Subject: igrowup Macro
Posted by rejone4@emory.edu on Thu, 13 Nov 2014 15:46:46 GMT
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I'm using the igrowup Macro for Stata from the WHO for calculating BMI-z scores for children under 5 in several country surveys (Egypt, Turkey, Jordan, Armenia, Morocco and Yemen). The macro runs and I created a weightstatus variable categorized into underweight, normalweight, overweight, obese and very obese and calculated prevalence estimates. However, my numbers do not seem accurate.

I ran the macro on a more recent survey from Armenia that has the built in z scores with hw73 to compare and came out with different estimates. I have attached my macro code for Jordan 2002 which is a phase IV DHS survey. Any thoughts on where I am going wrong?

File Attachments
1) Jordan.do, downloaded 1817 times

Subject: Re: igrowup Macro
Posted by Reduced-For(u)m on Fri, 14 Nov 2014 00:15:18 GMT
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Have you tried using age in days (expressed as a fraction of months). I believe that is the way it is usually done, but confirmation from the DHS people would be nice.

Subject: Re: igrowup Macro
Posted by Trevor-DHS on Tue, 18 Nov 2014 18:21:15 GMT
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Yes, we do use age in days in the calculations. Try replacing "rename hw1 agemons" with the following code:
*if working with the PR file:
replace hc16 = 15 if hc16 == 98 | hc16 == 99
gen agemons = (mdy(hc18,hc17,hc19) - mdy(hc30,hc16,hc31))/30.4375
or
*if working with the KR file
replace hw16 = 15 if hw16 == 98 | hw16 == 99
gen agemons = (mdy(hw18,hw17,hw19) - mdy(b1,hw16,b2))/30.4375