
Subject: Toilet facility type codes don't match
Posted by [Anonymous](#) on Thu, 22 Oct 2015 14:14:51 GMT
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Hello,

Looking at the 2011 DHS-VI questionnaire for Bangladesh, the question on toilet facility types (#107 in the questionnaire) has codes of 11-15 for various flush toilets, 21-23 for pit latrines, and then 31 for "composting toilet," 41 for "bucket toilet," 51 for "hanging toilet/hanging latrine" and 61 for "no facility/bush/field". However, the recode variable hv205 has values of 11-15, 21-23, 31, and then 41-43 (instead of 41, 51, 61). Offhand I would assume that 51 and 61 simply translate to 42 and 43 respectively, but this doesn't seem to match up with the numbers, looking between the weighted proportions I get and the percentages in the final report: at a guess, hanging latrines are code 43 and none/bush/field is 31, but bucket toilets are not reported and composting toilets are also unclear then, since they were meant to be code 31 according to the questionnaire.

Is there anyone with knowledge of the 2011 survey coding who can say how these codes should be interpreted?

Subject: Re: Toilet facility type codes don't match
Posted by [Bridgette-DHS](#) on Mon, 26 Oct 2015 15:23:07 GMT
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Following is a response from Senior DHS Data Processing Specialist, Nouredine Abderrahim:

- In Bangladesh 2011 DHS, the codes of HV205 which is toilet facility come from question 107 of the household characteristics. During the recode process the answers to question 107 are translated into the categories of HV205 as follows:

Code 31 in 107 becomes 41 in HV205, code 41 becomes 42, 51 becomes 43, and 61 becomes 31, everything else remain the same. The meaning of the labels of the categories in the recoded data should match the meaning of the labels in the questionnaire, unless there's an error. Editing of the labels is sometimes done, for the purpose of standardizing for comparison across countries.

- Following are the frequencies for HV205, distributed with the Bangladesh 2011 DHS:

- In these frequencies, Hanging toilet/Latrine (Code 43) occurs 6.9% of the time. The final report of the 2011 Bangladesh DHS, which can be found in the www.DHSprogram.com website, shows in table 2.2 column 3, page 13, that this non-improved facility exists in 6.9% of the households, which is the same as the distributed frequencies.

- As you can see, Bucket toilet (Code 42 here) and Composting toilet (Code 41 here) occur 0% (1 and 2 weighted cases, respectively). There is, in general, no need to analyze events that occur in

very rare instances (which was done in the report). More information on minimum number of cases can be found in the following document from the DHSprogram website:
http://dhsprogram.com/pubs/pdf/DHSM6/Final_Report_Tab_Plan_2_4Oct2014_DHSM6.pdf. Basically, in the tables of the DHS reports, if the entire row or the entire column is zero, it is not included in the table.

- The interpretation of the different categories of question 107 (Household sanitation facilities) is discussed in the paragraph 2.1.1 Water and sanitation, starting on page 12 of the Bangladesh 2011 DHS final report. The definition of each of the sanitation facilities, included in the standard questionnaire, can be found in the interviewer's manual. Both the standard questionnaire and the interviewer's manual are available through the DHS program website. In the event that a facility is mentioned in the country's questionnaire, but not on the standard list and/or is not explained in the final report, the implementing agency should be contacted. They will be able to assist and provide additional information on the definition and use (their contact information can be found in the final report).

File Attachments

1) [freq.jpg](#), downloaded 2044 times

Subject: Re: Toilet facility type codes don't match
Posted by [abpromiti](#) on Mon, 11 Jun 2018 07:47:46 GMT

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Hello,

In BDHS2014 IR file, V116=type of toilet facility there is a labeling

97=not a dejure resident and it has frequency=590

but in Bdhs report where type of toilet facility is divided into improved and non-improved source of toilet, there the label 97=not a dejure resident is absent,

Can anyone please give me an idea about this label?

File Attachments

1) [Screenshot \(4\)_LI.jpg](#), downloaded 659 times

2) [Screenshot \(5\).png](#), downloaded 626 times

Subject: Re: Toilet facility type codes don't match
Posted by [Bridgette-DHS](#) on Thu, 14 Jun 2018 10:48:14 GMT

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Following is a response from Senior Data processing Specialist, Fidele Mutima:

Type of toilet facility: label 97=not a dejure resident

"Type of toilet facility" is actually a household variable; in household data, that variable is HV205. Some of the individual variables come from the household; one of those variables is "Type of toilet facility". In the individual data file, that variable is V116 mentioned in the forum below. For each

member of a household who is eligible for individual interviews, we set V116 = HV205. However, a non resident member in eligible range of ages who spent the night before the interview in the household is also eligible for interview; this is a defacto member. Since we don't ask individuals the question about "Type of toilet facility", we set it up to not applicable for non resident members (V116 = 97) and label it "Not a dejure resident". Actually, the frequency for V116 = 97 is 1144, not 590.

Improved, not shared facility: Is when HV225 = 0 (toilet not shared with other household) and HV205 = 11 (flush/pour to piped sewer system), 12 (flush/pour to septic tank), 13 (flush/pour to a pit latrine), 21 (Ventilated improved pit (VIP) latrine), 22 (pit latrine with a slab), 41 (composting toilet).

Improved shared facility: Is when HV225 = 1 (toilet shared with other household) and HV205 is equals to 11 (flush/pour to piped sewer system), 12 (flush/pour to septic tank), 13 (flush/pour to a pit latrine), 21 (Ventilated improved pit (VIP) latrine), 22 (pit latrine with a slab), 41 (composting toilet).

Non-improved facility: Is when HV205 = 14 (flush/pour somewhere else), 15 (flush/pour don't know where), 23 (pit latrine without slab /open pit), 31 (no facility/bush/field), 42 (bucket toilet), 43 (hanging toilet), 96 (other).

Subject: Re: Toilet facility type codes don't match
Posted by [Hassen](#) on Thu, 14 Jun 2018 13:49:31 GMT
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Thank you all, I have learned a lot from your daily posts.
With Best Wishes,Hassen

Subject: Re: Toilet facility type codes don't match
Posted by [abpromiti](#) on Tue, 03 Jul 2018 10:10:02 GMT
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Can you please give me spss syntax coding?

Subject: Re: Toilet facility type codes don't match
Posted by [kingx025](#) on Mon, 09 Jul 2018 00:28:39 GMT
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Just a note that the IPUMS-DHS variable on type of toilet facility also uses the household variable HV205 to create the integrated variable TOILETTYPE/HV205. We link the household file to the files for women, children, and births so that we can use household-level variables on the household (such as HV205 for type of toilet facility). There will therefore be no value for "non resident" for HV2015 in IPUMS-DHS unless there is no household file available for that dataset

and the information has to be taken from the women's individual recode file.

The variable on toilet type, which has country-specific codes in the original DHS files, is given consistent codes and labels in IPUMS-DHS.

Miriam King
