Reviewer’s report

Title: Prevalence of diabetes and pre-diabetes in rural Tehri Garhwal, India: Influence of diagnostic method

Version: 1 Date: 13 Mar 2019

Reviewer: Matthew Kelly

Reviewer's report:

Overall this is an interesting paper with significant implications for measuring the growing burden of diabetes in low and middle income countries. The testing of methods to measure this burden and identification of the most feasible and reliable method is a good contribution to the literature on this topic.

I have several minor comments, mainly concerning the methodology and presentation of results.

1. In the methods it is mentioned that anthropometric measurements were taken of the participants. But no results from these measurements are presented. Is there a reason for this? In describing your study population it would be interesting information for the reader to know.

2. Further to this point, did you do any assessment of interaction between anthropometric measurements and the diabetes diagnosis?

3. The description of the study population in the methods section is too brief. How did you randomly select villages? Within the selected villages, were all adults recruited? Or was there a random sample of households in each sample village? How did you recruit the villagers? Through local health staff? We need to know a little more about how recruitment actually happened.

4. In the follow-up study using FBG you only tested the people who were assessed as pre-diabetic, or diabetic using the initial methodology. I was wondering why this was? If you tested all participants again then you may identify individuals who were negative under the first method, but positive using FBG. This would contribute to the methodological assessment. I realise the study has already been conducted and you can't go back and do that. But, a justification as to why should be included in the Methods section

5. The same as point 4 applies to the anemia testing. Why was that only carried out in the second round?

6. In the results, first paragraph, you describe median household income. Is that per week, per month?

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.

Yes

**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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