Subject: Analyzing merged women and children data sets
Posted by Luanda on Sun, 24 Apr 2022 12:17:33 GMT

Hi everyone,

I am trying to analyze the effect of women socioeconomic chacteristics (including Intimate partner violence) on their children health.

I have merged children and women data sets but it appears that women interviewed for domestic violence do not have data on their children health status making it difficult to analyze the association.

If I keep only women interviewed for domestic violence in my merged data set, I loose all observations for children health. I don't know if I am mistaken or if this is the way the survey is designed.

If this is not the case, please assist on how I can proceed with my analysis.

Looking forward to your feedbacks.

Thanks!

Subject: Re: Analyzing merged women and children data sets
Posted by Janet-DHS on Mon, 25 Apr 2022 14:47:09 GMT

Following is a response from Senior DHS Specialist, Kerry MacQuarrie:

Can you please provide some more detailed information so we can better advise you? Can you let us know:
• Which survey you are using?
• The children's health outcome variables you are using?
• Which data files you are trying to merge, including which you have set as the "master" data file and as the "using" data file?
• Which ID variables you are using to match your cases?
• Which software you are using (Stata, SPSS, R, etc)?

In the meantime, this YouTube video explains DHS data structure and may help you confirm if you are using the correct data files.
https:// www.youtube.com/watch?v=BmiSDPebmgc&list=PLagqLv-gqpTMx2 Q10C_prJRnCtM55C0o8&index=33&t=150s

I look forward to your response; I'm sure together we can troubleshoot the issues you are having with your merge.

Subject: Re: Analyzing merged women and children data sets
Posted by Luanda on Mon, 25 Apr 2022 20:21:37 GMT

Dear Kerry,

Thank you for your feedback.

As far as your questions are concerned, please note the following :

I am using the 2013-2014 DR.CONGO DHS.

My main variables of interest are child health outcomes particularly malaria status (variable hml32_01 to hml32_24 in the children module, data file CDKR61FL) and anemia level (variable hw57 from the same data file).

I am trying to explore the relationship between the above mentioned variables and women socioeconomic characteristics including various forms of intimate partner violence (variables d106, d107, d108 and d121 from the data file CDIR61FL)

Therefore, I merged those two data sets, CDIR61FL being the master and CDKR61FL the "using file" using stata16. The ID variables are v001, v002 and v003 representing, in both data files, cluster number, household number and respondent's line number.

The issue I am facing is that when I try to focus on women selected for domestic violence module (keep if v044==1) the children health outcomes variables loose all their observations.

I hope this helps you understand better my query.

Nonetheless, I can still provide other details if necessary.

Looking forward to your assistance.

Best regards.

Luanda.

Subject: Re: Analyzing merged women and children data sets
Posted by Janet-DHS on Tue, 26 Apr 2022 19:47:37 GMT

Following is a response from Senior DHS Specialist, Kerry MacQuarrie:

Dear Luanda,

Thank you for this additional information. It points us to the problem right away. In this case, it is not an issue of your merge not working correctly, but that there are no cases to merge.

Have you consulted the survey final report for the 2013-2014 DRC DHS (https://www.dhsprogram.com/pubs/pdf/FR300/FR300.pdf)? On page 8, it describes how the child outcomes you are interested in, anemia and malaria, were collected in a subsample of 50% of surveyed households. The domestic violence module was also administered in a subsample of 50% households. However, it was administered in the other 50% subsample from that administered the anemia and malaria information. In this particular survey, there are no households in which both the children's anemia and malaria data AND the mother's domestic violence data were collected. So no analysis for associations between these factors can be conducted with this survey.

As a tip, if you were to conduct this merge (e.g. for a different survey), I would recommend switching your "using" and "master" datafiles so that the KR file is the master file. This keeps children as the unit of analysis and adds the relevant women's data to each child's case.

File Attachments
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1) Response (#24333).png, downloaded 896 times

Subject: Re: Analyzing merged women and children data sets
Posted by Luanda on Fri, 29 Apr 2022 18:49:23 GMT
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Dear Kerry,

Thank you for this clarification and guidance on the merging.

Regards.

Luanda.