Subject: Urban / rural variable
Posted by hannah.leslie on Wed, 23 Sep 2015 19:14:21 GMT
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Dear DHS,

Is there a reason that the urban / rural variable v003 in recoded facility datasets is NA / missing? Would there be any alternative means to obtain this information, whether within the dataset or by request?

Thank you.

Subject: Re: Urban / rural variable
Posted by Liz-DHS on Thu, 01 Oct 2015 19:11:14 GMT
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Dear User,
Thank you for your post. Before we can help you we need to know which data set you are working with. The exact name of the file you downloaded along with the survey and year would be very helpful. Look forward to getting that information.
Thank you!

Subject: Re: Urban / rural variable
Posted by hannah.leslie on Mon, 05 Oct 2015 16:10:40 GMT
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Dear Liz,

Thank you for replying. My research group is working with the following datasets:

Guyana HIV SPA 2004: GYSR04FC.DTA
Kenya SPA 2010: KESR10FC.DTA
Namibia SPA 2009: NMSR09FC.DTA
Rwanda SPA 2007: RWSR07FCB.DTA
Tanzania SPA 2006: TZSR06FC.DTA
Uganda SPA 2007: UGSR07FCB.DTA
Zambia HIV SPA 2005: ZMSR05FC.DTA

v003 appears as 'na - urban / rural' in all of them. Please let me know if I can provide any further details. Thank you for your help!

Subject: Re: Urban / rural variable
Posted by ClaraB-DHS on Mon, 05 Oct 2015 20:29:16 GMT
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All SPA datasets prior to 2009 did not include geographic identifying data below the sampling region including rural/urban classification. In many cases actually it doesn't seem that urban/rural classification was necessarily used to create the sample selection, though in some cases it might have been taking into account.

Surveys since 2009 including Namibia and Kenya do have GPS datasets that could be used to classify a facility as urban or rural using some other data sources on populated places.

Unfortunately there are no other sources of the urban or rural classification for those dataset prior to 2009.

Subject: Re: Urban / rural variable
Posted by hannah.leslie on Tue, 06 Oct 2015 14:00:22 GMT
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Thank you! That's very helpful to know.

Subject: Re: Urban / rural variable
Posted by leo2015 on Fri, 25 Dec 2015 11:17:39 GMT
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I am also interested in looking at urban/rural facilities in the Kenya 2010 SPA. Can you please provide additional information on the other data sets needed to look at urban/rural with the KSPA GPS data? Thanks very much.

Subject: Re: Urban / rural variable
Posted by Matt-DHS on Fri, 08 Jan 2016 14:43:04 GMT
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Since the SPA datasets do not contain urban/rural classification, the other data sources you may use to determine urban/rural classification will ultimately depend on the availability of information in any particular country from a suitable time period. Typically, a country's national statistical office or census office will have their own definition of urban/rural areas---this is what the DHS Program often uses when conducting the sampling for household-based surveys. These urban/rural area classifications may not be publicly available, or not available in a way that is conducive to doing a spatial join to the facility locations, but the national statistical office or census office may be a good place to start looking for data. Another option would be to use population density rasters to estimate urban/rural classification based on the density around the facility location. Two projects that produce these kinds of rasters are GRUMP (http://sedac.ciesin.columbia.edu/data/collection/grump-v1) and WorldPop

(http://www.worldpop.org.uk/).