



```

-----
      name: <unnamed>
      log:  E:\nhats\nhats_code\NHATS data setup\logs\NHATS_setup1_1_Feb_2019.
> smcl
      log type:  text
      opened on:  1 Feb 2019, 16:57:39

```

```

1 .
2 .
3 . /*Combines rounds 1 and 2 sample person SP interview files,
> sensitive demo files and the round 2 cumulative tracker file case
> status 1 into a single file
>
> Data format is multiple observations per subject, one for each round
> */
4 . *****
5 .
6 . forvalues w=1/7 {
      2. //round w
7 . use "${r`w'raw}NHATS_Round_`w'_SP_File.dta"
      3. //check to make sure sample ids are unique
8 . sort spid
      4. quietly by spid: gen dup = cond(_N==1,0,_n)
      5. tab dup
      6. capture gen wave=`w'
      7. la var wave "Survey wave"
      8. save round_`w'_1.dta, replace
      9. clear
     10. }

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      8,245      100.00     100.00
-----+-----
      Total |      8,245      100.00
file round_1_1.dta saved

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      7,075      100.00     100.00
-----+-----
      Total |      7,075      100.00
file round_2_1.dta saved

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      5,799      100.00     100.00
-----+-----
      Total |      5,799      100.00
file round_3_1.dta saved

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      4,737      100.00     100.00
-----+-----
      Total |      4,737      100.00
file round_4_1.dta saved

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      8,334      100.00     100.00
-----+-----
      Total |      8,334      100.00
file round_5_1.dta saved

```

```

      dup |      Freq.      Percent      Cum.
-----+-----
      0 |      7,276      100.00     100.00
-----+-----
      Total |      7,276      100.00
file round_6_1.dta saved

```

dup	Freq.	Percent	Cum.
0	6,312	100.00	100.00
Total	6,312	100.00	

file round_7_1.dta saved

```

9 .
10. //round 1
11. forvalues w=1/7{
12.   use round_`w'_1.dta
13.   if `w'!=1 local pd pd*
14.   //keep selected variables only
15.   local keepallwaves spid wave r`w'dresid w`w'varunit w`w'anfinwgt0 w`w'varstrat
16.   ///
17.   mo* r`w'd2intvrage hh`w'martlststat ///
18.   ip`w'cmedicaid ip`w'mgapmedsp ip`w'nginsnurs ip`w'covmedcad ip`w'covtr
19.   icar ///
20.   hh* hc* ss* pc* cp* cg* ha* sc* mc* sd* pa* hw* ///
21.   is`w'* ht`w'placedesc fl`w'* ir* cm* ew* hp* sn* dt* `pd' gr* wa* r`w'
22.   dorigwksc ///
23.   r`w'dnhatswksc r`w'dnhatsgrav r`w'dnhatsgrb wb* ho* cs*
24.   5.
25.   if `w'==1 {
26.     keep `keepallwaves' r`w'dgender rl`w'dracehisp rl`w'spkothlan rl`w'condspan
27.     h el`w'higstschl ///
28.     ia`w'* re`w'resistrct reldcensdiv valserarmfor
29.     7.
30.     rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
31.     > `w'* ///
32.     sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
33.     > p`w'* ///
34.     sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* rl`w'* el`w'* ia`w'* re`w'* v
35.     > a`w'*) ///
36.     (*)
37.     8. destring dfavact, replace
38.     9. }
39.     10.
40.   if `w'==2 {
41.     11. keep `keepallwaves' re2intplace re2newstrct re2spadrsnew re2dresistrct ///
42.     > re2dadrscorr re2dcensdiv ip2nginslast ep2eoltalk ep2poweratty ep2livng
43.     > will
44.     12.
45.     rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
46.     > `w'* ///
47.     sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
48.     > p`w'* ///
49.     sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* pd`w'* ep`w'*) ///
50.     (*)
51.     13. }
52.     14.
53.   if `w'==3 {
54.     15. keep `keepallwaves' re3intplace re3newstrct re3spadrsnew re3dresistrct ///
55.     > re3dcensdiv ip3nginslast ia*
56.     16.
57.     rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
58.     > `w'* ///
59.     sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
60.     > p`w'* ///
61.     sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* ia`w'* pd`w'*) ///
62.     (*)
63.     17. }
64.     18. if `w'==4 {
65.     19. keep `keepallwaves' re4intplace re4newstrct re4spadrsnew re4dresistrct ///
66.     > re4dcensdiv ip4nginslast
67.     20.

```

```

21. rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
> `w'* ///
> sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
> p`w'* ///
> sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* pd`w'*) ///
> (*)
21. }
22. if `w'==5 {
23. keep `keepallwaves' r`w'dgender rl`w'dracehisp rl`w'spkothlan rl`w'condspan
> h el`w'higstschl re5intplace re5newstrct re5spadrsnew re5dresistrct ///
> re5dcensdiv ip5nginslast ia`w'* va5serarmfor w5an2011wgt0
24.
22. rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
> `w'* ///
> sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
> p`w'* ///
> sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* rl`w'* el`w'* ia`w'* re`w'* v
> a`w'* pd`w'*) ///
> (*)
25. }
26. if `w'==6 {
27. keep `keepallwaves' re6intplace re6newstrct re6spadrsnew re6dresistrct ///
> re6dcensdiv ip6nginslast w6an2011wgt0
28.
23. rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
> `w'* ///
> sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
> p`w'* ///
> sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* pd`w'*) ///
> (*)
29. }
30. if `w'==7 {
31. keep `keepallwaves' re7intplace re7newstrct re7spadrsnew re7dresistrct ///
> re7dcensdiv ip7nginslast ia`w'* w7an2011wgt0
32.
24. rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
> `w'* ///
> sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
> p`w'* ///
> sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* ia`w'* pd`w'*) ///
> (*)
33. }
34.
25. save round_`w'_ltd.dta, replace
35. }
dfavact: all characters numeric; replaced as int
file round_1_ltd.dta saved
file round_2_ltd.dta saved
file round_3_ltd.dta saved
file round_4_ltd.dta saved
file round_5_ltd.dta saved
file round_6_ltd.dta saved
file round_7_ltd.dta saved

26.
27. //check sensitive data files, keep only some variables, merge with ltd dataset
> s
28. forvalues w=1/7{
2. use "${r`w's}NHATS_Round_`w'_SP_Sen_Dem_File.dta"
3. sort spid
4. quietly by spid: gen dup = cond(_N==1,0,_n)
5. tab dup
6. clear
7. }

```

dup	Freq.	Percent	Cum.
0	8,245	100.00	100.00
Total	8,245	100.00	

dup	Freq.	Percent	Cum.
0	7,075	100.00	100.00
Total	7,075	100.00	

dup	Freq.	Percent	Cum.
0	5,799	100.00	100.00
Total	5,799	100.00	

dup	Freq.	Percent	Cum.
0	4,737	100.00	100.00
Total	4,737	100.00	

dup	Freq.	Percent	Cum.
0	8,334	100.00	100.00
Total	8,334	100.00	

dup	Freq.	Percent	Cum.
0	7,276	100.00	100.00
Total	7,276	100.00	

dup	Freq.	Percent	Cum.
0	6,312	100.00	100.00
Total	6,312	100.00	

```

29.
30. //combine waves into single dataset
31. use round_1_ltd.dta

32. forvalues w=2/7{
    2. append using round_`w'_ltd.dta
    3. }
(note: variable dproxyid was str4, now str12 to accommodate using data's
values)
(note: variable dspouseid was str4, now str12 to accommodate using data's
values)
(label paldiv2favact already defined)
(label paldiv2favact already defined)
(note: variable dfavact was int, now double to accommodate using data's
values)
(label paldiv2favact already defined)
(label pa5dfavact already defined)
(label pa5dfavact already defined)

33.
34. /*label values dfavact pa5dfavact
>
> foreach x of varlist _all {
>   capture drop newvar
>   gen newvar=substr(`x'
> }
> capture drop newvar
> gen
> */

```

35. preserve

36.

```
37. forvalues w=1/7{
    2. use "${r`w's}NHATS_Round_`w'_SP_Sen_Dem_File.dta", clear
    3. gen wave=`w'
    4. rename (r`w'* hh`w'*) (*)
    5. if `w'==1 {
    6. rename (rl`w'* hc`w'*) (*)
    7. }
    8. if `w'!=1 {
    9. rename (pd`w'*) (*)
    10. }
    11. save "${r`w's}NHATS_Round_`w'_SP_Sen_Dem_File_new.dta", replace
    12. }
file E:\nhats\data\NHATS Sensitive\rl_sensitive\NHATS_Round_1_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r2_sensitive\NHATS_Round_2_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r3_sensitive\NHATS_Round_3_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r4_sensitive\NHATS_Round_4_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r5_sensitive\NHATS_Round_5_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r6_sensitive\NHATS_Round_6_SP_Sen_Dem_File_ne
> w.dta saved
file E:\nhats\data\NHATS Sensitive\r7_sensitive\NHATS_Round_7_SP_Sen_Dem_File_ne
> w.dta saved
```

38.

```
39. use "${r1s}NHATS_Round_1_SP_Sen_Dem_File_new.dta", clear
```

40.

41. restore

42.

```
43. //merge in sensitive data, use r1 as basis, added in cancer vars
44. merge m:1 spid wave using "${r1s}NHATS_Round_1_SP_Sen_Dem_File_new.dta", ///
>     keepusing(dbirthmth dbirthyr dintvwra ge modob yrdob dspousage ///
>     primarace hisplatno cancerty*) nogen
```

Result	# of obs.
not matched	39,533
from master	39,533
from using	0
matched	8,245

45.

```
46. //merge in additional r2 sensitive data
```

```
47. merge m:1 spid using "${r2s}NHATS_Round_2_SP_Sen_Dem_File_new.dta", ///
>     keepusing(dintvwra ge dspousage ddeathage mthdied yrdied) nogen
(label r1dbirthmth already defined)
```

Result	# of obs.
not matched	12,036
from master	12,036
from using	0
matched	35,742

```

48.
49. //merge in additional r3 sensitive data
50. merge m:1 spid using "${r3s}NHATS_Round_3_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwrage dspousage ddeathage mthdied yrdied) nogen
(label r1dbirthmth already defined)

```

Result	# of obs.
not matched	14,588
from master	14,588
from using	0
matched	33,190

```

51.
52. //merge in additional r4 sensitive data
53. merge m:1 spid using "${r4s}NHATS_Round_4_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwrage dspousage ddeathage mthdied yrdied) nogen
(label r1dbirthmth already defined)
(label r1dbirthyr already defined)

```

Result	# of obs.
not matched	17,774
from master	17,774
from using	0
matched	30,004

```

54.
55. //merge in additional r5 sensitive data
56. merge m:1 spid using "${r5s}NHATS_Round_5_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwrage spageall ddeathage mthdied yrdied) nogen

```

Result	# of obs.
not matched	9,248
from master	9,248
from using	0
matched	38,530

```

57.
58. //merge in additional r6 sensitive data
59. merge m:1 spid using "${r6s}NHATS_Round_6_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwrage spageall ddeathage mthdied yrdied) nogen
(label r5dbirthmth already defined)
(label r5dbirthyr already defined)

```

Result	# of obs.
not matched	12,214
from master	12,214
from using	0
matched	35,564

```

60.
61. //merge in additional r7 sensitive data
62. merge m:1 spid using "${r7s}NHATS_Round_7_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwrage spageall ddeathage mthdied yrdied) nogen
      (label r5dbirthmth already defined)
      (label r5dbirthyr already defined)

      Result                                     # of obs.
      -----
      not matched                               15,926
          from master                           15,926
          from using                             0
      matched                                   31,852
      -----

63.
64.
65. tempfile nhats

66. save "`nhats'"
      file C:\Users\husaim03\AppData\Local\Temp\9\ST_264314_000002.tmp saved

67.
68.
69. //Going to tracker to rename variables.
70.
71. use "${r7raw}NHATS_Round_7_Tracker_File", clear

72.
73.
74.
75. keep spid yearsample ///
> w7trfinwgt0 w7tr2011wgt0 r7status r7spstat r7spstatdmt r7spstatdtyr r7fqstatd
> tmt ///
> w6trfinwgt0 w6tr2011wgt0 r6status r6spstat r6spstatdmt r6spstatdtyr r6fqstatd
> tmt ///
> w5trfinwgt0 w5tr2011wgt0 r5status r5spstat r5spstatdmt r5spstatdtyr r5fqstatd
> tmt ///
> w4trfinwgt0                                r4status r4spstat r4spstatdmt r4spstatdtyr r
> 4fqstatdmt ///
> w3trfinwgt0                                r3status r3spstat r3spstatdmt r3spstatdtyr r
> 3fqstatdmt ///
> w2trfinwgt0                                r2status r2spstat r2spstatdmt r2spstatdtyr r
> 2fqstatdmt ///
> w1trfinwgt0                                r1status r1spstat r1spstatdmt r1spstatdtyr r
> 1fqstatd*

76.
77. forvalues w=1/7{
      2.
78. rename (r`w'* w`w'*) (*w`w')
      3. }

79.
80. reshape long trfinwgt0w tr2011wgt0w statusw spstatw spstatdmtw spstatdtyrw fq
> statdmtw fqstatdtyrw, i(spид) j(wave)
      (note: j = 1 2 3 4 5 6 7)
      (note: tr2011wgt0w1 not found)
      (note: tr2011wgt0w2 not found)
      (note: fqstatdtyrw2 not found)
      (note: tr2011wgt0w3 not found)
      (note: fqstatdtyrw3 not found)
      (note: tr2011wgt0w4 not found)
      (note: fqstatdtyrw4 not found)
      (note: fqstatdtyrw5 not found)
      (note: fqstatdtyrw6 not found)
      (note: fqstatdtyrw7 not found)

```

```

Data                                wide  ->  long
-----
Number of obs.                     19530 -> 136710
Number of variables                   48 ->    11
j variable (7 values)                ->  wave
xij variables:
trfinwgt0w1 trfinwgt0w2 ... trfinwgt0w7 -> trfinwgt0w
tr2011wgt0w1 tr2011wgt0w2 ... tr2011wgt0w7 -> tr2011wgt0w
      statusw1 statusw2 ... statusw7 -> statusw
      spstatw1 spstatw2 ... spstatw7 -> spstatw
spstatdtmtw1 spstatdtmtw2 ... spstatdtmtw7 -> spstatdtmtw
spstatdtyrw1 spstatdtyrw2 ... spstatdtyrw7 -> spstatdtyrw
fqstatdtmtw1 fqstatdtmtw2 ... fqstatdtmtw7 -> fqstatdtmtw
fqstatdtyrw1 fqstatdtyrw2 ... fqstatdtyrw7 -> fqstatdtyrw
-----

```

```

81.
82. rename (*w) (*)

83.
84. tempfile tracker

85. save "`tracker'"
    file C:\Users\husaim03\AppData\Local\Temp\9\ST_264314_000003.tmp saved

86.
87. use "`nhats'", clear

88.
89. //3B?
90. //merge in tracker status information
91. merge 1:1 spid wave using "`tracker'"

```

```

      Result                                # of obs.
      -----
not matched                                88,932
      from master                                0  (_merge==1)
      from using                                88,932  (_merge==2)

matched                                    47,778  (_merge==3)
-----

```

```

92.
93. //merge in nsoc tracker information
94. merge m:1 spid using "${r1s}NSOC_Round_1_SP_tracker_file", nogen

```

```

      Result                                # of obs.
      -----
not matched                                78,995
      from master                                78,995
      from using                                0

matched                                    57,715
-----

```

```

95. //drop obs that are in tracker file but not sp file
96. drop if _merge==2
    (88,932 observations deleted)

97. drop _merge

```



```

98. save round_1_to_7.dta, replace
   file round_1_to_7.dta saved

99.
100 //old version of stata
101 forvalues w=1/7{
    2. clear all
    3. use "E:\nhats\data\NHATS Public\round_`w'\NHATS_Round_`w'_SP_File.dta"
    4. saveold "E:\nhats\data\NHATS Public\round_`w'\NHATS_Round_`w'_SP_File_stata
> 12.dta", replace version(12)
    5. }
(saving in Stata 12 format, which can be read by Stata 11 or 12)
file E:\nhats\data\NHATS Public\round_1\NHATS_Round_1_SP_File_stata12.dta saved
(saving in Stata 12 format, which can be read by Stata 11 or 12)
note: variable label "R2 F SS DEAF PRIOR OR CURRENT ROUND " contains unicode
and thus may not display well in Stata 13.
file E:\nhats\data\NHATS Public\round_2\NHATS_Round_2_SP_File_stata12.dta saved
(saving in Stata 12 format, which can be read by Stata 11 or 12)
file E:\nhats\data\NHATS Public\round_3\NHATS_Round_3_SP_File_stata12.dta saved
(saving in Stata 12 format, which can be read by Stata 11 or 12)
file E:\nhats\data\NHATS Public\round_4\NHATS_Round_4_SP_File_stata12.dta saved
(saving in Stata 12 format, which can be read by Stata 11 or 12)
file E:\nhats\data\NHATS Public\round_5\NHATS_Round_5_SP_File_stata12.dta saved
(saving in Stata 12 format, which can be read by Stata 11 or 12)
file E:\nhats\data\NHATS Public\round_6\NHATS_Round_6_SP_File_stata12.dta saved
(saving in Stata 12 format, which can be read by Stata 11 or 12)
file E:\nhats\data\NHATS Public\round_7\NHATS_Round_7_SP_File_stata12.dta saved

102
103 *****
104 log close
    name: <unnamed>
    log:  E:\nhats\nhats_code\NHATS data setup\logs\NHATS_setup1_1_Feb_2019.
> smcl
    log type:  text
    closed on:  1 Feb 2019, 16:58:02
-----

```