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Subject: anaemia in children

Posted by [kclakhara](#) on Sun, 24 Jul 2022 10:43:48 GMT

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Dear Sir/Madam,

I am not getting reported figures of "Table 10.12 Prevalence of anaemia in children" from the NFHS-5 raw data.

I used condition (SPSS) for the base number is:  
sel if (hv103=1 and hc1>=6 and hc1<=59 and hc55=0) .

Variable used for Anaemia status:

```
recode hc57 (3=1) (2=2) (1=3) (4=4) (8=8) (9=9) (missing=9) into anamia.  
var lab anamia 'Anaemia status'.  
val lab anamia 1 'Mild' 2 'Moderate' 3 'Sever' 4 'Not anemic' 9 'Missing'.
```

Is there are any error in the syntax? Please suggest, how to get reported figures.

Regards,

Kailash

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Subject: Re: anaemia in children

Posted by [Sadhvi](#) on Mon, 28 Nov 2022 17:14:35 GMT

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Same here. I am not getting the reported figures too.  
I am getting it as 68.1 instead of 67.1%.

Any help would be greatly appreciated.

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Subject: Re: anaemia in children

Posted by [Bridgette-DHS](#) on Tue, 29 Nov 2022 13:45:02 GMT

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

The Stata code below matches the bottom ("Total") row of table 10.12 in the NFHS-5 report, including the percentages and the n. It is not necessary to include hc55 in the recode.

```
tab hc57 if hv103==1 & hc1>=6 & hc1<=59 [iweight=hv005/1000000]  
gen any_anemia=0 if hv103==1 & hc1>=6 & hc1<=59 & hc57<=4  
replace any_anemia=1 if hv103==1 & hc1>=6 & hc1<=59 & hc57<=3
```

tab any\_anemia [iweight=hv005/1000000]

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Subject: Re: anaemia in children  
Posted by [Sadhvi](#) on Wed, 30 Nov 2022 06:00:04 GMT  
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Hi.  
The following is the code in r that I am using.

```
hh_recode = read_sas("Path\\IAPR7BFL.SAS7BDAT")
```

```
# Here I am filtering out the children who slept in the household last night, and aged 6 to 59 months and have a non-NA value for the anaemia status - HC57  
cleanedAneSubsetNfhs5 = hh_recode[hh_recode$HV103 == 1 & !is.na(hh_recode$HC1) &  
hh_recode$HC1 > 5 & hh_recode$HC1 < 60 & !is.na(hh_recode$HC57),]
```

```
#overall anaemia  
weightedSample = sum(cleanedAneSubsetNfhs5$HV005)/ 1000000
```

```
#now filtering out the children who have mild, moderate or severe anaemia as given by the variable HC57.
```

```
WeightedAnChildren = sum(cleanedAneSubsetNfhs5$HV005[cleanedAneSubsetNfhs5$HC57  
%in% c(1,2,3)]) / 1000000  
anemiaPrevalence = WeightedAnChildren/weightedSample
```

```
# Results: The total sample that turns out is 178952.3 but the number given in table 10.12 of the national report is 152,752. And the prevalence of anemia in children 6 to 59 months is 68.07%
```

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Subject: Re: anaemia in children  
Posted by [Bridgette-DHS](#) on Wed, 30 Nov 2022 17:06:57 GMT  
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Following is a response from Senior DHS staff member, Tom Pullum:

I think there is some confusion about which NFHS we are talking about. I believe the original question was about the NFHS-4. The code I gave, when run for IAPR74FL.dta, matches the n in table 10.12 of the NFHS-4 report--205,035. It also matches the percentages in that table.

You must be talking about NFHS-5. I made a mistake when I referred to NFHS-5 on Nov. 29, because I had actually only applied the code to the NFHS-4 data. When I now apply the same code to the NFHS-5 data, IAPR7DFL.dta, I get the same n as you: 178,952, whereas the n in the report is 152,752.

In general, the design, tabulation plan, and computer code for the NFHS-4 and NFHS-5 are identical.

I have just looked at the CSPro code for this table in the NFHS-5. It includes the restrictions on hv103 and hc1. It does include a restriction to hc55=0, which was not needed to match the table for the NFHS-4. That gets the n down to 178,858. There are no other restrictions. To match 152,752 we would have to drop nearly 26 thousand children. I have no idea how to do this.

This is one of several tables that I cannot match in the NFHS-5 final report. I personally believe that the table in the report is incorrect. Perhaps other users can suggest a good reason why approximately 26,000 valid measurements of children's anemia in the household survey were omitted from table 10.12.

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Subject: Re: anaemia in children  
Posted by [Sadhvi](#) on Fri, 02 Dec 2022 05:26:49 GMT  
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Thank you Bridgette for your support and thank you Tom Pullum for confirming my doubts.

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