
Subject: BMI indicator in KR File

Posted by [Noyel Sebastian](#) on Sun, 05 May 2024 11:01:15 GMT

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I was trying to calculate the BMI of the mother from the KR file of NFHS using this code. NFHS 5's KR file does not have b3_01, and the code breaks. What change should I make to run the command and get the mother's BMI indicator in the KR file?

*** Anthropometry indicators ***

* age of most recent child

```
gen age = v008 - b3_01
```

* to check if survey has b19, which should be used instead to compute age.

```
scalar b19_included=1
```

```
capture confirm numeric variable b19_01, exact
```

```
if _rc>0 {
```

```
  * b19 is not present
```

```
  scalar b19_included=0
```

```
}
```

```
if _rc==0 {
```

```
  * b19 is present; check for values
```

```
  summarize b19_01
```

```
  if r(sd)==0 | r(sd)==. {
```

```
    scalar b19_included=0
```

```
  }
```

```
}
```

```
if b19_included==1 {
```

```
  drop age
```

```
  gen age=b19_01
```

```
}
```

```
//Height less than 145cm
```

```
gen nt_wm_ht= v438<1450 if inrange(v438,1300,2200)
```

```
label values nt_wm_ht yesno
```

```
label var nt_wm_ht "Height under 145cm - women"
```

```
//Mean BMI
```

```
gen bmi=v445/100
```

```
summarize bmi if inrange(bmi,12,60) & (v213!=1 & (v208==0 | age>=2)) [iw=wt]
```

```
gen nt_wm_bmi_mean=round(r(mean),0.1)
```

```
label var nt_wm_bmi_mean "Mean BMI - women"
```

```
//Normal weight
```

```
gen nt_wm_norm= inrange(v445,1850,2499) if inrange(v445,1200,6000)
```

```
replace nt_wm_norm=. if (v213==1 | age<2)
```

label values nt_wm_norm yesno
label var nt_wm_norm "Normal BMI - women"

Subject: Re: BMI indicator in KR File
Posted by [Janet-DHS](#) on Fri, 10 May 2024 19:28:54 GMT
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Following is a response from DHS staff member, Tom Pullum:
The KR file has one record for each child. The cmc of birth is b3. No subscript (such as _01) is needed; the index for the child is bidx. The age of the mother at the time of the birth is given in years by $\text{int}((b3-v011)/12)$, The BMI of the mother in both the IR and KR files is v445.
