Reviewer’s report

Title: Low consumption of Fruits and Vegetables among Adults in Uganda: Findings from a countrywide cross-sectional survey

Version: 0 Date: 26 Nov 2018

Reviewer: Karin De Ridder

Reviewer's report:

Dear authors,

Your manuscript was well written and good readable. I was not familiar with eating habits in Africa/Uganda, but one point especially strikes me and seems to me a very important element in public health strategies in your country: the geographical significance in fruit/vegetable consumption. In your discussion it is linked to cultural diversity and its influence on food choices: is there any possibility that it also can be linked to macro-socioeconomic and geographical differences (and as such be important in public health prioritisation on a higher policy level)? Optional, it would be an extra asset in this perspective to do a multilevel analysis e.g. based on regions (or other relevant geographical grouping, ev. Including some aggregated variables like socioeconomic status of the region,...) and/or map/visualise the consumption by e.g. regions.

Page 4 study design: Although there is reference to other publication on the topic sample size and sampling procedures, I would prefer somewhat more text so that it easier to know to which extend your sample is representative for your country.

Page 6, backward stepwise elimination: the removing of the variables: what was the level of statistical significance to remove variables? The goal is adjustment for confounding, but how did you assure that you did not have colliding variables (that might cause bias) in your model?

It is noted that marital status is strongly associated with fruit/vegetable consumption. Has it the same importance for men and women, or not? (or: did you examined the Interaction term Sex*marital status?)

It is an interesting choice to use Possion regression and PRR and I understand the scope of your article is to examine the adherence to the guidelines. Did you test your Poisson also on a non-binary outcome, but e.g. on the whole range of mean fruit/vegetable servings per day? With Poisson you can find out more than only the event (yes/no) and have more details on the number of events as such. It would be interesting to know if your conclusions on the relevance of your covariates remains the same (because the path to 5 consumption per day is influenced by the gradual increase in the number of consumptions).
Kind regards,

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**Quality of written English**
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