Posted by Janet-DHS on Thu, 28 Mar 2024 19:15:51 GMT
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Following is a response from DHS staff member, Tom Pullum:

You have to use hv112 and hv114 to match children with their mothers and fathers. You can't do it with hv101.

Below I will paste a Stata program to do this. I don't use R but hope you can convert to R. It could be more efficient but it runs very quickly. This constructs a new file, with the variables renamed to have suffix "child", "mother" and "father". The cases are children age 0-17. The education variables are hv106-hv109 and hv121-hv124. A 2x2 table is produced describing the matches. Hope this helps.

```
* specify a workspace
cd e:\DHS\DHS_data\scratch

* The education variables are hv106-hv109, hv121-hv124

* Make a file of potential mothers
use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\UGPR7BFL.DTA", clear
keep if hv104==2
drop if hv105<=17
keep hv*
rename hv001 cluster
rename hv002 hh
rename hvidx mo_line
rename hv114 fa_line
rename hv* hv*_mother
save mother.dta, replace
* Make a file of potential fathers
use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\UGPR7BFL.DTA", clear
keep if hv104==1
drop if hv105<=17
keep hv*
rename hv001 cluster
rename hv002 hh
rename hvidx fa_line
rename hv* hv*_father
save father.dta, replace

* Make a file of children age 0-17
use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\UGPR7BFL.DTA", clear
keep if hv105<=17
keep hv*
rename hv001 cluster
rename hv002 hh
```

```
rename hv112 mo_line
rename hv114 fa_line
rename hv* hv*_child

gen child=1
tab child
label define noyes 1 "No" 3 "Yes"
quietly merge m:1 cluster hh mo_line using mother.dta
rename _merge mother_matched
label values mother_matched noyes
keep if child==1
quietly merge m:1 cluster hh fa_line using father.dta
rename _merge father_matched
label values father_matched noyes
keep if child==1

tab *matched

. tab *matched

mother_mat |    father_matched
    ched |     No     Yes |    Total
-----------+--------------------+----------
      No |   10,095    3,095 |   13,190
     Yes |   10,828   26,454 |   37,282
-----------+--------------------+----------
   Total |   20,923   29,549 |   50,472

* save this file
```