



```

-----
      name: <unnamed>
      log:  E:\nhats\nhats_code\NHATS data setup\logs\1-combine_waves_6_Feb_20
> 19.smcl
      log type:  text
      opened on:   6 Feb 2019, 10:29:20

```

```

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/$w {
7 .   2. //round w
8 .   3. use "${r`w'raw}\NHATS_Round_`w'_SP_File.dta"
9 .   3. //check to make sure sample ids are unique
10 . sort spid
11 .   4. quietly by spid: gen dup = cond(_N=1,0,_n)
12 .   5. tab dup
13 .   6. capture gen wave=`w'
14 .   7. la var wave "Survey wave"
15 .   8. save round_`w'_1.dta, replace
16 .   9. clear
17 . 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/$w{
12.   use round_`w'_1.dta
13.   3.
14.   if `w'!=1 local pd pd*
15.   4.
16.   //keep selected variables only
17.   local keepallwaves spid wave r`w'dresid w`w'varunit w`w'anfinwgt0 w`w'varstrat
18.   > ///
19.   >         mo* r`w'd2intvrage hh`w'martlststat ///
20.   >         ip`w'cmedicaid ip`w'mgapmedsp ip`w'nginsnurs ip`w'covmedcad ip`w'covtr
21.   > icar ///
22.   >         hh* hc* ss* pc* cp* cg* ha* sc* mc* sd* pa* hw* ///
23.   >         is`w'* ht`w'placedesc fl`w'* ir* cm* ew* hp* sn* dt* `pd' gr* wa* r`w'
24.   > dorigwksc ///
25.   >         r`w'dnhatswksc r`w'dnhatsgrav r`w'dnhatsgrb wb* ho* cs*
26.   5.
27.   if `w'==1 {
28.     6. keep `keepallwaves' r`w'dgender rl`w'dracehisp rl`w'spkothlan rl`w'condspan
29.     > h el`w'higstschl ///
30.     >         ia`w'* re`w'resistrct reldcensdiv valserarmfor
31.     7.
32.     rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
33.     > `w'* ///
34.     > sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
35.     > p`w'* ///
36.     > sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* rl`w'* el`w'* ia`w'* re`w'* v
37.     > a`w'*) ///
38.     > (*)
39.     8. deststring dfavact, replace
40.     9. }
41.   10.
42.   if `w'==2 {
43.     11. keep `keepallwaves' re2intplace re2newstrct re2spadrsnew re2dresistrct ///
44.     >         re2dadrscorr re2dcensdiv ip2nginslast ep2eoltalk ep2poweratty ep2livng
45.     > will
46.     12.
47.     rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
48.     > `w'* ///
49.     > sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
50.     > p`w'* ///
51.     > sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* pd`w'* ep`w'*) ///
52.     > (*)
53.     13. }
54.     14.
55.   if `w'==3 {
56.     15. keep `keepallwaves' re3intplace re3newstrct re3spadrsnew re3dresistrct ///
57.     >         re3dcensdiv ip3nginslast ia*
58.     16.
59.     rename (r`w'* w`w'* mo`w'* hh`w'* ip`w'* hc`w'* ss`w'* pc`w'* cp`w'* cg`w'* ha
60.     > `w'* ///
61.     > sc`w'* mc`w'* sd`w'* pa`w'* hw`w'* is`w'* ht`w'* fl`w'* ir`w'* cm`w'* ew`w'* h
62.     > p`w'* ///
63.     > sn`w'* dt`w'* gr`w'* wa`w'* wb`w'* ho`w'* cs`w'* re`w'* ia`w'* pd`w'*) ///
64.     > (*)
65.     17. }
66.     18. if `w'==4 {
67.       19. keep `keepallwaves' re4intplace re4newstrct re4spadrsnew re4dresistrct ///
68.       >         re4dcensdiv ip4nginslast
69.       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/$w{
2. use "${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/$w{
    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. preserve

35.
36. forvalues w=1/$w{
    2. use "${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

```

```

37.
38. use "${r1s}\NHATS_Round_1_SP_Sen_Dem_File_new.dta", clear

```

```

39.
40. restore

```

```

41.
42. //merge in sensitive data, use r1 as basis, added in cancer vars
43. merge m:1 spid wave using "${r1s}\NHATS_Round_1_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dbirthmth dbirthyr dintvwrage modob yrdob dspousage ///
>      primarace hisplatno cancerty*) nogen

```

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

```

44.
45. //merge in additional r2 sensitive data
46. merge m:1 spid using "${r2s}\NHATS_Round_2_SP_Sen_Dem_File_new.dta", ///
>      keepusing(dintvwrage 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

```

47.
48. //merge in additional r3 sensitive data
49. 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

```

50.
51. //merge in additional r4 sensitive data
52. 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

```

53.
54. //merge in additional r5 sensitive data
55. 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

```

56.
57. //merge in additional r6 sensitive data
58. 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

```

59.
60. //merge in additional r7 sensitive data
61. 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

```

62.
63.
64. tempfile nhats

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

66.
67.
68. //Going to tracker to rename variables.
69.
70. use "${r7raw}NHATS_Round_7_Tracker_File", clear

71.
72.
73. 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
    > 1fqstatdmt*

74.
75. forvalues w=1/$w{
    2.
76. rename (r`w'* w`w'*) (*w`w')
    3. }

77.
78. 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
spstatdmtw1 spstatdmtw2 ... spstatdmtw7 -> spstatdmtw
spstatdtyrw1 spstatdtyrw2 ... spstatdtyrw7 -> spstatdtyrw
fqstatdmtw1 fqstatdmtw2 ... fqstatdmtw7 -> fqstatdmtw
fqstatdtyrw1 fqstatdtyrw2 ... fqstatdtyrw7 -> fqstatdtyrw

```

```

79.
80. rename (*w) (*)

81.
82. tempfile tracker

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

84.
85. use "`nhats'", clear

86.
87. //3B?
88. //merge in tracker status information
89. 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)

```

90.
91. //merge in nsoc tracker information
92. 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

```

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

```

```

95. drop _merge

```

```

96. save round_1_to_$w.dta, replace
    file round_1_to_7.dta saved

```

```

97.
98. //old version of stata
99. forvalues w=1/$w{
    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

```



```
100
101 *****
102 log close
      name: <unnamed>
      log: E:\nhats\nhats_code\NHATS data setup\logs\1-combine_waves_6_Feb_20
> 19.smcl
      log type: text
      closed on: 6 Feb 2019, 10:29:44
-----
```