Subject: Medicine Availability for routine antenatal care in Bangladesh
Posted by bakerchowdhury on Wed, 09 Dec 2020 04:20:05 GMT
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Dear DHS Experts and SPA User,
I am analyzing the Bangladesh 2014 SPA survey. It appears there are two data set for each item (Facility, Provider, Staff Listing). For example, Facility has "Facility Recode" and "Facility Raw" files, what is the key difference between these two files? Which one should be used for analysis?

In my analysis, I am looking at the Availability of medicines for routine antenatal care, which corresponds to table 6.4 in the report. In the report table 6.4, it shows a total of 1,508 (121-rural, 1387 urban) facilities offering ANC.

When I run the frequencies, it appears 1493 (urban-403, rural-1090) facilities offer the ANC service.

My Stata code is
Use "BDFC7AFLSP.DTA"
keep if q102_05==1 // this keeps facilities has ANC service available (from questionnaire report page 202)
tab ftype

*

urban/rural	Freq.	Percent	Cum.
urban	445	27.88	27.88
rural	1,151	72.12	100.00
Total	1,596	100.00	

*

For the columns "Iron tablets" "Folic acid tablets" "Combined iron and folic acid" the urban-rural percentages are way off. For example, iron tablets are available 92.1% and 96% in urban and rural areas, respectively in the report. However, I'm getting very low frequencies. I am using the variables related to question 1422(01, 02,03) on page 204 of the report.

Stata Codes:
tab q1422_1 ftype //which gives 73.94 % available

According to the questionnaire, it looks like I am looking the right variable, but for some reason I am not getting the frequencies as of the table. Do I need to consider anything else? I would greatly appreciate any help on this matter.

Many thanks

Subject: Re: Medicine Availability for routine antenatal care in Bangladesh

Posted by Bridgette-DHS on Mon, 14 Dec 2020 15:17:34 GMT
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Following is a response from DHS SPA Team Member, Rajendra Dangol:

You can use either one of the datasets for analysis. The recode files are standardized across SPA surveys and preferred for comparative studies. It appears as if you are using the raw dataset, which is perfectly fine - it's easy to match the variable names in the raw data with the question numbers in the questionnaires.

I recommend you reference the Word document which is within the zip files you downloaded. This document provides guidance on how to apply the weights, along with some other basic instructions.

It seems you didn't apply the weights while doing your analysis. Please use the proper weight (FACWT/1000000) for inventory and (PROVWT/1000000) for provider level analysis.

Please refer to table 3.1 in the report, we have 1,493 cases unweighted and 1,508 cases weighted for ANC availability.

Hope this helps.

Subject: Re: Medicine Availability for routine antenatal care in Bangladesh
Posted by bakerchowdhury on Wed, 23 Dec 2020 07:49:18 GMT
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Thank you for the response. Yes. I am using the correct weight variable now. However, I am unable to match some of the tabulations.

Could you please help in identifying the variables to match the below columns?

"Percentage of facilities offering ANC where ANC services are offered on indicated days^1" in table 6.1 (Report Page-83)
"Urine protein^2" in table 6.3 (Report Page-86)
"Combined iron and folic acid" in table 6.4 9Report Page-87)

Thank you!

Subject: Re: Medicine Availability for routine antenatal care in Bangladesh
Posted by Bridgette-DHS on Wed, 23 Dec 2020 12:01:35 GMT
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Following is a response from DHS SPA Team Member, Rajendra Dangol:

Please use the following definitions for your queries:
"Percentage of facilities offering ANC where ANC services are offered on indicated days^1" in table 6.1 (Report Page-83)
Please use Q1401 and recode as 1-19 = 1 (Provides, but not everyday) and 20-31 = 2 (Provides everyday);

"Urine protein^2" in table 6.3 (Report Page-86)
if Q837B(1)=1 or Q1406(2)=1 or Q1420(4)=1

"Combined iron and folic acid" in table 6.4 (Report Page-87)
if (Q1422(3)=1 or (Q210=1 & Q906(4)=1)) for Combined iron and folic acid

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Subject: Re: Medicine Availability for routine antenatal care in Bangladesh
Posted by bakerchowdhury on Tue, 05 Jan 2021 15:29:05 GMT
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Hello,

I am trying to replicate Table 8.2 Bangladesh Health Facility Survey, 2017 (page 152), the percentage for injectable insulin in the report is 29.2%. However, I am getting 11.9. I am not sure if I am using the appropriate filter or variable. I have tried in the following way in Stata:

```
use "BDFC7IFLSP.DTA"
gen wgt=facwt/1000000
keep if q2301==3
tab q903_18,m
gen insuline=q903_18
recode insuline 1=1 2/5=0
tab insuline [iweight=wgt]
```

Thank you,

Subject: Re: Medicine Availability for routine antenatal care in Bangladesh
Posted by Bridgette-DHS on Thu, 07 Jan 2021 13:07:33 GMT
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Following is a response from DHS SPA Team Member, Rajendra Dangol:

The specification we used for this variable is Q903(15)=GLUCOSE INJECTABLE SOLUTION However, you used Q903(18)=INSULIN INJECTIONS [ANTI DIABETIC].
Please use Q903(15) instead of Q903(18).

Subject: Re: Medicine Availability for routine antenatal care in Bangladesh
Posted by bakerchowdhury on Fri, 08 Jan 2021 02:13:05 GMT
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Thank you for your response. It looks like the Q903(15)=GLUCOSE INJECTABLE SOLUTION which I was able to replicate with report percentage (19.2).
However, I am unable to match the 7th column "Injectable Insulin" percentage (29.2) with the report (table 8.2 page 152). Please help in identifying the "Injectable Insulin" variable in the data set.

Thank you for your attention.