Reviewer’s report

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

Version: 1 Date: 19 Mar 2019

Reviewer: Joanne Thandrayen

Reviewer's report:

The article was interesting and covered a gap in the existing literature while identifying the need for further research.

Some comments/suggestions would be as follows:

1. Page 6, sub-heading "Initial Survey (time 1)"; It would be appropriate to report that one missing case in this section rather than later (Page 7, Line 47). The reference to Figure 1 where readers can see the "499" is in this section.

2. Page 6, sub-heading "Clinical definitions": Perhaps use these mathematical definitions instead for FBG (100 mg/dL ≤FBG ≤ 125 mg/dL) and PBG (140 mg/dL ≤PBG ≤ 200 mg/dL). They are more in line with their opposites of FBG > 125 mg/dL and PBG > 200 mg/dL respectively.

3. Page 7, Line 32: It is not clear what the authors meant by "same procedures". Did they mean "crude prevalence" and/or "Chi-square" test. The latter is a test of association. It's not a test to obtain percentages.

4. Page 7, Line 45: It would facilitate the reading to specify the n and % for FBG.

5. Page 7, Line 47: "We excluded one case..."; please see comment 1 above.

6. Page 9, Line 16: Space missing between Hb and FBG/PBG.

7. Page 9, Line 26: It is not necessary to specify "exact McNemar's" before the p-value. It is understood that the p-value belongs to McNemar's test as the test statistic value was provided.

8. Page 9, Line 54: The word "outcomes" is not appropriate for p-values. Perhaps rephrase as the "p-values were based on the Wilcoxon's...".

9. Page 10, Lines 33 & 34: Please see comment 2 above.

10. Page 10, Line 47: Colon missing after 95%CI. Also see comment 7 above.
11. Page 10, Line 54: The authors commented on "with and without moderate to severe anemia...". However this is not reflected in the column headings of Table 4. Perhaps use something along those lines in the column headings. No anemia (including mild anemia), Anemia (moderate/severe anemia).

12. Page 10, Line 56: The word "thus" doesn't appear to be necessary here.

13. Page 11, Line 36: Please see comment 2 above.

14. Page 12, Line 29: Space missing between Hb and diagnosed...

15. Page 13, Line 18: Extra dash between Hb and diagnosed...

16. It would be appropriate to include a table showing the distribution of the "499", "117" and "23" across the 5 villages. Perhaps the authors could add this in the Supplementary Material section.

**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

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If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

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