Subject: Re: underfive children HW data: why missing a lot in IR files

Posted by bun_2019fall on Fri, 11 Mar 2022 17:40:35 GMT

View Forum Message <> Reply to Message

Hi thank you so much for the detailed response. I replicate your way of tabulation in the PR file and what I observed is consistent with your tabulation/explanation. I did a comparison of PR and IR file, and I am still confuse about the gap between IR and PR files, regarding under-five children and their anthropometric data. Below is the Stata scripts that I used to make the comparison (taking Nigeria as an example).

Briefly, I found that in IR files, there are (way) more under-five children as reported by each interviewed women (I use b8_ to tabulate, which indicates children's current age). In the example of Nigeria, there are more than 30K under-five children. Amongst all these children, a subsample has HW measures - which is correspond with the sample size of children having HC measures in PR files. According to this comparison, it seems to me that:

1.not all under-five children reported in IR files have anthropometric measures
2. all under-five children in PR files have anthropometric measures

My question is that why some under-five children sample in #1 (IR files) were not measured for height and weight? This discrepancy not only exist for this Nigeria file; but I observe similar patterns for other country data as well (at least for the 30+ countries that I am working with). I wonder what documentation I should refer to, in order to resolve this puzzle? Thank you again!!!

```
clear all
set maxvar 20000

***Nigeria PR file
use "NGPR7AFL.DTA", clear
*total # of underfive children
gen underfive=1 if hc1 < 60
tab underfive
*12,867 underfive
sum hc7*
*12.5K children have hw info
gen momid=hc60
tab momid
*moms not in IR file
recode momid 993/995=.
drop if momid==.
sum hc7*
*recode the invalid hc values
recode hc70 9996/9999=.
recode hc71 9996/9999=.
recode hc72 9996/9999=.
```

```
*all underfive children having valid anthropometric data: 11.4k
sum hc7*

*** Nigeria IR file
use "NGIR7AFL.DTA", clear
forvalues i=1/6{
 gen underfive`i'=1 if b8_0`i' < 5
}
sum underfive*
keep caseid underfive* hw7*
reshape long underfive hw7_ hw70_ hw71_ hw72_ hw73_ , i(caseid) j(birth)
drop if underfive==.
*30,713 underfive: ALL children
sum hw7*
*recode the invalid hw values
recode hw70_ 9996/9999=.
recode hw71_ 9996/9999=.
recode hw72_ 9996/9999=.
recode hw73_ 9996/9999=.
*underfive children having valid anthropometric data: 11.4k
sum hw7*
```