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Subject: DHS Senegal - Stove variables

Posted by [ThomasThivillon](#) on Fri, 22 Dec 2017 10:31:09 GMT

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Dear DHS team,

I am working with the DHS datasets 2012-13 and 2014 for Senegal. In both surveys, the household questionnaires include a question on LPG/electric stove ownership and another question on improved biomass stove ownership (question #110). However, the translated variable labels in the data dictionary and datasets are a bit confusing: variable sh110j is simply labeled "stove" and sh110k "improved kitchen". Could you confirm that sh110j corresponds to "has electric/LPG stove" and sh110k "has improved biomass stove"? Many thanks !

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Subject: Re: DHS Senegal - Stove variables

Posted by [Liz-DHS](#) on Fri, 05 Jan 2018 22:08:47 GMT

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Dear User,

The labels for these country specific variables should be the same as in the questionnaire for that question number.

For SH110J Un réchaud/cuisinière à gaz/électrique ? stove / gas stove / electric stove

For SH110K Un foyer amélioré / (in this case) improved kitchen.

I made a few inquiries and was sent the following photo for "improved kitchen"

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### File Attachments

1) [Improved.png](#), downloaded 737 times

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Subject: Re: DHS Senegal - Stove variables

Posted by [ThomasThivillon](#) on Wed, 24 Jan 2018 18:23:20 GMT

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Dear Liz,

Thank you for the clarification. This is helpful but brings up another question: looking at the data for each of the four available waves of Senegal's continuous DHS survey (2012 to 2016) with the proper sampling weights, it turns out that the proportion of households who answer "yes" to SH110J is comprised between 10 and 20% in a given year, while 25 to 30% declare that LPG is their main cooking fuel(question HV226). How would you explain this discrepancy? i.e: How can we account for the fact that approximately 10-15% of households cook with LPG but don't seem to own a stove? Is it possible that surveyors were instructed to only record large-size LPG stoves (ex: several burners/with oven) and did not take into account small portable single-burner LPG stoves? This is very hard to understand without more information on the way surveyors were

instructed to handle SH110j. Many thanks in advance for your help ! Thomas

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Subject: Re: DHS Senegal - Stove variables  
Posted by [Liz-DHS](#) on Tue, 01 May 2018 17:31:22 GMT  
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Dear User, Do you still need assistance with this post? Thank you!

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Subject: Re: DHS Senegal - Stove variables  
Posted by [Nathanael](#) on Thu, 14 Feb 2019 10:24:24 GMT  
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Dear Liz,

I ran into the exact same problem while using the survey from 2017 and would be glad if you clarified the issue. Also I wondered, which kind of stoves are actually considered when it comes to question SH121K ("has improved stove?"). I saw the picture you attached to the earlier answer, but I would be surprised if only these specific stoves are regarded as improved.

Thanks in advance for your help.  
Nathanael

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