Review of: "Statistical Overview of Prevalence of Anaemia with Associated Socioeconomic and Demographic Factors in Nigeria"

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Potential competing interests: No potential competing interests to declare.

Thank you for the opportunity to review the article.

Comments to authors:

1. Kindly restructure the introduction. After mentioning the prevalence in Nigeria, mentioning prevalence in India and sub-Saharan Africa seems a little less systematic.

2. "*The data used for this study was obtained from the Demographic and Health Survey (DHS) for the 2021 Malaria Indicator Survey (MIS). This cross-sectional data set, which is nationally representative, was gathered through in-person interviews with women between the ages of 15 and 29.*" Kindly mention the period of data collection for this survey.

3. "*There are no significant associations between the variablesH1�1: There are significant associations between the variables.*" Please write specific hypotheses mentioning the dependent variables.

4. "*Those who are anaemic are 7,255 (67.72%) while 3,459 (32.28%) are not anaemic.*" This is written in the initial part of the descriptive analysis of data; however, in Table 3.1, it is mentioned in reverse, kindly check.

5. "*Association between anaemia and socioeconomic and demographic variables and its prevalence*"The title of Table 3.2 is not clear, prevalence of what?

6. In Table 3.1 and the description given below the table, the proportion of children with malaria is given as 38.33% (frequency = 4107). But in Table 3.2, the frequency of children with malaria is 6607 (61.67%). Kindly check the discrepancy. Accordingly, modifications should be made in all segments referring to this association.

7. Please modify the title of Table 3.3.

8. "*Positive malaria rapid test was more likely to be tested positive for anaemia.*" Table 3.3 shows children with a positive malaria test are protected against anaemia.

9. This study has analysed the prevalence of anaemia among children less than 59 months of age. Therefore, the last line of the introduction, "*In addition, since there is a dearth of data on anaemia in populations other than children and pregnant women in Nigeria, the study will ascertain the prevalence of anaemia in these populations,*" is not correct.

10. Kindly avoid unnecessary explanations regarding the chi-square test and logistic regression.

11. Section 3 should be titled Results and Discussion.

12. Kindly add a note on how the study findings compare with other similar studies, additional findings, and limitations of

this study.