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Subject: Re: Newborn birthweight calculation for Ethiopian 2000, 2005, 2011 and 2016 DHS

Posted by [Shireen-DHS](#) on Fri, 25 Sep 2020 15:03:08 GMT

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Hello,

For calculating these indicators you can use code from our code share library posted on GitHub. These indicators are part of Chapter 11 on Nutrition and can be found in the NT\_CH\_NUT.do file. However, before using this code please read the readme file and the main file for each chapter. This is the link: <https://github.com/DHSProgram/DHS-Indicators-Stata>

For the surveys in the year 2000 and 2005, there are variables you will need to merge from another file because these older surveys used a different reference standard. We now use the 2006 WHO Child Growth Standards for these indicators. Please read about these changes in the "Changes over time" section for these indicators that is described in our Guide to DHS statistics: [https://www.dhsprogram.com/Data/Guide-to-DHS-Statistics/index.htm#t=Nutritional\\_Status.htm](https://www.dhsprogram.com/Data/Guide-to-DHS-Statistics/index.htm#t=Nutritional_Status.htm)

Therefore for the 2000 survey (ETPR41FL.dta) and 2005 survey (ETPR51FL.dta) please run the following merge code first to get the hc70-72 variables you need.

\*merge code to merge HW and PR files. Please do the same for the ETHW51FL.dta merge with ETPR51FL.dta

use ethw41fl.dta, clear

rename hwhhid hhid

rename hwline hvidx

merge 1:1 hhid hvidx using etpr41fl.dta

Then using the PR files for all the surveys you can calculate stunting, underweight, and wasting as follows. This code was copied from the NT\_CH\_NUT.do on the GitHub site.

bel var nt\_ch\_sev\_stunt "Severely stunted child under 5 years"

//Stunted

gen nt\_ch\_stunt= 0 if hv103==1

replace nt\_ch\_stunt=. if hc70>=9996

replace nt\_ch\_stunt=1 if hc70<-200 & hv103==1

label values nt\_ch\_stunt yesno

label var nt\_ch\_stunt "Stunted child under 5 years"

//Wasted

gen nt\_ch\_wast= 0 if hv103==1

replace nt\_ch\_wast=. if hc72>=9996

replace nt\_ch\_wast=1 if hc72<-200 & hv103==1

label values nt\_ch\_wast yesno

label var nt\_ch\_wast "Wasted child under 5 years"

```
//Underweight
gen nt_ch_underwt= 0 if hv103==1
replace nt_ch_underwt=. if hc71>=9996
replace nt_ch_underwt=1 if hc71<=200 & hv103==1
label values nt_ch_underwt yesno
label var nt_ch_underwt "Underweight child under 5 years"
```

```
gen wt=hv005/1000000
```

```
*to check the indicators with the final report
tab1 nt_ch_stunt nt_ch_wast nt_ch_underwt [iw=wt]
```

Hope this help. Please also refer to the links I provided for this and other inquires.

Best,  
Shireen Assaf  
The DHS Program

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