
Subject: About BMI of Mother

Posted by [Endsofanias](#) on Tue, 14 Mar 2023 10:42:57 GMT

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Dear all, I am a new user of this database and for my analysis, I am using the KR file. So, I want to use the mother's BMI as one covariate I want to use along with others. But, I don't know where I missed it, I couldn't get the variable or the covariates "mother BMI" or Is that computed from other variables?. Anyone, please help me with the "mother BMI" from The KR file? my activity is stacked do this variable missing

Subject: Re: About BMI of Mother

Posted by [Janet-DHS](#) on Thu, 23 Mar 2023 12:22:34 GMT

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Thank you for submitting your question. Could you please provide some more detailed information so we can better advise you?

Can you let us know:

- Which survey you are using (Include country name and year)?
- Which data files you are referring to?
- Which software you are using (Stata, SPSS, R, etc.)?

If you are trying to match a Table in a final report, please also indicate which table and which estimate you are trying to match.

Subject: Re: About BMI of Mother

Posted by [rom.mony7@gmail.com](#) on Mon, 03 Jun 2024 07:59:45 GMT

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Interesting question, since i am also planning to work on child health for my thesis (Maternal obesity impact on child nutrition under five : CDHS 2021-2022).

I would like to ask some recoomendations related to the BMI of the children under five and mother's BMI.

I will be using the stata 17 for statical analysis.

Do i need to merge the PR file with KR file?

Thanks

Subject: Re: About BMI of Mother

Posted by [rom.mony7@gmail.com](#) on Mon, 03 Jun 2024 09:11:50 GMT

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Or I need to merge IR and KR file since IR file focus on woman's record?

Thanks again

Subject: Re: About BMI of Mother
Posted by [Janet-DHS](#) on Tue, 11 Jun 2024 19:58:39 GMT
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Following is a response from DHS staff member, Tom Pullum:
You do not say what survey you are using, but usually the mother's BMI is v445 and it is included on the child's record. You do not need to do any merging. For children, the usual anthropometry measures are hw70, hw71, and hw72, from which the HAZ, WAZ, and WHZ are constructed. You can construct the BMI as weight divided by the square of height, rescaled with a factor that is a power of 10, but I would recommend using the Z scores. There have been several postings on the forum about how to get the HAZ (and a binary indicator of stunting) from hw70, etc.

Subject: Re: About BMI of Mother
Posted by [rom.mony7@gmail.com](#) on Thu, 13 Jun 2024 12:41:58 GMT
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Thanks for your response.
I would use the data from KR file
"KH_2021-22_DHS_06022024_157_214586\KHKR82DT\KHKR82FL.DTA"
Since it has the variable of mother BMI and the child record.
For the cross sectional study of the relationship of mother's BMI and Child's BMI is feasible using KR file.

By the way I do concerned since all of the measured children appear in the PR file, so the sample maybe less biased than the sample of children interviewed woman than the KR file but link the characteristic of children from the interviewed mother from KR file.

Subject: Re: About BMI of Mother
Posted by [Janet-DHS](#) on Mon, 24 Jun 2024 13:40:54 GMT
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Following is a response from DHS staff member, Tom Pullum:

The children's and women's heights and weights are measured during the household interview. The anthropometry scores are calculated from those measurements. When the IR and KR files are constructed, the measurements and scores are a copied in. The PR file includes some women who are not mothers and some children who are not living with their mothers, but those are cases for which the linkage you want to do is not possible.

In your analysis I suppose there is indeed some bias, in that you only include women who are mothers, and you only include children who mothers are alive and living with the child, but if you define your study population to consist of such combinations, which seems reasonable to me, then you are ok.
