

Review of: "Factors Associated with Contraceptive Use Among Migrant Female Head Porters in the Kumasi Metropolis"

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Potential competing interests: No potential competing interests to declare.

In this article the authors examine contraceptive use and affecting factors among 200 fertile-age female head porters in Ghana. The text is well-written and the research question of clear public health relevance. I have only a few, mostly minor comments to the authors:

1. Introduction, page 2, third paragraph: "Contraceptive utilization is usually low among young women, peaks among women in their late twenties and thirties, and declines the women ages". Are these figures specific for African countries, or Ghana, or what else? Also, please check the wording of the sentence "and declines the women ages".
2. Introduction: please, add a short sentence explaining the aims of this study.
3. Methodology, page 4, Data Analyses Plan: I think the authors meant "multivariable", rather than "multivariate".
5. Results, page 5, first line: "An overwhelming number (97%) of respondents affirmed they have had unprotected sex in the past month". According to what reported in Table 1, 97% of respondents had sex in the past month, but in the table it does not say that it was "unprotected" sex: are these two different figures that are presented, or is one of the two results wrongly reported? Please, solve this apparent inconsistency.
6. Results: do the authors have any information on the types of contraception used, and their prevalence? Condom? Hormonal contraceptives?
7. Results, table 2: to me, based on the reported CIs, it seems that the associations are not significant, e.g. for HIV status, monthly income, multiple sexual partners (although the reported p-values are significant). Am I interpreting the CIs wrongly? Or are they wrongly reported?
8. Results, Table 2: according to the p-values reported in the Table, monthly income is also associated with contraceptive use (which I think has important public health implications), but this finding has not been reported in the Results nor discussed in the Discussion section.
9. Discussion: strengths and limitations of the study should be addressed.

Minor points:

1. Introduction, page 2, second paragraph: please, check the punctuation: “CPR in South Africa, Mozambique, Kenya, and Somalia is 60.3%_15.7%, 12.7%, and 2.6%
2. Methodology, page 3, paragraph “Study population”: please, check the punctuation of the first sentence.
3. Methodology, Page 4, line 6: please, spell out “KNUST” at its first occurrence in the text.
4. Results, page 5 and later: please, spell out “NHIS” at its first occurrence in the text, and in a footnote of Table(s). Same for STI.
5. Discussion, page 7, first line: “Fifty percent of the sampled population were aged between 12-20 years this age structure reflects the Kaya business”. Please, check the punctuation of this sentence.