Subject: Re: Stunting Discrepancies with SL Reports
Posted by Shireen-DHS on Thu, 20 Jan 2022 18:51:13 GMT
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Hello Amanda,

Using the PR file is correct for anthropometric indicators. Can you try the following R code below? We will be posting the R code for all nutrition indicators on our GitHub site soon. Here is what we have available in R so far (https://github.com/DHSProgram/DHS-Indicators-R). We have all the indicators coded in Stata and SPSS if you would like to check the code there as well.

Thank you.
Best,
Shireen Assaf
The DHS Program

```
# libraries
library(tidyverse)  # most variable creation here uses tidyverse
library(haven)      # used for Haven labeled DHS variables
library(labelled)   # used for Haven labeled variable creation
library(expss)      # for creating tables with Haven labeled data
library(naniar)     # to use replace_with_na function
library(xlsx)       # for exporting to excel

# //Severely stunted
PRdata <- PRdata %>%
  mutate(nt_ch_sev_stunt =
           case_when(
             hv103==1 &  hc70< -300  ~ 1 ,
             hv103==1 &  hc70>= -300 ~ 0 ,
             hc70>=9996 ~ 99)) %>%
  replace_with_na(replace = list(nt_ch_sev_stunt = c(99))) %>%
  set_value_labels(nt_ch_sev_stunt = c("Yes" = 1, "No"=0  )) %>%
  set_variable_labels(nt_ch_sev_stunt = "Severely stunted child under 5 years")

# //Stunted
PRdata <- PRdata %>%
  mutate(nt_ch_stunt =
           case_when(
             hv103==1 &  hc70< -200  ~ 1 ,
             hv103==1 &  hc70>= -200 ~ 0 ,
             hc70>=9996 ~ 99)) %>%
  replace_with_na(replace = list(nt_ch_stunt = c(99))) %>%
  set_value_labels(nt_ch_stunt = c("Yes" = 1, "No"=0  )) %>%
  set_variable_labels(nt_ch_stunt = "Stunted child under 5 years")

PRdata <- PRdata %>%
  mutate(wt = hv005/1000000)
```

```
table_temp <-  PRdata %>%
  calc_cro_rpct(
    cell_vars = list(hc27, hv025, hv024, hv270, total()),
    col_vars = list(nt_ch_sev_stunt, nt_ch_stunt),
    weight = wt,
    total_label = "Weighted N",
    total_statistic = "w_cases",
    total_row_position = c("below"),
    expss_digits(digits=1)) %>%
  set_caption("Child's anthropometric indicators")
write.xlsx(table_temp, "Chap11_NT/Tables_nut_ch.xls", sheetName = "child_anthro",
append=TRUE)
```