
Subject: BDHS2022_Sex and Age of respondents selected for biomarkers (blood pressure/blood glucose)

Posted by [Anonymous](#) on Fri, 03 Jan 2025 07:40:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

Dear DHS team,

I am looking for the variables used for the sex and age of respondents selected for biomarkers (blood pressure/blood glucose) in the BDHS 2022 PR dataset.

In the BDHS 2017-18 PR dataset:

- For the **sex of respondents** selected for biomarkers, the variables were `SH18`, `SH19`, and `SH20`.
- For the **age of respondents**, the variable was `SB303`.

However, in the BDHS 2022 PR dataset:

- These variables are not present. Instead, I found `HV104` (sex) and `HV105` (age) for household members.

Could you confirm:

1. If possible, please provide the codes for **Table 14.1: Coverage of testing for blood pressure and fasting blood glucose measurement among women and men age 18 and older** from the BDHS 2022 Final Report.
2. Alternatively, could you provide the **sex and age variable names** used in the creation of this table?
3. Whether the **PR dataset** is the correct dataset to use for biomarker analysis?

Thank you for your assistance!

Best regards,

Jitu

File Attachments

1) [Screenshot \(123\).png](#), downloaded 53 times

Subject: Re: BDHS2022_Sex and Age of respondents selected for biomarkers (blood pressure/blood glucose)

Posted by [Janet-DHS](#) on Wed, 08 Jan 2025 19:10:25 GMT

[View Forum Message](#) <> [Reply to Message](#)

Following is a response from DHS staff member, Tom Pullum:

The standard variables in all PR files are hv104 for sex and hv105 for age. In the BD 2017-18 survey, sh18-sh20 are NOT sex, they are 0/1 variables for whether cases were selected for subsampling.

In the BD 2022 PR file, the selection variable is shbpbg. The following lines, for example, will give

the number of men and women, by urban/rural residence, selected for blood pressure and blood glucose. These are the denominator frequencies in table 14.1.
use "...BDPR81FL.DTA" , clear

keep if hv105>=18 & shbpbg==1

tab hv025 hv104 [iweight=hv005/1000000]

Yes, the PR file is the one to use for table 14.1. Hope this answers your questions.

Subject: Re: BDHS2022_Sex and Age of respondents selected for biomarkers (blood pressure/blood glucose)
Posted by [Anonymous](#) on Sat, 11 Jan 2025 05:37:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Janet,
Thank you for the clarification. Could you please direct me to the data dictionary that contains the explanation of these variables (labels and associated questions)? For instance, in BDHS 2022, blood glucose for men and women are listed in separate columns as far as I understand (sb267 and sb367), but both of them have the same label (plasma blood glucose).

Thanks in advance.

Subject: Re: BDHS2022_Sex and Age of respondents selected for biomarkers (blood pressure/blood glucose)
Posted by [Janet-DHS](#) on Wed, 15 Jan 2025 13:53:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

Following is a response from DHS staff member, Tom Pullum:
These variables are test results, not responses to questions. I agree with you that it is confusing to have the same label for more than one variable. In this case, the two variables differ in that sb267 is for women and sb367 is for men. Here is how I confirmed my suspicion that that was the case (hv104=1 is males and hv104=2 is females):

summarize sb*67 if hv104==1

Variable	Obs	Mean	Std. Dev.	Min	Max
sb267	0				
sb367	6,553	143.1547	188.5172	48	996

. summarize sb*67 if hv104==2

Variable	Obs	Mean	Std. Dev.	Min	Max
sb267	7,998	133.1017	164.0002	35	996

This distinction extends to all of the sb2* and sb3* variables in this survey.

I don't know of a manual that covers this kind of a pattern, but it's common for biomarkers. Please ask if there are others that you have questions about.

Subject: Re: BDHS2022_Sex and Age of respondents selected for biomarkers
(blood pressure/blood glucose)

Posted by [Anonymous](#) on Thu, 16 Jan 2025 19:04:16 GMT

[View Forum Message](#) <> [Reply to Message](#)

Thanks for the explanation Tom and Janet,

My follow-up question is about the number of cases for whom blood glucose data is available in the BDHS 2022 dataset. According to this check that Tom conducted, there are 14,551 cases. But according to Table 14.1 (pg. 252), there are about 13,615 (approx.) cases. Not sure if I am missing something. Also, could you confirm that these data are raw for the number of participants in the household survey and not the weighted representation based on the sampling strategy described earlier?

Thanks again for your help with this.

Ekram.

Subject: Re: BDHS2022_Sex and Age of respondents selected for biomarkers
(blood pressure/blood glucose)

Posted by [Janet-DHS](#) on Tue, 21 Jan 2025 21:04:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

Following is a response from DHS staff member, Tom Pullum:

The frequencies 8156 (for women) and 6853 (for men) in the bottom row of Table 14.1 are weighted. You can get them by opening the PR file and entering the following line:
tab hv104 if sheligbm==1 & shbpbg==1 & hv105>=18 [iweight=hv005/1000000]

The instructions for this line are basically given in the title and the footnote for the table, BUT there is no condition on having given consent, which is implied by the last part of the footnote, "and those who consented to fasting blood glucose measurement".

I do not actually see the variables for that kind of consent. If you enter "lookfor consent" you will see the variables for consent for the blood pressure measurements, separately for women and men. I'm sure that consent was required for blood glucose measurement, but for some reason it was not actually included in the construction of the denominators for Table 14.1.
