3 notes dropped)

1328
1329//10/25/18--add in payer and other variables from Jenny's homeboun
  > d project
1330preserve

1331/*local mo outoft outcane outwalkr outwlchr outsctr outhlp outslf
  > outdif outyrgo ///
  > outwout oftgoarea oflvslepr insdcane insdwalkr insdwlchr insdsctr
  > oftholdwl ///
  > insdhlp insdslf insddif insdyrgo insdwout beddev bedhlp bedslf bed
  > dif bedwout
  >
  > local sc eatdevoft eathlp eatoft eatdif eatwout showrbat1 showrbat
  > 2 showrbat3 ///
  > prfrshbth scusgrbrs shtubseat bathhlp bathoft bathdif bathyrgo bat
  > hwout ///
  > usvartoi1 usvartoi2 usvartoi3 usvartoi4 toilhlp toiloft toildif to
  > ilwout ///
  > dresoft dresdev dreshlp dresyrgo dreswout
  >
  > local ha laun launslf whrmachi1 whrmachi2 whrmachi3 whrmachi4 whrm
  > achi5 ///
  > whrmachi6 laundif launoft launwout shop shopslf howpaygr1 howpaygr
  > 2 howpaygr3 ///
  >  howpaygr4 howpaygr5 howpaygr6 howpaygr7 howgtstr1 howgtstr2 howgt
  > str3 howgtstr4 ///
  >  howgtstr5 howgtstr6 howgtstr7 howgtstr8 shopcart shoplean shopdif
  >  shopoft shopwout ///
  >  meal mealslf restamels oftmicrow mealdif mealoft mealwout bank ba
  > nkslf bankdif ///
  >  bankoft bankwout money moneyhlp
  >
  > local mc meds medstrk medsslf whrgtmed1 whrgtmed2 whrgtmed3 whrgtm
  > ed4 howpkupm1 ///
  > howpkupm2 howpkupm3 medsrem medsdif medsyrgo medsmis havregdoc reg
  > doclyr hwgtregd1 ///
  >  hwgtregd2 hwgtregd3 hwgtregd4 hwgtregd5 hwgtregd6 hwgtregd7 hwgtr
  > egd8 hwgtregd9 ///
  >  ansitindr tpersevr1 tpersevr2 tpersevr3 tpersevr4 chginspln anhlp
  > wdec
  > */
```

```
1332//note--as of now, doesn't include round 7
1333forvalues 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.
1334local 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 (eatslfdif toiloft bathoft) (eatdif toilslf bathslf)
  18.
1335foreach 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.
1336//for iadls, reason don't do alone b/c health/function or reported
  >  difficulty or went w/o
1337gen 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 had to go w/o"
  30. label var toil_j "Some/lot difficulty toileting by self, or rar
  > ely/never, or had to go w/o"
  31. label var insd_j "Some/lot difficulty moving inside by self, or
  >  rarely/never, 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 rare
  > ly/never, or had to go w/o"
  34. label var bath_j "Some/lot difficulty bathing by self, or rarel
  > y/never, or had to go w/o"
  35. label var laun_j "Some/lot of difficulty with laundry by self,
  > or not by self 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 self 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 self b/c health, or had to go w/o"
  40.
```

```
1338gen device_mobility=inlist(insdwalk,1,2) | inlist(outwalk,1,2) | i
  > nlist(insdwl,1,2) ///
  > | inlist(outwl,1,2) | inlist(insdsct,1,2) | inlist(outsct,1,2)
    41.
1339label var device_mobility "Uses a walker, wheelchair, or scooter i
  > nside or outside"
    42.
1340keep spid wave *_jenny device_mobility `kidvars' ind_kids adlcount
  >  iadlcount
    43.
1341tempfile kids`wave'
    44. save `kids`wave''
    45.
1342use "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.
1343rename 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 | o
  > p`wave'`x'payhlp<-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'pa
  > id==1)
    56. label var paid_by_unk "Unknown payer"
    57.
1344
1345levelsof 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'progm
  > paid!=-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'pro
  > gmpaid!=-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.
```

```
1346foreach 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.
1347
1348by 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_hrsw
> k_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_hrs
> wk_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+an
> y_paid_by_oth ///
> +any_paid_by_gov==0) & ind_paid==1
  109. local paidvars any_paid_by_sp any_paid_by_gov any_paid_by_ins a
> ny_paid_by_oth ///
> 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_un
> k
  110. keep spid any_paid* ind_gt* wave
  111.
1349duplicates drop
  112. tempfile paid`wave'
  113. save `paid`wave''
  114.
1350use "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''hrs=total(``i''hrs) if ``i''_hel
> p_ind==1
  123.        label var tot_``i''hrs "Hours of help/week from ``i'' s
> ources"
  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 sour
> ces"
  130. label var tot_otheri "Hours of help/week from other unpaid sour
> ces"
  131. keep spid `chelp' `ihelp' wave
  132. duplicates drop
```

```
   133.
1351tempfile 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
  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_000004.tmp sav
  > ed
```

```
             storage   display   value
  variable name   type    format    label      variable label
  -------------------------------------------------------------------
  op1sppayshlp   double   %12.0g    op1sppayshlp
                                              R1 HL6 SP PAYS FOR
                                                 HELP
  op1govpayhlp   double   %12.0g    op1govpayhlp
                                              R1 HL6 GOVT PAYS FOR
                                                 HELP
  op1inspayhlp   double   %12.0g    op1inspayhlp
                                              R1 HL6 INSUR PAYS FOR
                                                 HELP
  op1othpayhlp   double   %12.0g    op1othpayhlp
                                              R1 HL6 OTHER PAYS FOR
                                                 HELP
  op1payunit     double   %12.0g    op1payunit
                                              R1 HL7 PAYMENT UNIT
  op1hourlypay   double   %12.0g    op1hourlypay
                                              R1 HL7A HOURLY AMOUNT
                                                 PAID
  op1weeklypay   double   %12.0g    op1weeklypay
                                              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 sav
> ed

    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 sav
> ed
(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 sav
> ed
(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
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_000008.tmp sav
> ed
```

```
                storage  display   value
variable name    type    format    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 sav
> ed
```

```
    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)
(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 sav
> ed
(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 sav
> ed
(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
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_00000c.tmp sav
> ed
```

```
                storage   display    value
variable name    type     format     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 sav
> ed

    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)
(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 sav
> ed
(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 sav
> ed
(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)
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_00000g.tmp sav
> ed
```

```
              storage   display    value
variable name   type    format     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 sav
> ed

```
    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 sav
> ed
(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 sav
> ed
(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
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_00000k.tmp sav
> ed
```

```
                storage   display   value
variable name   type      format    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 sav
> ed
```

```
    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 sav
> ed
(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 sav
> ed
(866 missing values generated)
(866 real changes made, 866 to missing)
(877 real changes made, 877 to missing)
(0 real changes made)
(866 missing values generated)
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
note: label truncated to 80 characters
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000o.tmp sav
> ed
```

```
               storage   display    value
variable name    type    format     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 sav
> ed
```

```
    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 sav
> ed
(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 sav
> ed
(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 sav
> ed
```

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


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

    R7 HL8 PROGRAM |
   PAID FOR HELPER |    Freq.     Percent       Cum.
------------------+-----------------------------------
            -8 DK |       38        0.08        0.08
   -1 Inapplicable |    48,795      99.45       99.53
       1 MEDICAID |       69        0.14       99.67
       2 MEDICARE |       32        0.07       99.73
   3 STATE PROGRAM |       92        0.19       99.92
91 OTHER (SPECIFY) |       39        0.08      100.00
------------------+-----------------------------------
            Total |    49,065     100.00
(47,944 missing values generated)
(47,944 missing values generated)
(47,944 missing values generated)
(47,944 missing values generated)
-8 -1 1 2 3 91
(48,795 missing values generated)
(48,795 missing values generated)
(48,795 missing values generated)
(48,795 missing values generated)
(48,795 missing values generated)
file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000t.tmp sav
> ed

    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)
  (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 sav
  > ed
  (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 sav
  > ed

1352
1353foreach 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 sav
> ed
  paid
  2
  3
  4
  5
  6
  paid
  file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_00000x.tmp sav
> ed
  kids
  2
  3
  4
  5
  6
  kids
  file C:\Users\husaim03\AppData\Local\Temp\9\ST_2775ac_000010.tmp sav
> ed

1354
1355restore

1356
1357
1358
1359merge 1:1 spid wave using `kids', keep(match master) gen(kidm)
  (label cs1dnumchild already defined)
  (label ho1entrstair 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)
      -----------------------------------------

1360merge 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)
      -----------------------------------------

1361merge 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)
      -----------------------------------------
```

```
1362
1363
1364notes n_children: dnumchild

1365notes n_children: Number of children

1366notes stairs_ind: entrstair

1367notes stairs_ind: Entrance you use most often, are their stairs.

1368notes livesalone_ind: dhshldnum

1369notes livesalone_ind: total number in household.

1370notes ind_kids: dnumchild n_children

1371notes ind_kids: Indicator have children

1372foreach 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, g
  > o without doing.
    4. notes `x'_jenny: Located in NHATS Setup, under Part 7.
    5. notes `x'_jenny: Updated: 04/11/19-MH
    6. }

1373notes adlcount: eat_jenny toil_jenny insd_jenny bed_jenny dres_jen
  > ny bath_jenny

1374notes adlcount: count of Jenny's ADL measures

1375foreach 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, g
  > o without doing.
    4. notes `x'_jenny: Located in NHATS Setup, under Part 7.
    5. notes `x'_jenny: Updated: 04/11/19-MH
    6. }

1376notes iadlcount: laun_jenny meds_jenny shop_jenny meal_jenny bank_
  > jenny

1377notes iadlcount: count of Jenny's IADL measures

1378notes device_mobility: insdwalk outwalk insdwl outwl insdsct outsc
  > t

1379notes device_mobility: If annswered most or everytime to having mo
  > bility device for ///
  > question indicated.

1380notes any_paid_by_medicare: paid_by_gov_cat_2 from progmpaid

1381notes any_paid_by_medicare: Medicare program paid for helper.

1382notes any_paid_by_sp: paid_by_sp from sppayshlp

1383notes any_paid_by_sp: SP pays for help

1384notes any_paid_by_gov: paid_by_gov from govpayshlp
```

```
1385notes any_paid_by_gov: Government pays for help.

1386notes any_paid_by_ins: paid_by_ins from inspayshlp

1387notes any_paid_by_ins: Insurance pays for help.

1388notes any_paid_by_oth: paid_by_oth from othpayshlp

1389notes any_paid_by_oth: Other pays for help.

1390notes 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

1391notes any_paid_by_unk: Unknown who pays for help.

1392notes otherfamily_help_ind: relat

1393notes otherfamily_help_ind: Other family helpers

1394notes spouse_help_ind: relat

1395notes spouse_help_ind: Spouse as helper.

1396notes daughter_help_ind: relat

1397notes daughter_help_ind: Daughter as helper

1398notes son_help_ind: relat

1399notes son_help_ind: Son as helper

1400notes daughter_help_ind: relat

1401notes daughter_help_ind: Daughter as helper

1402notes paid_help_ind: relat

1403notes paid_help_ind: Has paid helper

1404notes otherinformal: relat

1405notes otherinformal: Has other family helpers.

1406notes tot_otherfamilyhrs: hrswk

1407notes tot_otherfamilyhrs: Other family hours.

1408notes tot_otherinformalhrs: hrswk

1409notes tot_otherinformalhrs: From other unpaid sources.

1410
1411foreach x in n_children stairs_ind livesalone_ind ind_kids adlcoun
  > t iadlcount ///
  > device_mobility any_paid_by_medicare any_paid_by_sp any_paid_by_go
  > v any_paid_by_ins ///
  > any_paid_by_oth any_paid_by_unk otherfamily_help_ind spouse_help_i
  > nd daughter_help_ind ///
  > son_help_ind daughter_help_ind paid_help_ind otherinformal tot_oth
  > erfamilyhrs tot_otherinformalhrs {
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/12/19-MH
    4. }
```

```
1412
1413label var aveincome "Income"

1414label var residence "Type of residence"

1415drop sr*raw ht_new pr_ad8* dem_via_proxy speaktosp date_item* date
  > _sum* ///
  > preslast presfirst vp* presvp* date_prvp clock_scorer irecall drec
  > all ///
  > wordrecall *65 kidm hrm paidm SP_completed deceased /*va*ser* el5
  > rl* */

1416
1417foreach x in eat bath toil dres {
    2.         label var adl_`x'_diff "Has difficulty while `x'ing las
  > t month"
    3.         label var adl_`x'_not "Did not `x' by self in last mont
  > h"
    4. }

1418
1419foreach x in laun shop meal bank meds {
    2.         label var iadl_`x'_diff "Has difficulty while `x'ing la
  > st month"
    3.         label var iadl_`x'_not "Did not `x' in last month"
    4. }

1420label var iadl_meds_diff "Difficulty taking meds last month"

1421label var iadl_meds_not "Didn't take meds or not by self in last m
  > onth"

1422label var adl_ins_diff "Difficulty moving around inside by self in
  >  last month"

1423label var adl_ins_no "Didn't move around inside by self in last mo
  > nth"

1424label var adl_bed_dif "Difficulty getting out of bed by self in la
  > st month"

1425label var adl_bed_no "Didn't get out of bed by self in last month"

1426label var num_helpers_cat "Categorical number of helpers"

1427label var ivw_type "Type of interview"

1428label var income_cat "Categorical income"

1429label var trfinwgt "Tracker weight"

1430label var tr2011wgt "Tracker weight (2011 cohort)"

1431label var howgetdoc "Mode of transport to regular doctor"

1432label var ivw_day "Day of interview (Assigned to 1 for all)"

1433label var ivw_month "Month of interview"

1434label var ivw_year "Year of interview"
```

```
1435label var ivw_date "Date of interview (1st of the month assigned)"

1436label var community_dwelling "Community dwelling"

1437label var marital_sd "Separated or divorced"

1438label var iadl_diff_index "Count of IADL difficulties reported (mi
  > ssing coded as zero)"

1439label var iadl_diff_ind "Indicator of any IADL difficulty reported
  >  (missing coded as zero)"

1440label var adl_diff_index "Count of IADL difficulties reported (mis
  > sing coded as zero)"

1441label var adl_diff_ind "Indicator of any IADL difficulty reported
  > (missing coded as zero)"

1442label var nhats_death_day "Sensitive: Day of death from NHATS (Ass
  > igned to last day of month)"

1443label var nhats_death_month "Sensitive: Month of death from NHATS"

1444label var nhats_death_year "Sensitive: Year of death from NHATS"

1445label var division "Census division"

1446label var region "Region"

1447label var ind_kids "Indicator any living children"

1448
1449rename adlcount adlcount_jenny

1450label var adlcount_j "ADL count: some/lot of difficulty or adverse
  >  consequence of unmet need"

1451rename iadlcount iadlcount_jenny

1452label var iadlcount_j "IADL count: some/lot of difficulty or adver
  > se consequence of unmet need"

1453
1454notes adl_bed_diff: mo*beddif

1455notes adl_bed_diff: How much difficulty getting out of bed. Any di
  > fficulty flagged.

1456notes adl_ins_diff: mo*insddif

1457notes adl_ins_diff: How much difficulty getting around house. Any
  > difficulty flagged.

1458notes adl_eat_diff: eatslfdif

1459notes adl_eat_diff: How much difficulty eating by yourself. Any di
  > fficulty flagged.

1460notes adl_bath_diff: sc*bathdif
```

1461notes adl_bath_diff: How much difficulty have bathing/showering. A
  > ny difficulty flagged.

1462notes adl_toil_diff: sc*toildif

1463notes adl_toil_diff: How much difficulty using the toilet. Any dif
  > ficulty flagged.

1464notes adl_dres_diff: sc*dresdif

1465notes adl_dres_diff: How much difficulty getting dressed. Any diff
  > iculty flagged.

1466notes iadl_laun_diff: ha*laundif

1467notes iadl_laun_diff: How much difficulty doing laundry. Any diffi
  > culty flagged.

1468notes iadl_shop_diff: ha*shopdif

1469notes iadl_shop_diff: How much difficulty doing shop. Any difficul
  > ty flagged.

1470notes iadl_meal_diff: ha*dmealdif

1471notes iadl_meal_diff: How much difficulty shopping for groceries o
  > r personal items. Any difficulty flagged.

1472notes iadl_bank_diff: ha*bankdif

1473notes iadl_bank_diff: How much difficulty doing banking and handli
  > ng bills. Any difficulty flagged.

1474notes iadl_meds_diff: mc*medsdif

1475notes iadl_meds_diff: How much difficulty keeping track of meds. A
  > ny difficulty flagged.

1476
1477foreach x in adl_bed_diff adl_ins_diff adl_eat_diff adl_bath_diff
  > adl_toil_diff adl_dres_diff /7/
  > iadl_laun_diff iadl_shop_diff iadl_meal_diff iadl_bank_diff iadl_m
  > eds_diff{
    2. notes `x': Located in NHATS Setup, under Part 7.
    3. notes `x': Updated: 04/12/19-MH
    4. }

1478
1479// 11/8/18 Making National Estimates using 2011 population (using
  > original weights) Rds 1-4
1480rename anfinwgt old_anfinwgt

1481gen double anfinwgt=old_anfinwgt

1482replace anfinw=old_anfinwgt*5491440/4649902 if inrange(age,65,69)
  > & female==0 & inrange(wave,1,4)
  (1,390 real changes made)

1483replace anfinw=old_anfinwgt*4087340/4097017 if inrange(age,70,74)
  > & female==0 & inrange(wave,1,4)
  (2,322 real changes made)

```
1484replace anfinw=old_anfinwgt*3027820/3001146 if inrange(age,75,79)
  > & female==0 & inrange(wave,1,4)
  (2,122 real changes made)

1485replace anfinw=old_anfinwgt*2169060/2173979 if inrange(age,80,84)
  > & female==0 & inrange(wave,1,4)
  (2,039 real changes made)

1486replace anfinw=old_anfinwgt*1194880/1224397 if inrange(age,85,89)
  > & female==0 & inrange(wave,1,4)
  (1,421 real changes made)

1487replace anfinw=old_anfinwgt*524540/463619 if inrange(age,90,150) &
  >  female==0 & inrange(wave,1,4)
  (876 real changes made)

1488
1489replace anfinw=old_anfinwgt*6124980/5250466 if inrange(age,65,69)
  > & female==1 & inrange(wave,1,4)
  (1,622 real changes made)

1490replace anfinw=old_anfinwgt*4781940/4843444 if inrange(age,70,74)
  > & female==1 & inrange(wave,1,4)
  (2,749 real changes made)

1491replace anfinw=old_anfinwgt*3886940/3878674 if inrange(age,75,79)
  > & female==1 & inrange(wave,1,4)
  (2,775 real changes made)

1492replace anfinw=old_anfinwgt*3249940/3215654 if inrange(age,80,84)
  > & female==1 & inrange(wave,1,4)
  (3,027 real changes made)

1493replace anfinw=old_anfinwgt*2230480/2257969 if inrange(age,85,89)
  > & female==1 & inrange(wave,1,4)
  (2,458 real changes made)

1494replace anfinw=old_anfinwgt*1382160/1329677 if inrange(age,90,150)
  >  & female==1 & inrange(wave,1,4)
  (2,362 real changes made)

1495
1496// Making National Estimates using 2015 population (using original
  >  weights) Rds 5-7
1497replace anfinw=old_anfinwgt*6855860/5671878 if inrange(age,65,69)
  > & female==0 & inrange(wave,5,7)
  (1,033 real changes made)

1498replace anfinw=old_anfinwgt*4941100/5071147 if inrange(age,70,74)
  > & female==0 & inrange(wave,5,7)
  (2,135 real changes made)

1499replace anfinw=old_anfinwgt*3367300/3524465 if inrange(age,75,79)
  > & female==0 & inrange(wave,5,7)
  (1,927 real changes made)

1500replace anfinw=old_anfinwgt*2257880/2208455 if inrange(age,80,84)
  > & female==0 & inrange(wave,5,7)
  (1,635 real changes made)
```

```
1501replace anfinw=old_anfinwgt*1307620/1358952 if inrange(age,85,89)
  > & female==0 & inrange(wave,5,7)
  (1,266 real changes made)

1502replace anfinw=old_anfinwgt*648680/624319 if inrange(age,90,150) &
  >  female==0 & inrange(wave,5,7)
  (835 real changes made)

1503
1504replace anfinw=old_anfinwgt*7601440/6226214 if inrange(age,65,69)
  > & female==1 & inrange(wave,5,7)
  (1,162 real changes made)

1505replace anfinw=old_anfinwgt*5695060/6077509 if inrange(age,70,74)
  > & female==1 & inrange(wave,5,7)
  (2,524 real changes made)

1506replace anfinw=old_anfinwgt*4182460/4196832 if inrange(age,75,79)
  > & female==1 & inrange(wave,5,7)
  (2,495 real changes made)

1507replace anfinw=old_anfinwgt*3165560/3137807 if inrange(age,80,84)
  > & female==1 & inrange(wave,5,7)
  (2,383 real changes made)

1508replace anfinw=old_anfinwgt*2253980/2157300 if inrange(age,85,89)
  > & female==1 & inrange(wave,5,7)
  (2,018 real changes made)

1509replace anfinw=old_anfinwgt*1577880/1534438 if inrange(age,90,150)
  >  & female==1 & inrange(wave,5,7)
  (1,995 real changes made)

1510
1511// Making National Estimates using 2011 Population (2011 Weights)
  > for Rds 5-7
1512rename an2011wgt old_an2011wgt

1513gen an2011wgt=old_an2011wgt
  (25,856 missing values generated)

1514replace an2011wgt=old_an2011wgt*5491440/4649902 if inrange(age,65,
  > 69) & female==0 & inrange(wave,5,7)
  (16 real changes made)

1515replace an2011wgt=old_an2011wgt*4087340/4097017 if inrange(age,70,
  > 74) & female==0 & inrange(wave,5,7)
  (1,036 real changes made)

1516replace an2011wgt=old_an2011wgt*3027820/3001146 if inrange(age,75,
  > 79) & female==0 & inrange(wave,5,7)
  (1,028 real changes made)

1517replace an2011wgt=old_an2011wgt*2169060/2173979 if inrange(age,80,
  > 84) & female==0 & inrange(wave,5,7)
  (910 real changes made)

1518replace an2011wgt=old_an2011wgt*1194880/1224397 if inrange(age,85,
  > 89) & female==0 & inrange(wave,5,7)
  (749 real changes made)
```

```
1519replace an2011wgt=old_an2011wgt*524540/463619 if inrange(age,90,15
  > 0) & female==0 & inrange(wave,5,7)
  (532 real changes made)

1520
1521replace an2011wgt=old_an2011wgt*6124980/5250466 if inrange(age,65,
  > 69) & female==1 & inrange(wave,5,7)
  (20 real changes made)

1522replace an2011wgt=old_an2011wgt*4781940/4843444 if inrange(age,70,
  > 74) & female==1 & inrange(wave,5,7)
  (1,195 real changes made)

1523replace an2011wgt=old_an2011wgt*3886940/3878674 if inrange(age,75,
  > 79) & female==1 & inrange(wave,5,7)
  (1,350 real changes made)

1524replace an2011wgt=old_an2011wgt*3249940/3215654 if inrange(age,80,
  > 84) & female==1 & inrange(wave,5,7)
  (1,369 real changes made)

1525replace an2011wgt=old_an2011wgt*2230480/2257969 if inrange(age,85,
  > 89) & female==1 & inrange(wave,5,7)
  (1,285 real changes made)

1526replace an2011wgt=old_an2011wgt*1382160/1329677 if inrange(age,90,
  > 150) & female==1 & inrange(wave,5,7)
  (1,240 real changes made)

1527
1528label var anfinwgt "Updated Analytic Weights"

1529label var an2011wgt "Updated 2011 Analytic Weight for Rds 5+"

1530
1531notes anfinwgt : r*anfinwgt0

1532notes anfinwgt : Analytic final weight, post-stratified to most re
  > cent sample frame as in the technical paper

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

1534notes anfinwgt : "_"

1535notes anfinwgt : Freedman, VA and BC Spillman. Making National Est
  > imates... NHATS Technical Paper#17.

1536
1537notes an2011wgt : r*an2011wgt0

1538notes an2011wgt : Analytic final weight, post-stratified to most 2
  > 011 sample frame as in the technical paper

1539notes an2011wgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup
  > .otl, Step-7 header

1540notes an2011wgt : "_"

1541notes an2011wgt : Freedman, VA and BC Spillman. Making National Es
  > timates... NHATS Technical Paper#17.
```

```
1542
1543notes old_anfinwgt : r*anfinwgt0

1544notes old_anfinwgt : Original analytic weight

1545notes old_anfinwgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Se
  > tup.otl, Step-7 header

1546notes old_anfinwgt : "_"

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

1548
1549notes old_an2011wgt : r*an2011wgt0

1550notes old_an2011wgt : Original analytic weight for 2011 sample fra
  > me

1551notes old_an2011wgt : E:\nhats\nhats_code\NHATS_data_setup\NHATS_S
  > etup.otl, Step-7 header

1552notes old_an2011wgt : "_"

1553notes old_an2011wgt : Freedman, VA and BC Spillman. Making Nationa
  > l Estimates... NHATS Technical Paper#17.

1554
1555
1556/*Add notes for raw variables or variables that were created in ea
  > rlier headers*/
1557notes varstrat : r*varstrat

1558notes varunit : r*varunit

1559notes wave : "_"

1560notes wave : Wave assigned to round number

1561notes wave : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl,
  >  Step-1 header

1562notes proxy_ivw : is*resptype

1563notes proxy_ivw : Is the interview a proxy? 1=yes

1564notes proxy_ivw : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup
  > .otl, Step-3 header

1565notes age : r*dintvwrage r*ddeathage

1566notes age : Age at interview if living or death if LML

1567notes age : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl,
  > Step-3 header

1568notes educ_hs_ind : el*higstschl

1569notes educ_hs_ind : Completed HS+ (includes GED)
```

```
1570notes educ_hs_ind : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Set
  > up.otl, Step-3 header

1571notes white : rl*dracehisp

1572notes white : Non-Hispanic White

1573notes white : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl
  > , Step-3 header

1574notes black : rl*dracehisp

1575notes black : Non-Hispanic Black

1576notes black : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl
  > , Step-3 header

1577notes hisp : rl*dracehisp

1578notes hisp : Any Hispanic

1579notes hisp : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.otl,
  >  Step-3 header

1580notes other_race : rl*dracehisp

1581notes other_race : Any non-White, non-Black, non-Hispanic race

1582notes other_race : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setu
  > p.otl, Step-1 header

1583notes medicaid : ip*cmedicaid

1584notes medicaid : "_"

1585notes medicaid : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.
  > otl, Step-3 header

1586notes medigap : ip*mgapmedsp

1587notes medigap : "_"

1588notes medigap : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.o
  > tl, Step-3 header

1589notes srh_fp : hc*health

1590notes srh_fp : SR health is poor or fair (as opposed to good, v. g
  > ood, or excellent)

1591notes srh_fp : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Setup.ot
  > l, Step-4 header

1592notes adl_eat_help : sc*eathelp

1593notes adl_eat_help : Help eating in the last month

1594notes adl_eat_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_Se
  > tup.otl, Step-5 header
```

```
1595notes adl_bath_help : sc*bathhelp

1596notes adl_bath_help : Help bathing in the last month

1597notes adl_bath_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_S
   > etup.otl, Step-5 header

1598notes adl_toil_help : sc*toilhelp

1599notes adl_toil_help : Help toiling in the last month

1600notes adl_toil_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_S
   > etup.otl, Step-5 header

1601notes adl_dres_help : sc*dreshelp

1602notes adl_dres_help : Help dresing in the last month

1603notes adl_dres_help : E:\nhats\nhats_code\NHATS_data_setup\NHATS_S
   > etup.otl, Step-5 header

1604notes fall_last_month: fllsinmth

1605notes fall_last_month: Fallen down in last month.

1606notes fall_last_month: Located in NHATS Setup, under Part 5.

1607notes fall_last_month: Updated: 04/17/19-MH

1608notes adl_eat_not_done: eatslfoft

1609foreach x in bath toil dres{
    2. notes adl_`x'_not_done: `x'oft
    3. }

1610foreach x in eat bath toil {
    2. notes adl_`x'_not_done: How often `x' by self and without help.
    3. }

1611notes adl_dres_not_done: How often you dress.

1612foreach x in eat bath toil dres{
    2. notes adl_`x'_not_done: Located in NHATS Setup, under Part 5.
    3. notes adl_`x'_not_done: Updated: 04/17/19-MH
    4. }

1613foreach x in laun shop meal bank{
    2. notes iadl_`x'_help: d`x'sfdf d`x'reas
    3. notes iadl_`x'_help: `x' difficulty level and if `x' done by ot
  > hers
    4. notes iadl_`x'_help: Located in NHATS Setup, under Part 5.
    5. notes iadl_`x'_help: Updated: 04/17/19-MH
    6. notes iadl_`x'_not_done: ha*`x'
    7. notes iadl_`x'_not_done: How `x' made/completed.
    8. notes iadl_`x'_not_done: Located in NHATS Setup, under Part 5.
    9. notes iadl_`x'_not_done: Updated: 04/17/19-MH
   10. }

1614notes iadl_meds_help: dmedssfdf dmedsreas
```

```
1615notes iadl_meds_help: Difficulty level of medications, medicine re
  > ason with others.

1616notes iadl_meds_diff: medsdif

1617notes iadl_meds_diff: Difficulty in keeping track of medicines.

1618notes iadl_meds_not_done: dmedssfdf

1619notes iadl_meds_not_done: Difficulty level of medications

1620foreach x in help diff not_done{
    2. notes iadl_meds_`x': Located in NHATS Setup, under Part 5.
    3. notes iadl_meds_`x': Updated: 04/17/19-MH
    4. }

1621notes reg_doc_have: haveregdoc

1622notes reg_doc_have: Do you have a go to doctor, who you go to for
  > advice.

1623notes reg_doc_seen: regdoclyr

1624notes reg_doc_seen: Have you seen your regular doctor within the l
  > ast year.

1625notes reg_doc_homevisit: hwgtregd8

1626notes reg_doc_homevisit: Was doctor visit a home visit.

1627foreach x in reg_doc_have reg_doc_seen reg_doc_homevisit{
    2. notes `x': Located in NHATS Setup, under Part 5.
    3. notes `x': Updated: 04/17/19-MH
    4. }

1628notes sr_hosp_ind: hosptstay

1629notes sr_hosp_ind: Had an overnight hospital stay since last inter
  > view/year.

1630notes sr_hosp_stays: hosovrnht hosptstay

1631notes  sr_hosp_stays: How many seperate overnight hospital stays.

1632foreach x in sr_hosp_ind sr_hosp_stay{
    2. notes `x': Located in NHATS Setup, under Part 5.
    3. notes `x': Updated: 04/17/19-MH
    4. }

1633foreach x in female race_cat education income_cat ///
  > otherlang imputed_inc1 imputed_inc2 imputed_inc3 imputed_inc4 impu
  > ted_inc5 aveincome{
    2. notes drop `x'
    3. }
    (1 note dropped)
    (1 note dropped)
    (0 notes dropped)
    (1 note dropped)
    (1 note dropped)
    (1 note dropped)
    (1 note dropped)
    (1 note dropped)
    (1 note dropped)
    (1 note dropped)
    (1 note dropped)
```

```
1634notes female: dgender

1635notes female: Gender variable only asked in wave 1 & 5.

1636notes race_cat: dracehisp

1637notes race_cat: Race and Hispanic ethnicity only asked in wave 1 &
  >  5.

1638notes education: higstschl

1639notes education: Highest degree/ level of schooling only asked in
  > wave 1 & 5.

1640notes educ_hs_ind: higstschl

1641notes educ_hs_ind: Indicator having HS+

1642forvalues i=1/5{
    2. notes imputed_inc`i': toincim`i'
    3. notes imputed_inc`i': Imputed income
    4. notes imputed_inc`i': Located in NHATS Setup, under Part 3.
    5. notes imputed_inc`i': Updated: 04/18/19-MH
    6. }

1643notes aveincome: imputed_inc1-imputed_inc5

1644notes aveincome: Took mean of imputed income. Not done for wave 2.
  >

1645notes income_cat: aveincome imputed_inc1-imputed_inc5

1646notes income_cat: Make income categories.

1647notes otherlang: spkothlan condspanh

1648notes otherlang: Speak other language than English; Interview bein
  > g conducted in Spanish.

1649notes freq_go_out: outoft

1650notes freq_go_out: How often went outside.

1651notes help_go_out: outhlp

1652notes help_go_out: Anyone help you go outside.

1653notes out_on_own: outoft outhlp

1654notes out_on_own: Left home by self.

1655notes needshelp: help_go_out out_on_own

1656notes needshelp: Leaves home with help if never leaves by self and
  >  has help to leave.

1657notes hasdifficulty: outdif

1658notes hasdifficulty: How much difficulty to go outside (even with
  > devices)
```

1659notes helpdiff: help_go_out out_on_own outdif

1660notes helpdiff: Has difficulty or needs help going outside.

1661notes independent: outhlp outdif

1662notes independent: Doesn't have difficulty and no help to leave ho
  > me.

1663notes homebound_cat: outoft outoft outhlp help_go_out out_on_own o
  > utdif

1664notes homebound_cat: homebound categorical variable.

1665notes indeplow: outoft outhlp outdif

1666notes indeplow: Rarely leaves home, but is independent.

1667notes indephigh: outoft outhlp outdif

1668notes indephigh: Goes out often, but is independent.

1669notes never_go_out: freq_go_out outoft

1670notes never_go_out: Never goes out.

1671notes whiteoth: race_cat

1672notes whiteoth: White non-hispanic or other, combined category.

1673notes maritalstat: martlstat dmarstat

1674notes maritalstat: Marital status category.

1675notes mc_partd: covmedcad

1676notes mc_partd: Currently have Medicare, Part D coverage.

1677notes tricare: covtricar

1678notes tricare: Health care for active and retired Armed forces, th
  > eir families, and survivors.

1679notes private_ltc: nginsnurs

1680notes private_ltc: Have insurance that would pay for more than a y
  > ear of care in ///
  > nursing home, assisted living, and in own home.

1681notes moved: dadrscorr spadrsnew

1682notes moved: Address same or different address.

1683notes residence: resistrct dresistrct

1684notes residence: Residence physical structure.

1685notes livearrang: lvngarrg dlvngarrg

1686notes livearrang: Living arrangement.

```
1687notes livealone: livearrang dlvngarrg

1688notes livealone: Lives alone

1689foreach x in female race_cat education income_cat otherlang aveinc
   > ome freq_go_out ///
   > help_go_out out_on_own needshelp hasdifficulty helpdiff independen
   > t homebound_cat ///
   > indeplow indephigh never_go_out whiteoth maritalstat mc_partd tric
   > are private_ltc ///
   > moved residence livearrang livealone {
      2. notes `x': Located in NHATS Setup, under Part 3.
      3. notes `x': Updated: 04/18/19-MH
      4. }

1690
1691notes sr_ami_ever: sr_ami_raw disescn1

1692notes sr_ami_ever: If ever had a heart attack or myocardial infarc
   > tion (self-report).

1693notes sr_stroke_ever: sr_stroke_raw disescn8

1694notes sr_stroke_ever: If ever had a stroke (self-report).

1695notes sr_cancer_ever: sr_cancer_raw disescn10

1696notes sr_cancer_ever: If ever had cancer (self-report).

1697notes sr_ami_new: sr_ami_raw disescn1

1698notes sr_ami_new: If heart attack or myocardial infarction within
   > last year (self-report).

1699notes sr_stroke_new: sr_stroke_raw disescn8

1700notes sr_stroke_new: If stroke within last year (self-report).

1701notes sr_cancer_new: sr_cancer_raw disescn10

1702notes sr_cancer_new: If cancer found within last year (self-report
   > ).

1703notes sr_hip_ever: sr_hip_raw brokebon1

1704notes sr_hip_ever: Had ever broken or fractured hip (self-report).

1705notes sr_hip_new: sr_hip_raw brokebon1

1706notes sr_hip_new: Had hip fracture since prev interview (self-repo
   > rt).

1707notes sr_heart_dis_ever: sr_heart_dis_raw disescn2

1708notes sr_heart_dis_ever: Had heart disease ever (self-report)

1709notes sr_heart_dis_new:  sr_heart_dis_raw disescn2

1710notes sr_heart_dis_new: Had heart disease since prev interview (se
   > lf-report).
```

```
1711notes sr_htn_ever: sr_htn_raw disescn3

1712notes sr_htn_ever: Had High blood pressure ever (self-report)

1713notes sr_htn_new:  sr_htn_raw disescn3

1714notes sr_htn_new: Had High blood pressure since prev interview (se
  > lf-report).

1715notes sr_ra_ever: sr_ra_raw disescn4

1716notes sr_ra_ever: Had arthritis ever (self-report)

1717notes sr_ra_new:  sr_ra_raw disescn4

1718notes sr_ra_new: Had arthritis since prev interview (self-report).
  >

1719notes sr_osteoprs_ever: sr_osteoprs_raw disescn5

1720notes sr_osteoprs_ever: Had osteoporosis ever (self-report)

1721notes sr_osteoprs_new:  sr_osteoprs_raw disescn5

1722notes sr_osteoprs_new: Had osteoporosis since prev interview (self
  > -report).

1723notes sr_diabetes_ever: sr_diabetes_raw disescn6

1724notes sr_diabetes_ever: Had diabetes ever (self-report)

1725notes sr_diabetes_new:  sr_diabetes_raw disescn6

1726notes sr_diabetes_new: Had diabetes since prev interview (self-rep
  > ort).

1727notes sr_lung_dis_ever: sr_lung_dis_raw disescn7

1728notes sr_lung_dis_ever: Had lung disease ever (self-report)

1729notes sr_lung_dis_new:  sr_lung_dis_raw disescn7

1730notes sr_lung_dis_new: Had lung disease since prev interview (self
  > -report).

1731notes sr_dementia_ever: sr_dementia_raw disescn9

1732notes sr_dementia_ever: Had dementia ever (self-report)

1733notes sr_dementia_new:  sr_dementia_raw disescn9

1734notes sr_dementia_new: Had dementia since prev interview (self-rep
  > ort).

1735foreach x in sr_ami_ever sr_stroke_ever sr_ami_new sr_stroke_new s
  > r_cancer_new ///
  > sr_cancer_ever sr_hip_ever sr_hip_new sr_heart_dis_ever sr_heart_d
  > is_new ///
  > sr_htn_ever sr_htn_new sr_ra_ever sr_ra_new sr_osteoprs_ever sr_os
  > teoprs_new ///
  > sr_diabetes_ever sr_diabetes_new sr_lung_dis_ever sr_lung_dis_new
  > sr_dementia_ever sr_dementia_new{
  2. notes `x': Located in NHATS Setup, under Part 4.
  3. notes `x': Updated: 04/15/19-MH
  4. }
```

```
1736notes lml_ivw_yes: r*spstat r*status

1737notes lml_ivw_yes: Last wave of life interview.

1738notes srh: hc*health

1739notes srh: Self-reported health. As is.

1740foreach x in lml_ivw_yes srh{
    2. notes `x': Located in NHATS Setup, under Part 3.
    3. notes `x': Updated: 04/25/19-MH
    4. }

1741notes prim_helper_opid: Opid

1742notes prim_helper_opid: Primary helper opid.

1743notes prim_helper_cat: op_hrsmth_i max_hrs_helped  opishelper_allw

1744notes prim_helper_cat: Primary helper is the OP with most hours.

1745notes tot_hrsmonth_help_i: op_hrsmth_i

1746notes tot_hrsmonth_help_i: imputed total number of helper hours re
  > ceived per month.

1747notes n_helpers: op_hrsmth_i

1748notes n_helpers: Number of helpers per spid wave.

1749notes tot_hrswk_help_i: op_hrsmth_i

1750notes tot_hrswk_help_i: imputed total number of helper hours recei
  > ved per week.

1751notes n_family_helpers: op_relationship_cat

1752notes n_family_helpers: OP is a family helper.

1753notes ind_family_helper: op_relationship_cat

1754notes ind_family_helper: Indicate a family helper.

1755notes n_paid_helpers: paid

1756notes n_paid_helpers: Number paid helpers.

1757notes ind_paid_helper: n_paid_helper

1758notes ind_paid_helper: Indicate any paid helper.

1759notes ind_rc_staff: rc_staff

1760notes ind_rc_staff: Indicate facility staff.

1761notes num_helpers_cat: n_helpers

1762notes num_helpers_cat: Categorical number of helpers, 0-2, 3-6, 7+

1763notes tot_hrsmonth_paid_i: phrs
```

```
1764notes tot_hrsmonth_paid_i:  Imputed help received hours per month,
  >  for paid helpers

1765notes tot_hrswk_paid_i: tot_hrsmonth_paid_i

1766notes tot_hrswk_paid_i: Imputed help received hours per week, for
  > paid helpers

1767notes ind_no_helpers: n_helpers

1768notes ind_no_helpers: No reported helpers.

1769foreach x in prim_helper_opid prim_helper_cat tot_hrsmonth_help_i
  > n_helpers tot_hrswk_help_i ///
  > n_family_helpers ind_family_helper n_paid_helpers ind_paid_helper
  > ind_rc_staff num_helpers_cat ///
  > tot_hrsmonth_paid_i tot_hrswk_paid_i ind_no_helpers{
    2. notes `x': Located in NHATS Setup, under Part 6.
    3. notes `x': Updated: 04/25/19-MH
    4. }

1770notes sr_phq2_score: depresan1 depresan2 made into sr_depr_pqq1 sr
  > _depr_pqq2

1771notes sr_phq2_score: Adding sr_depr_pqq1 and sr_depr_pqq2 to get a
  >  score. Had little ///
  > interest doing things; felt hopeless, down, or depressed.

1772notes sr_phq2_depressed: sr_phq2_score

1773notes sr_phq2_depressed: If score is greater 3 or more, then class
  > ified as depressed per PHQ-2.

1774notes sr_gad2_score: sr_anx_gad1 sr_anx_gad2

1775notes sr_gad2_score: Adding sr_anx_gad1 and sr_anx_gad2 to get a s
  > core. Felt nervous, anxious, or on edge; ///
  > been unable to stop or control worrying.

1776notes sr_gad2_anxiety: sr_gad2_score

1777notes sr_gad2_anxiety: If score is greater 3 or more, then classif
  > ied as having anxiety per GAD-2.

1778notes dem_3_cat: disescn9 dem_via_proxy speaktosp

1779notes dem_3_cat: Indicates if SP reported dementia, from either SP
  >  themselves or through proxy.

1780notes dem_2_cat: disescn9 dem_via_proxy speaktosp

1781notes dem_2_cat: Indicates if SP reported dementia. Possible/ prob
  > able dementia status.

1782notes memory: ratememry memrygood

1783notes memory: Rate your memory.

1784foreach x in sr_phq2_score sr_phq2_depressed sr_gad2_score sr_gad2
  > _anxiety dem_3_cat memory{
    2. notes `x': Located in NHATS Setup, under Part 4.
    3. notes `x': Updated: 04/29/19-MH
    4. }
```

```
1785
1786
1787
1788 keep spid old_anfinwgt varstrat varunit wave yearsample r7status r
   > 6status r5status r4status r3status r2status r1status ivw_type sp_i
   > vw_yes lml_ivw_yes proxy_ivw freq_go_out ///
   > help_go_out out_on_own needshelp hasdifficulty helpdiff independen
   > t homebound_cat never_go_out indeplow indephigh age female race_ca
   > t education educ_hs_ind imputed_inc1 ///
   > imputed_inc2 imputed_inc3 imputed_inc4 imputed_inc5 aveincome inco
   > me_cat otherlang white black hisp other_race whiteoth maritalstat
   > medicaid medigap mc_partd tricare ///
   > private_ltc residence livearrang livealone srh srh_fp sr_ami_ever
   > sr_ami_new sr_stroke_ever sr_stroke_new sr_cancer_ever sr_cancer_n
   > ew sr_hip_ever sr_hip_new ///
   > sr_heart_dis_ever sr_heart_dis_new sr_htn_ever sr_htn_new sr_ra_ev
   > er sr_ra_new sr_osteoprs_ever sr_osteoprs_new sr_diabetes_ever sr_
   > diabetes_new sr_lung_dis_ever ///
   > sr_lung_dis_new sr_dementia_ever sr_dementia_new sr_depr_pqq1 sr_d
   > epr_pqq2 sr_anx_gad1 sr_anx_gad2 sr_phq2_score sr_phq2_depressed s
   > r_gad2_score sr_gad2_anxiety ///
   > dem_3_cat dem_2_cat memory sr_numconditions1 fall_last_month adl_e
   > at_diff adl_eat_help adl_eat_not_done adl_bath_diff adl_bath_help
   > adl_bath_not_done adl_toil_diff ///
   > adl_toil_help adl_toil_not_done adl_dres_diff adl_dres_help adl_dr
   > es_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_don
   > e 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_o
   > pid prim_helper_cat ///
   >  tot_hrsmonth_help_i n_helpers tot_hrswk_help_i n_family_helpers i
   > nd_family_helper n_paid_helpers ind_paid_helper ind_rc_staff num_h
   > elpers_cat tot_hrsmonth_paid_i ///
   >  tot_hrswk_paid_i ind_no_helpers metro_ind no_acp formal_acp infor
   > mal_acp acp old_an2011wgt trfinwgt tr2011wgt serarmfor dresslf dre
   > sdif ntlvrmslp eatdev income_quart ///
   >  placedied hospice1 hospice2 hospicelml gripsc1 walksec1 walkhndr1
   >  gripsc2 walksec2 walkhndr2 origwksc nhatswksc nhatsgrav nhatsgrb
   > lst10pnds trytolose evrgowalk vigoractv ///
   >  unwgtloss lowphysact lowenergy oftcheer oftbored oftfol oftupset
   > lifemean confident giveup livingsit selfdeter findway adjchg agefe
   > el mealskip nopayhous nopayutil ///
   >  nopaymed mealskipnum sr_skincancer_had sr_breastcancer_had sr_pro
   > statecancer_had sr_bladdercancer_had sr_crvovrnutrncancer_had sr_c
   > oloncancer_had sr_kidneycancer_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 de
   > vice_bath device_toil device_dres ///
   >  device_any drives avoids ind_transp_disadv get_places1 get_places
   > 2 get_places3 get_places4 get_places5 get_places6 get_places7 marr
   > ied marital_sep marital_div ///
   >  marital_wid marital_nev marriedpartnered marital_sd resspouse hhm
   >  agecat attrelig imprelig visitfrfam impvisit attclub impclub viga
   > ct religvimp smokedever ///
   >  smoke_start_age smoke_stop_age smokesnow numcigsever numcigsnow i
   > nd_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_impair ///
   >  iadl_index iadl_independent iadl_impair adl_diff_index adl_diff_i
   > nd iadl_diff_index iadl_diff_ind ivw_date meals_wheels noone_talk
   > restrnt_takeout nhats_death_day ///
   >  nhats_death_date nhats_death_month nhats_death_year eligible_nsoc
   >  completed_nsoc total_caregiver_comp total_caregiver_elig adverse
   > adverse_laun adverse_shop ///
   >  adverse_meal adverse_bank adverse_eat adverse_bath adverse_toil a
   > dverse_dres adverse_out adverse_insd adverse_bed lim_fav lim_fav_y
   > r cohesion_knowwell cohesion_willing ///
```

```
  >   cohesion_peop cohesion home_disorder_insd home_disorder_outsd hom
  > e_disorder_area home_disorder_clutter creditdebt medcreditdebt med
  > billsovertime medpaynotcash finhlpfam ///
  >   fingftfam govtasst ownhome rent mortgagepaidoff paysmortgage mort
  > paymt timeinmort owedonmort homevalue rentpaid section8 n_social_n
  > etwork division region northeast ///
  >   midwest south west n_children stairs_ind livesalone_ind ind_kids
  > eat_jenny toil_jenny insd_jenny bed_jenny dres_jenny bath_jenny ad
  > lcount_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 so
  > n_help_ind tot_sonhrs otherfamily_help_ind ///
  >   tot_otherfamilyhrs paid_help_ind tot_paidhrs otherinformal_help_i
  > nd tot_otherinformalhrs 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_m
  > edicare any_paid_by_medicaid any_paid_by_state ///
  >   ind_gt20hrs_wk_inf ind_gt20hrs_wk_paid anfinwgt an2011wgt death_*
  >   died_12 died_24 *_lml qoc_lml_e

1789
1790
1791saveold "E:\nhats\data\NHATS cleaned\sp_round_1_7", replace versio
  > n(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

1792
1793gen time2d=mofd(nhats_death_date)-mofd(ivw_date)
  (39,184 missing values generated)

1794
1795foreach 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 NH
  > ATS)"
    4.
1796}
  (2,671 missing values generated)
  (2,671 missing values generated)

1797
1798capture log close
```