
Subject: Re: Details about KR file

Posted by [Bridgette-DHS](#) on Mon, 26 Mar 2018 11:22:35 GMT

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Following is another response from Senior DHS Stata Specialist, Tom Pullum:

Below I have written some Stata code that construct the BMI categories for the mother and calculate the percentage of children age 0-4 who are stunted for mothers in each of these categories. The log file is attached. For example if the mother is in the lowest category of BMI, 44.5% of children are stunted. If the mother is in the highest category of BMI, only 21.8% of children are stunted. As the BMI of the mother increases, there is a monotonic decline in the percentage of children who are stunted.

set more off

use e:\DHS\DHS_data\KR_files\BDKR72FL.dta, clear

log using e:\DHS\scratch\logtemp.smcl, replace

* Child:

* hw70 int %8.0g HW70 height/age standard deviation (new who)

* hw71 int %8.0g HW71 weight/age standard deviation (new who)

* hw72 int %8.0g HW72 weight/height standard deviation (new who)

* Mother:

* v445 int %8.0g V445 body mass index

* Note that v445 is bmi x 10

gen stunted=.

replace stunted=0 if hw70>-600 & hw70<600

replace stunted=100 if hw70>-600 & hw70<-200

gen bmi_category=1

replace bmi_category=2 if v445>=1700

replace bmi_category=3 if v445>=1850

replace bmi_category=4 if v445>=2300

replace bmi_category=5 if v445>=2500

replace bmi_category=6 if v445>=3000

* recommend omitting implausibly high values but this is optional

replace bmi_category=. if v445>6000

label define bmi_category 1 "<17" 2 ">=17 and <18.5" 3 ">=18.5 & <23" 4 ">=23 & <25" 5 ">=25 & <30" 6 ">=30"

label values bmi_category bmi_category

tab bmi_category stunted [iweight=v005/1000000],m

```
svyset [pweight=v005]
svy: mean stunted,over(bmi_category)
```

File Attachments

1) [logtemp.smcl](#), downloaded 600 times
