## Subject: Re: Comparability of tobacco prevalence between NFHS 2 & 3
Posted by Bridgette-DHS on Tue, 23 Aug 2016 16:06:26 GMT
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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

In NFHS2, the questions about tobacco use were included in the household survey and were asked about everyone in the household, regardless of sex or age. The information was provided by "the household respondent", an adult member of the household.

In that survey, individual women were only interviewed separately if they were ever-married, and men were not interviewed separately.

In NFHS3, the questions were included in the individual interviews of men and women, who responded about themselves. In that survey, all de facto women who were in the sampled households and in the age range 15-49 were eligible for the women's questionnaire. All de facto men who were in the sampled households and in the age range 15-54 were eligible for the men's questionnaire. "De facto" means the person slept in the household last night and is specified with hv103=1.

You have comparability except for the age ranges and the differences in who was providing the information (the household respondent or the specific person to whom the information applies). You can restrict the IAPR42 file to women age 15-49 and men 15-54 (or restrict all the files to age 15-49) to adjust for the differences in age ranges. There will be a possibility that in the NFHS2 the household respondent was not aware of the smoking status of everyone in the household, or for other reasons misrepresented that status. But there's always the possibility that even when describing their own status, individuals will not be accurate, especially if any stigma is potentially associated with the response. However, all the samples are representative of the population living in households at the time of the respective surveys. Differences between the weights, that is, differences between hv005, on the one hand, and v005 or mv005, on the other hand, will be small and only depend on adjustments to correct for nonresponse. Your suggestion #3 below is definitely not needed.