## Subject: 2013 Namibia DHS data: Numbers not matching
Posted by jwichmannza on Fri, 17 Nov 2017 12:42:50 GMT

I am using the 2013 Namibia DHS data in one of the projects of my MPH students here at the University of Pretoria.

Please refer to Table 11.5 in the report.

I do not get these numbers at all when I use the children's recode data set, namely NMKR61FL.

e.g. below are the numbers/frequencies for the age categories I get

The SAS System    09:45 Thursday, November 16, 2017  16

The FREQ Procedure

|  | | Cumulative | Cumulative | |
| agecat | Frequency | Percent | Frequency | Percent |
| --- | --- | --- | --- | --- |
| ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ | | | | |
| 1 | 271 | 13.93 | 271 | 13.93 |
| 2 | 251 | 12.90 | 522 | 26.84 |
| 3 | 430 | 22.11 | 952 | 48.95 |
| 4 | 374 | 19.23 | 1326 | 68.17 |
| 5 | 323 | 16.61 | 1649 | 84.78 |
| 6 | 296 | 15.22 | 1945 | 100.00 |

Frequency Missing = 3101

```
data xxx ;
set xxx ;

agecat = . ;

if hw1 ne . and hw1 > 47 then agecat = 6;
if hw1 ne . and hw1 < 48 then agecat = 5;
if hw1 ne . and hw1 < 36 then agecat = 4;
if hw1 ne . and hw1 < 24 then agecat = 3;
if hw1 ne . and hw1 < 12 then agecat = 2;
if hw1 ne . and hw1 < 6 then agecat = 1;

run;
```

I get many missing values for the age categories, even in the FREQ file it is the same.

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## Subject: Re: 2013 Namibia DHS data: Numbers not matching
Posted by Bridgette-DHS on Fri, 17 Nov 2017 18:59:01 GMT
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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

I believe there are two possible reasons why you are not getting a match.  The first is that you need to use sampling weights.  The weights are given by v005.  Please read up on weights elsewhere in the forum or in our documentation.

Second, the KR file has all births in the past five years, including children who have died.  To get the surviving children you need to include (in Stata, not SPSS) "if b5==1".  I believe you will be able to replicate the table with those changes.

Please let us know if you still cannot match.

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## Subject: Re: 2013 Namibia DHS data: Numbers not matching
Posted by jwichmannza on Mon, 20 Nov 2017 08:34:47 GMT
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Hi again

See the FRQ file (uploaded here)

Item HW1: Child's age in months
... tbd-name: '.NMKR61FL_DICT.RECORD1.HW1'

| Categories | Frequency | CumFreq | % | Cum % | Net % | cNet % |
|---|---|---|---|---|---|---|
| 0 | 18 | 18 | 0.4 | 0.4 | 0.9 | 0.9 |
| 1 | 55 | 73 | 1.1 | 1.4 | 2.8 | 3.8 |
| 2 | 52 | 125 | 1.0 | 2.5 | 2.7 | 6.4 |
| 3 | 43 | 168 | 0.9 | 3.3 | 2.2 | 8.6 |
| 4 | 58 | 226 | 1.1 | 4.5 | 3.0 | 11.6 |
| 5 | 45 | 271 | 0.9 | 5.4 | 2.3 | 13.9 |

| 6 | 46 | 317 | 0.9 | 6.3 | 2.4 | 16.3 |
|---|---|---|---|---|---|---|
| 7 | 44 | 361 | 0.9 | 7.2 | 2.3 | 18.6 |
| 8 | 44 | 405 | 0.9 | 8.0 | 2.3 | 20.8 |
| 9 | 40 | 445 | 0.8 | 8.8 | 2.1 | 22.9 |
| 10 | 44 | 489 | 0.9 | 9.7 | 2.3 | 25.1 |
| 11 | 33 | 522 | 0.7 | 10.3 | 1.7 | 26.8 |
| 12 | 35 | 557 | 0.7 | 11.0 | 1.8 | 28.6 |
| 13 | 52 | 609 | 1.0 | 12.1 | 2.7 | 31.3 |
| 14 | 34 | 643 | 0.7 | 12.7 | 1.7 | 33.1 |
| 15 | 32 | 675 | 0.6 | 13.4 | 1.6 | 34.7 |
| 16 | 44 | 719 | 0.9 | 14.2 | 2.3 | 37.0 |
| 17 | 42 | 761 | 0.8 | 15.1 | 2.2 | 39.1 |
| 18 | 31 | 792 | 0.6 | 15.7 | 1.6 | 40.7 |
| 19 | 28 | 820 | 0.6 | 16.3 | 1.4 | 42.2 |
| 20 | 32 | 852 | 0.6 | 16.9 | 1.6 | 43.8 |
| 21 | 40 | 892 | 0.8 | 17.7 | 2.1 | 45.9 |
| 22 | 25 | 917 | 0.5 | 18.2 | 1.3 | 47.1 |
| 23 | 35 | 952 | 0.7 | 18.9 | 1.8 | 48.9 |
| 24 | 32 | 984 | 0.6 | 19.5 | 1.6 | 50.6 |
| 25 | 41 | 1025 | 0.8 | 20.3 | 2.1 | 52.7 |
| 26 | 25 | 1050 | 0.5 | 20.8 | 1.3 | 54.0 |
| 27 | 33 | 1083 | 0.7 | 21.5 | 1.7 | 55.7 |
| 28 | 36 | 1119 | 0.7 | 22.2 | 1.9 | 57.5 |
| 29 | 34 | 1153 | 0.7 | 22.8 | 1.7 | 59.3 |
| 30 | 28 | 1181 | 0.6 | 23.4 | 1.4 | 60.7 |
| 31 | 37 | 1218 | 0.7 | 24.1 | 1.9 | 62.6 |
| 32 | 33 | 1251 | 0.7 | 24.8 | 1.7 | 64.3 |
| 33 | 29 | 1280 | 0.6 | 25.4 | 1.5 | 65.8 |
| 34 | 30 | 1310 | 0.6 | 26.0 | 1.5 | 67.4 |
| 35 | 16 | 1326 | 0.3 | 26.3 | 0.8 | 68.2 |
| 36 | 29 | 1355 | 0.6 | 26.9 | 1.5 | 69.7 |
| 37 | 30 | 1385 | 0.6 | 27.4 | 1.5 | 71.2 |
| 38 | 39 | 1424 | 0.8 | 28.2 | 2.0 | 73.2 |
| 39 | 28 | 1452 | 0.6 | 28.8 | 1.4 | 74.7 |
| 40 | 23 | 1475 | 0.5 | 29.2 | 1.2 | 75.8 |
| 41 | 26 | 1501 | 0.5 | 29.7 | 1.3 | 77.2 |
| 42 | 24 | 1525 | 0.5 | 30.2 | 1.2 | 78.4 |
| 43 | 25 | 1550 | 0.5 | 30.7 | 1.3 | 79.7 |
| 44 | 26 | 1576 | 0.5 | 31.2 | 1.3 | 81.0 |
| 45 | 14 | 1590 | 0.3 | 31.5 | 0.7 | 81.7 |
| 46 | 34 | 1624 | 0.7 | 32.2 | 1.7 | 83.5 |
| 47 | 25 | 1649 | 0.5 | 32.7 | 1.3 | 84.8 |
| 48 | 30 | 1679 | 0.6 | 33.3 | 1.5 | 86.3 |
| 49 | 26 | 1705 | 0.5 | 33.8 | 1.3 | 87.7 |
| 50 | 19 | 1724 | 0.4 | 34.2 | 1.0 | 88.6 |
| 51 | 32 | 1756 | 0.6 | 34.8 | 1.6 | 90.3 |
| 52 | 32 | 1788 | 0.6 | 35.4 | 1.6 | 91.9 |
| 53 | 22 | 1810 | 0.4 | 35.9 | 1.1 | 93.1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 54 | 24 | 1834 | 0.5 | 36.3 | 1.2 | 94.3 |
| 55 | 26 | 1860 | 0.5 | 36.9 | 1.3 | 95.6 |
| 56 | 18 | 1878 | 0.4 | 37.2 | 0.9 | 96.6 |
| 57 | 20 | 1898 | 0.4 | 37.6 | 1.0 | 97.6 |
| 58 | 21 | 1919 | 0.4 | 38.0 | 1.1 | 98.7 |
| 59 | 26 | 1945 | 0.5 | 38.5 | 1.3 | 100.0 |
| | | | | | | |
| NotAppl | 3101 | 5046 | 61.5 | 100.0 | | |
| | | | | | | |
| TOTAL | 5046 | 5046 | 100.0 | 100.0 | | |

So 3101 missing values for the child's age (in month) variable.

Only 228 children were reported not to be alive anymore, see below, again from FRQ file.

So why so many missing values for the HW1 variable then?

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Item B5: Child is alive
... tbd-name: '.NMKR61FL_DICT.RECORD1.B5'

| Categories | Frequency | CumFreq | % | Cum % |
|---|---|---|---|---|
| 0 No | 228 | 228 | 4.5 | 4.5 |
| 1 Yes | 4818 | 5046 | 95.5 | 100.0 |
| TOTAL | 5046 | 5046 | 100.0 | 100.0 |

File Attachments
1) NMKR61FL.FRQ, downloaded 421 times

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Subject: Re: 2013 Namibia DHS data: Numbers not matching
Posted by Trevor-DHS on Fri, 08 Dec 2017 16:10:23 GMT
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The HW series of variables are for children measured for height and weight. In this survey height and weight was measured only for a subsample of children, and thus the age in this series of variables is provided only for this subsample.

The recommended method of calculating age in months for children is to calculate it using v008 and b3 as follows:

age = v008 - b3

See the note about calculating age of children on our website, which also describes recent changes we have made in the calculation of age in the most recent surveys.

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## Subject: Re: 2013 Namibia DHS data: Numbers not matching
Posted by Bridgette-DHS on Mon, 11 Dec 2017 17:28:52 GMT
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Following is another response (from Senior DHS Stata Specialist, Tom Pullum):

In the Namibia 2013 survey, it appears that there was a household-level selection criterion given by hv042, "household selected for hemoglobin", that refers to much more data than just the hemoglobin measurements. The information about children under five is only included for households with hv042=1. The following lines can be used to reduce the KR file to those households.

These households were randomly selected, so estimates from the KR file should be unbiased. You will find more information on this in the main report on this survey.

```
set more off
use e:\DHS\DHS_data\PR_files\NMPR61FL.dta, clear
keep if hvidx==1
keep hv001 hv002 hv042
tab hv044
rename hv001 v001
rename hv002 v002
sort v001 v002
save e:\DHS\DHS_data\scratch\temp.dta, replace

use e:\DHS\DHS_data\KR_files\NMKR61FL.dta, clear
keep v001 v002 hw1 b*
sort v001 v002
merge v001 v002 using e:\DHS\DHS_data\scratch\temp.dta
tab _merge
keep if _merge==3
tab hw1 hv042,m
tab hw1 b5 if hv042==1,m
```

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