Reviewer’s report

Title: Prevalence and associated factors of undernutrition among under-five children from model and non-model Households in East Gojjam Zone, Northwest Ethiopia: A comparative crosssectional study

Version: 1 Date: 17 Dec 2018

Reviewer: Reviewer 2

Reviewer's report:

REVISION ASSESSMENT FROM THE ACADEMIC PEER REVIEWER:

Has the author addressed your concerns sufficiently for you to now recommend the work as a technically sound contribution? Yes

Reviewer comments: The authors have made very commendable efforts to improve the manuscript content in terms language edits, writing limitations and so on.

This manuscript has merit, but there are few more outstanding concerns including those of language edits, terminology use and data analyses and their interpretations. I apologize for bringing in a few new concerns at this stage.

1. Authors use under nutrition which should correctly read as "undernutrition", change this throughout the manuscript.

2. Replace magnitude by prevalence, as it was community survey in a defined region of Ethiopia.

3. Mention which are outcome and associated factors in abstract as well as main manuscript data analyses section.

4. In abstract provide number of model and non-model household in brackets. Abstract line 50-58 and also main paper, it should be interpreted as to what should be done to improve the nutritional status.

5. Methods line 124 to 130, I understand this as a two-stage stratified sampling (stratified by model and non-model households) Line 136 please check if < 2 SD of Z-score they write as 3 PLEASE check this Line 173 onward or before this line

6. Describe the procedures and instruments used for measuring, weight and height; how was age measured, what used to confirm age, for example healthcard, birth certificate.

7. TABLE 1 provide the numbers and give actual p-value in the last column, rename title as
8. on multivariate analyses
The sample studied is sufficient a descriptive comparison between TWO types of households. Current analyses and their interpretations are very weak and cannot be interpreted as factors leading to undernutrition since most important factors are missing in the data.

9. Lack of sufficient information (data) about factors associated with underweight, stunting and wasting in TWO types of households has resulted in very very weak results without much power at all.

10. See the paper by Sreeramareddy et al. see the link https://www.ncbi.nlm.nih.gov/pubmed/24791573

11. At the least I propose authors discuss presence of any undernutrition (either of underweight, stunting and wasting) as binary variable.

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

Yes

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

Yes

**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.

Not relevant to this manuscript

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

Needs some language corrections before being published
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