Subject: Replicating BDHS 2011 Table 15.5.1 & 15.5.2 Table on Diabetes prevalence
Posted by Delulu on Wed, 13 Dec 2023 13:55:04 GMT
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Hello,

I am trying to replicate tables Table 15.5.1 & 15.5.2 on Diabetes prevalence among man and women. I am finding it difficult to arrive at the same prevalence values. When I tabulate variable sh284a which is plasma blood glucose (mmol/l) it shows that everyone has Elevated FPG. Am I doing something wrong here?
Please can anyone help me replicate these tables and include Stata commands where possible?

Thank you so much.

Subject: Re: Replicating BDHS 2011 Table 15.5.1 & 15.5.2 Table on Diabetes prevalence
Posted by Bridgette-DHS on Thu, 14 Dec 2023 12:37:26 GMT
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Following is a response from Senior DHS staff member, Tom Pullum:

Most of the biometric variables, including this one (sh284a), have two aspects of their coding that you must take into account. The first is that there are codes for "refused", etc., that must be bypassed in any analysis. The second is that the measurements have been multiplied by some power of 10 to get rid of a decimal point.

If you enter "describe sh284a" you will find that the label is SH284A. Then enter "label list SH284A" to identify the special codes. Here they are:

. label list SH284A
SH284A:
        994 not present
        995 refused
        996 other

Then enter either "histogram sh284a if sh284a<994" or "summarize sh284a if sh284a<994" to find out what the multiplier is. The latter command shows that the (unweighted) mean is 55 and the range is 16 to 271. The cutoff values in table 15.5 are 3.9, 6.0, etc. Clearly sh284a is 10 times the scale of the glucose indicator in the table. Therefore you need to construct a new variable as follows: "gen glucose=sh284a/10 if sh284a<994". Please try again to construct the tables using "glucose".

Subject: Re: Replicating BDHS 2011 Table 15.5.1 & 15.5.2 Table on Diabetes prevalence
Posted by Delulu on Sat, 16 Dec 2023 12:54:54 GMT
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Thank you so much. It worked!!