
Subject: Children age 6-59 months who are anaemic (<11.0 g/dl)

Posted by [Nikita@123](#) on Fri, 13 Dec 2024 17:55:43 GMT

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I am trying to calculate the prevalence of anemia among children aged 6-59 months using the NFHS-5 dataset, but my results are not aligning with the NFHS-5 report. Below are the steps and issues encountered:

Current Approach

Dataset and Variables Used:

PR file of NFHS-5.

Code Used:

stata code

drop any_anem

gen any_anem = 0 if hc55 == 0 & hv103 == 1 & (hc1 > 5 & hc1 < 60) & hv042 == 1

replace any_anem = 1 if hc57 < 4 & any_anem != .

mean any_anem [iw=wt] if hv024 == 9, over(shdist)

Indicator Definition:

Children aged 6-59 months who are anemic (<11.0 g/dl).

Issue:

The calculated prevalence is not matching the reported figures in the NFHS-5 report.

alternatively if we could use the hc56 variable, which contains hemoglobin level in g/dl with 1 implied decimal place, codes for converting the same to anemia

Subject: Re: Children age 6-59 months who are anaemic (<11.0 g/dl)

Posted by [Janet-DHS](#) on Tue, 17 Dec 2024 18:19:43 GMT

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

Please say specifically which table you are trying to match--or which indicator in STATcompiler--and the specific numerical value.

Subject: Re: Children age 6-59 months who are anaemic (<11.0 g/dl)

Posted by [Nikita@123](#) on Wed, 18 Dec 2024 06:02:13 GMT

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indicator in STAT compiler

Indicator: Children with any anemia

Measure Percent

Definition Percentage of children under age 5 classified as having any anemia
Denominator Children age 6-59 months
Group Child Nutrition: Prevalence of anemia in children
Type Indicator
Decimals 1
Indicator ID CN_ANMC_C_ANY

I wanted to match the india (Prevalence: 67.1 n:152,752 as reported in NFHS5 report), region-wise prevalence of any anemia among children and the district factsheet for Sambhal (Uttar Pradesh), which reports a prevalence rate of 69.8%.

Codes used in STATA:

```
*Using PR file
drop any_anem
gen any_anem=0 if hc55==0 & hv103==1 & (hc1>5 & hc1<60) & hv042==1
replace any_anem=1 if hc57<4 & any_anem!=.
ta any_anem
ta any_anem [iw=wt] //India
mean any_anem [iw=wt] if hv024==9 , over(shdist) //not matching with report
```

```
*Using KR file
drop any_anem
gen any_anem=0 if hw55==0 & b19>5
replace any_anem=1 if hw57<4 & any_anem!=.
ta any_anem
ta any_anem [iw=wt] //India
```

Subject: Re: Children age 6-59 months who are anaemic (<11.0 g/dl)

Posted by [Janet-DHS](#) on Tue, 24 Dec 2024 19:46:54 GMT

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

Your code looks fine to me. I did some checking and basically I match you--but I do not match the report.

The KR file has 179,262 (weighted) children age 6-59 months with a valid hemoglobin measurement. Table 10.12 says there are 152,752 such children. I don't know how to get to 152,752.

Perhaps another user, or someone from IIPS, can help.
