Subject: incorrect stunting rates
Posted by margovg on Wed, 07 Mar 2018 13:45:31 GMT
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Hello,

Im trying to calculate the prevalence of stunting using the Burundi 2010 DHS dataset.
I have used the PR file and - presumably- the correct survey settings, the overall percentage that I have calculated is correct (57,7% stunted), however, when I try to calculate the sex specific prevalence I'm of by a bit.

I am using R:

```
# making a variable for stunting
data2$stunt <- ifelse(data2$hc70 < -200,'stunted','not_stunted')

#survey settings

int.design <- function (){
  data.w <<-
    svydesign(
      id = ~ hv001 ,
      data = data ,
      weight = ~ hv005 ,
      strata = ~ hv022)
}

int.design()

> svyby(~stunt, ~hv104, data.w, svymean)
       hv104 stuntnot_stunted stuntstunted se.stuntnot_stunted se.stuntstunted
male     male       0.3750139    0.6249861         0.01372043      0.01372043
female female       0.4729965    0.5270035         0.01436399      0.01436399
```

According to the DHS report 62,1% of boys is stunted and 53,1% of the girls. As you can see from the output above, my percentages come down to 52,7% for girls and 62,5% for boys.

I have deleted from my dataset:
- Children with missing data for variable HC70
- Children with HC70>9000
- Children who did not sleep in the hh the night before the survey(hv103==1)

Can anybody tell me what I doing wrong, and how I can get the correct percentages?

Kind regards,

Margo