
Subject: Input data for HAZ score calculation India DHS VI vs VII

Posted by [MarkusH](#) on Mon, 28 Nov 2022 02:32:13 GMT

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Dear team,

I am currently trying to compare DHS VI vs DHS VII stunting stats and am trying to replicate the inputs used to calculate the z-scores, specifically age in days. For DHS VII I am able to do that and the age in days (gen age_days=v008a - b18) corresponds to the age in months b19, however does not match with age in months given by hw1.

At the same time, in DHS VI, only hw1 is available and trying to derive age in days (code see below), I too find large deviations from the age in months data presented by hw1 (not driven by missing data points).

Code for India DHS 2015-16:

```
gen bdate = mdy(b1, hw16, b2) if hw16 <= 31
```

```
gen interviewdate = mdy(v006, v016, v007) if v016 <= 31
```

```
gen age_days=interviewdate- bdate if bdate!=. & interviewdate!=.
```

```
gen age_months=age_days/30.4375
```

A) Therefore my first question, how is hw1 calculated in both DHS VI and DHS VII?

And related to this:

B) What are the exact inputs DHS used in the two surveys to generate the WHO z-scores of stunting? I assume hw3 for height, b4 for sex, but what age input was used?

Thanks a lot in advance

Markus
