
Subject: Merging children, mother, and father's characteristics

Posted by [fraeus](#) on Fri, 11 Aug 2023 00:53:20 GMT

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Hi, I am working on Rwanda DHS VII. I need to do an analysis where my dependent variables will be children's nutritional outcomes, but keeping the information for their mothers, fathers and households. Also, I need that the unit of analysis remains the household, so to be able to calculate in my final dataset key variables, for instance mortality rates etc.

is this possible?

thank you

best,
Francesca

Subject: Re: Merging children, mother, and father's characteristics

Posted by [Bridgette-DHS](#) on Tue, 15 Aug 2023 20:09:25 GMT

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Following is a response from Senior DHS staff member, Tom Pullum:

It sounds like your unit of analysis is children, not households. I recommend that you use the KR (child) file. Each child's record includes almost all of the variables for the mother: all of the "v" variables in the KR file pertain to the mother. For household-level variables that you also want to attach to the child's record, use the Stata lines that I will paste below. Attaching the father's data is more difficult. If the father is in the household, his line number is given by hv114 on the child's record in the PR file. It's a complex merge and you lose the children whose father is not in the household. The steps are described in other posts.

* Stata program to copy household-level variables into the KR file

* Specify workspace

```
cd e:\DHS\DHS_data\scratch
```

* Prepare household data

```
use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\RWHR81FL.DTA", clear
drop * _*
rename hv001 cluster
rename hv002 hh
sort cluster hh
save NGHR81_temp.dta, replace
```

* Prepare the KR file and merge

```
use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\RWKR81FL.DTA", clear
```

```
rename v001 cluster  
rename v002 hh  
sort cluster hh  
merge m:1 cluster hh using NGHR81_temp.dta  
keep if _merge==3  
drop _merge
```
