
Subject: calculating height for age for children in Ghana

Posted by [sammy nyarko](#) on Mon, 05 Dec 2016 23:00:13 GMT

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Good evening all

I am currently working on the relationship between child health and dwelling characteristics. In order to find this relationship I merged both the HR and KR recode files. In my analysis of child health, I used the anthropocentric indicators (height for age, weight for age, and weight for height). I would really appreciate it, if I can get help on calculating the anthropocentric indicators. I tried using the commands below in STATA but did not follow the tables in the DHS report for Ghana.

```
***height_for_age_z_score (new_who)***
tostring hw70, gen (h_w)
destring h_w, gen (HAZ)
drop h_w
tab HAZ
replace HAZ=. if HAZ==9996 |HAZ==9998
gen height_for_age= HAZ/100
```

```
***weight_for_age_z_score (new_who)***
tostring hw71, gen (h_w)
destring h_w, gen (WAZ)
drop h_w
tab WAZ
replace WAZ=. if WAZ==9996 |WAZ==9998
gen weight_for_age= WAZ/100
```

```
***weight_for_height_z_score (new_who)***
tostring hw72, gen (h_w)
destring h_w, gen (WHZ)
drop h_w
tab WHZ
replace WHZ=. if WHZ==9996 |WHZ==9998
gen weight_for_height= WHZ/100
```

```
***classifications***
fre weight_for_age
drop if weight_for_age ==.
tab weight_for_age
gen underweight = weight_for_age < -2
tab underweight
drop if weight_for_height ==.
tab weight_for_height
tab height_for_age
fre height_for_age
gen wasted = weight_for_height < -2
```

tab wasted
gen stunted = height_for_age < -2

after running the commands above my unweighted "tab stunted" was 19.19, while the "tab stunted [iweight=wgt]" was 17.97. instead of 18.8 reported in the DHS report.

Any help?

Subject: Re: calculating height for age for children in Ghana

Posted by [Trevor-DHS](#) on Fri, 09 Dec 2016 16:41:06 GMT

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You need to use the anthropometric data from the PR file. See variables HC70 - HC72. Also make sure that you select only the de facto children.

Subject: Re: calculating height for age for children in Ghana

Posted by [sammy nyarko](#) on Sat, 10 Dec 2016 12:51:44 GMT

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the you very much. but can you help me with the calculation of stunting, wasting and underweight?

i would be happy if you send me the STATA commands too.

Subject: Re: calculating height for age for children in Ghana

Posted by [Trevor-DHS](#) on Wed, 21 Dec 2016 21:54:24 GMT

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See the below code:

use "GHPR70FL.DTA", clear

* create variable for stunting and set it to missing

gen stunted = .

* set to 0 (Not stunted) if it has a valid measure

replace stunted = 0 if hc70 < 9990

* set to 1 (Stunted) if it is less than -2 SD (data are stored with two implied decimal places, and thus appear as -200)

replace stunted = 1 if hc70 < -200

* tabulate stunting for children under age 60 months who stayed in the household the previous night and have valid measures

tab stunted if hc1 < 60 & hv103==1 & hc70 < 9990 [iw=hv005/1000000]

You would use the same approach for wasting and underweight.

Subject: Re: calculating height for age for children in Ghana
Posted by [sammy nyarko](#) on Wed, 28 Dec 2016 23:37:24 GMT
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Thank you very much!!

Subject: Re: calculating height for age for children in Ghana
Posted by [sadya2018@gmail.com](#) on Tue, 22 May 2018 21:43:48 GMT
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Thank you Trevor!!

Subject: Re: calculating height for age for children in Ghana
Posted by [alohciN](#) on Mon, 01 Jul 2019 15:05:39 GMT
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Hi

Have you received any solution for this question?
