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Subject: SPA survey

Posted by [foysal](#) on Wed, 29 Sep 2021 04:13:41 GMT

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Dear Sara,

Hope you are well.

I want to create a variable named quality assurance activities (0=no, 1=yes) using Malawi SPA 2013-14. I have tried with the following codes in STATA:

```
tab sw=facwt/10000000
```

```
(83 missing values generated)
```

```
tab q440 [iw=sw],m
```

routine qa activities	freq.	percent
yes	472.936149	48.41
no	496.102203	50.78
don't know	7.9616701	0.81
total	977.000022	100.00

```
tab q441 [iw=sw],m
```

official records of qa activities in past year	freq.	percent
yes	276.25236	28.28
no records not maintained	196.683789	20.13
.	504.063873	51.59
total	977.000022	100.00

```
tab q442 [iw=sw],m
```

official records of qa activities in past year-observed	freq.	percent
observed	132.525358	13.56
reported, not seen	143.727002	14.71
.	700.747661	71.72
total	977.000022	100.00

From the variable q442, it is clear to me that only 13.56% facilities routinely carries out quality assurance activities and had documentation of a recent quality assurance activity. But my question refers to the percentage of facilities having no quality assurance activities. Will I count all missing facilities (n=700.747661) in q442 as "having No quality assurance activities" (i.e. merge with category "reported, not seen") rather than as missing values?

If I count all missing values and merge with category 2 (reported, not seen) then the percentage of facilities having no quality assurance activities would be 86.44%. Is it correct?

If I consider all missing facilities as "No" category, then would it be draw any misleading conclusion particularly in statistical modelling?

I would appreciate any help with this matter?

Sincerely,

Foysal

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Subject: Re: SPA survey

Posted by [SaraDHS](#) on Wed, 29 Sep 2021 13:58:00 GMT

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Hello Foysal,

I think that the response to this question really depends on your research question. If you are particularly interested in the documentation of the QA activities, then it would make sense to limit your sample to the facilities which had any QA activities, or the facilities which had any QA activities and said they had records of them. If you are interested in whether QA activities were implemented, then you would include all facilities. From the first line of your question you ask about creating a binary variable named "quality assurance activities". In my opinion, using the response from q440 would be appropriate for this kind of variable, and dropping any further questions about documentation.

The approach you are suggesting mixes two different categories of responses: "No documentation available" and "No QA activities held". I wouldn't recommend this approach, since these two categories are different and combining them may lead to incorrect estimates.

Best,  
Sara

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Subject: Re: SPA survey

Posted by [Muhammad Islam](#) on Wed, 08 Mar 2023 19:57:56 GMT

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Hi Sara,

I mainly worked so far on Standard DHS and Continuous DHS surveys, and this is first time I am using SPA data specifically to add some indicators from Family planning component.

I am working on Kenya SPA 2010 but when I looked the questionnaire from the Kenya report on page 452 "3a.Family Planning Services" questions start with 300 which is not matching with data file "KEFC6BDTSP\KEFC6BFLSP.dta".

Is there is any SPA guide available which can help to see the detail of the variables?

Thanks,  
Muhammad

## File Attachments

1) [SPA-Maternal & Child health & FP report.pdf](#), downloaded 115 times

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Subject: Re: SPA survey

Posted by [SaraDHS](#) on Mon, 20 Mar 2023 18:40:08 GMT

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Hello,

The Stata files that end in SP are the raw SPA datasets, so the variables have not been standardized. The variables in the raw files correspond more or less to the question numbers in the questionnaire. So q300 in the raw data set is the availability of services, which is question 300 in the facility inventory on page 417 in Appendix D of the final report, q303 is whether or not FP services are available on the day of the interview, which is question 303 in the questionnaire.

Unfortunately, there is no Guide to SPA statistics, so you'll need to look at the questionnaire, as well as the tables and footnotes in the final report to determine how to calculate them. If you are unable to match the tables in the final report, you can look here in the user forum, where we've answered many questions about specific indicators. If you can't find the information already in the user forum, then feel free to post a question yourself.

Best,  
Sara

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