Reviewer’s report

Title: Double burden of malnutrition among ever-married women in Bangladesh: A pooled analysis

Version: 0 Date: 18 May 2018

Reviewer: Xiaoyan Iris Leng

Reviewer's report:

The paper described double burden of malnutrition (overweight/obese and underweight) among ever-married women in Bangladesh based on the four pooled surveys over a ten year period (2004 to 2014).

The data are of interest of public health concerns however the I have some major concerns that authors need to address:

1. When using the pooled survey, please make sure there is no repeated measures on some of the participants.

2. My major concern is the statistical analysis using multinomial logistic regression. The description of the analysis was minimum. It is not clear what variables are included in the model. What link function was used? What is relative risk ratio (RRR)???? Did the authors mean relative risk/risk ratio??? How did the authors get that? In general odds ratios were estimated from multinomial regression. If the authors used relative risk/risk ratio, how did they converted the values from odds ratios? When the even is not rare, odds ratio are not suppose to approximate relative risk/risk ratios. The authors should include a statistician when doing the analysis.

3. Since those data were from four different surveys, it would be interesting to see how year interact with the socio-demographic characteristics, i.e. , are the socio-demographic characteristics effect differ across the four surveys? The will provide more insight on the prevalence of malnutrition.

Minor concerns:

On page 4: first paragraph, low birth weight, preterm birth ,..... higher risk of early mortality are not communicable diseases.
On page 5: there are too much redundant information of prevalence of malnutrition, please consolidate and summarize.

On page 5: BDHS first appeared without spelling out.

On page 8: second paragraph first sentence, did the authors mean underweight. The number is not consistent with Table 1.

On page 10: the paragraph after table 1, the number for richer and richest are not consistent with table 1.

Table 1: Age category is not consistent with text (13~19???)

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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