
Subject: Re: Standardizing glucose measurements across surveys

Posted by [Bridgette-DHS](#) on Tue, 26 Dec 2023 22:34:32 GMT

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Following is a response from Senior DHS staff member, Tom Pullum:

You would answer a question such as this with the following steps.

First, find the variable and the label in the PR file. This took me a couple of tries, but I finally found it with "lookfor hba":

```
shwhba1c    int    %8.0g    SHWHBA1C    final result hba1c for women (3 decimals implicit)
```

The label of the variable suggests that the values include a factor of 1000, but I proceed to check this.

Second, list the label to find the non-numeric codes:

```
. label list SHWHBA1C
SHWHBA1C:
  99995 inconclusive
```

This value must be excluded from any data analysis.

Third, summarize the numeric values of the variable:

```
. summarize shwhba1c if shwhba1c<99995
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
shwhba1c	4,331	6392.265	1344.853	3800	21400

Fourth, search the report to find the typical values in tables. I see that the cutoffs are 5.7% and 6.4%. Multiplied by 1000, these are 5700 and 6400. Those are in the range from 3800 to 21400, and with any other factor of 10 the values would be outside the range from 3800 to 21400.

Answer: the variable in the data file includes a factor of 1000.
