**Reviewer’s report**

**Title:** Examination of Dietary Habits Among the Indigenous Kuna Indians of Panama

**Version:** 1  **Date:** 16 Jul 2019

**Reviewer:** Rebecca Haslam

**Reviewer's report:**

Thank you for addressing the reviewers queries. They have mostly been addressed satisfactorily but minor amendments and clarifications are still required.

**Introduction:**

- The previous reviewer queried the lack of information in your introduction on the current environments, lifestyles, and health outcomes of this population. While you have justified why this has not been included, it would be beneficial to include a statement in your introduction that states this type of data is currently lacking in this population. This further justifies the need for your study.

**Methods:**

- You have partly addressed the lack of detail on dietary assessment method but this could be further highlighted. Please include a statement at the start of the data collection section which details that your survey was a food frequency questionnaire?

- Statistical analysis: There are some inconsistencies between your statistical analysis section and the reporting of your results/tables which makes interpretation of your findings difficult. You state in the statistical analysis section that you conducted chi2 however, everywhere else you refer to correlations which are not mentioned in your statistical analysis section. Please clarify and amend as needed.

**Results:**

- As mentioned in methods, there are some inconsistencies with the type of statistical analysis methods you have used. Lines 204 onwards discusses correlations which are not reported in
your methods. I assume correlated is not the correct terminology to be used throughout the results section and in Table 3. Please amend or provide further detail to clarify.

- In relation to Table 3, as many of your variables have more than two categories (except gender), when you have a significant p-value, we do not know which groups there is a statistical difference between. Much of your written results suggest you have shown that e.g. the poor income group consume more fish. While they do have a larger proportion in this category, as it is currently, Table 3 does not support this as a statistically significant difference. Please amend results and Table 3 to reflect this.

Discussion/Limitations:

- While I can see you have highlighted your reasoning for not detailing a sampling frame in the methods section, this is still not reported in the limitations section.

- While you have included a limitation statement regarding potential for wrong categorization of food groups, it would be of benefit to include more detail on the groups that may be more likely to be incorrectly categorized e.g. fast food, fried food, vegetables.

Tables/Figures:

- Figure 2 is probably sufficient without also needing Table 2.

- Table 3: Please be more descriptive in the title of what is being reported in this table. Is it chi2 analysis to determine if the frequency/proportion of subjects consuming daily food groups differs between socio-demographic variables?

Level of interest
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

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

Acceptable
Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests.

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal