
Subject: incorrect stunting rates

Posted by [margovg](#) on Wed, 07 Mar 2018 13:45:31 GMT

[View Forum Message](#) <> [Reply to Message](#)

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 off 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