Subject: Blood Pressure and Diabetes Bangladesh 2017-18
Posted by bakerchowdhury on Tue, 22 Dec 2020 07:08:45 GMT
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Hello,
I am using the Bangladesh DHS 2017-18 to look at hypertension and diabetes. I am trying to match the tables in Stata by using Household Member Recode (BDPR7RFL) file.

First I am selecting the participants who answered yes to "sh18/sh19/sh20" variables which generate 6691 men and 8015 women; who were eligible for bp and glucose measurements.

However, I am unable to match the numbers in table 13.3.1 second column "Prevalence of raised blood pressure (hypertension)^1" by residence or division. I am using the "sb333aa" and "sb333ab" for systolic and diastolic pressure, respectively. However, I do not find any variable to consider hypertension medication.

For diabetes, I am using "sb335b" and "sb327a" to create the diabetes variable in table 13.5.51 second column "Prevalence of diabetes^1".

I created weight [wgt=hv005/1000000] and then used svyset[pw=wgt],psu(hv021) strata(hv022). To tabulate the frequencies I used svy:tab hv025 diab and svy:tab hv025 hp. Here diab, and hp are for diabetes and hypertension respectively.

I wondered if anyone would be able to advise me if I am using the right dataset/sample weights/ most importantly right variables to determine diabetes or hypertension.

Any suggestions for the variable that would be used would be much appreciated, thank you :)

Subject: Re: Blood Pressure and Diabetes Bangladesh 2017-18
Posted by SaraDHS on Wed, 23 Dec 2020 11:34:47 GMT
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You are using the correct datafile and weighting variables. The BP medication variable is sb318a. The attached do file shows how to recreate the values for the variables in tables 13.3.1, 13.3.4, 13.5.1, and 13.5.4. The classifications can be tricky.

File Attachments
1) BD_bp and diabetes.do, downloaded 615 times

Subject: Re: Blood Pressure and Diabetes Bangladesh 2017-18
Posted by bakerchowdhury on Mon, 28 Dec 2020 23:52:32 GMT
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Thank you so much for your detailed response. Could you please help in replicating the

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percentages of Figure 13.6 and 13.10 on the report page and 2019 and 221, respectively. I am unable to match them.

Thank you again.

Subject: Re: Blood Pressure and Diabetes Bangladesh 2017-18
Posted by SaraDHS on Mon, 04 Jan 2021 11:46:31 GMT
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The "awareness" variable is sb317b for blood pressure and sb326b for diabetes. If you use that variable, along with the classification (bpclass_m/bpclass_w/diabclass_m/diabclass_w), medication (bpmed/diabmed), and hypertension/diabetes (hypert_m/hypert_w/diab_m/diab_w) variables created in the do file, you should be able to recreate those figures. "Controlled" is anything not Hyperglycemia for diabetes classification, and the "optimal" and "normal/high normal" classifications for blood pressure.

Best,
Sara

Subject: Re: Blood Pressure and Diabetes Bangladesh 2017-18
Posted by gueter89@yahoo.fr on Thu, 03 Jun 2021 09:34:51 GMT
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I had a major problem with the documents related to DHS because they do not mention information about the variables of hypertension and diabetes. Neither the Guide nor the Recoding Manual provides information on these two variables. For several weeks, I have been using the Haiti database (PR file) and I still cannot identify the variables related to diabetes. Moreover, the sample for which we surveyed blood pressure, diabetes, nutritional status.

Subject: Re: Blood Pressure and Diabetes Bangladesh 2017-18
Posted by SaraDHS on Tue, 27 Jul 2021 09:49:41 GMT
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Dear Gueter,

Thank you for your message. Yes, the blood pressure and diabetes questions, as well as the larger module they are included in, the non-communicable disease module, are optional and have not been included as of yet in Github code or the guide to statistics. We hope to include them in the future.

I have been looking into the specific issue with the Haiti data, and unfortunately it appears that an error was made during file construction, and many of the diabetes and hypertension variables were not included in the Individual Men's and Women's file. By time this was recognized, the original data file had been erased. sbh263c and shb381a (glucose measurement for men and

women is still available in the PR file.

Thank you for the question and apologies that we don't have a better answer.

Sara