Review of: "Prevalence of Buruli Ulcer Among Residents in Jasikan Municipality: A Cross-Sectional Study"

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The study is relevant and important in a place where the disease is common. I appreciate the authors.

1. The problem statement in the abstract section lacks clarity. Readers of the abstract might not get why the study was done. Could you be please show the reason why you conduct the study there in the municipality?

2. "A sample of 56 cases of Buruli ulcer was identified from the population": did you select only this cases? Confused? Clarify it

3. "Data collected were entered into EpiData Manager version 4.0.2.101 and exported to Stata version 14.1 for analysis at a significance level of $p<0.05$ at a 95% confidence interval".   [ATG1]   Restate these in the abstract section

4. You can summarize shortly the study setting. It is too long and include relevant information only.

5. You can replace "Research study" by "Study design". You can avoid unnecessary information here

6. Study population: "The study included residents of Jasikan Municipality who had stayed for at least one year before the study, residents with nodules, plaques, or any lesions, and confirmed Buruli ulcer patients"…………did you include residents showing these manifestations only? If yes, the topic of your research could be modified.

7. **Sample Size Determination:** A sample size of 56 respondents was sampled from the study population. The sample size was determined using the method described by Kelsey et al. (1996). You only included 56 cases of ulcer right? then the topic could be about "characteristics of ulcer cases in Jassika Municipality". Meaning you can't determine prevalence in this case. Read about prevalence study?

8. **"Sampling Methods:** The study employed a census approach as a sampling technique to collect data from the residents in the study to determine the prevalence of Buruli ulcer among the population. A case search was done in all the communities at Jasikan Municipality to identify cases" …………………..have you asked/checked all the residents for the ulcer. it could be snow ball method rather than census, if you didn't? check this

9. "Data collection: Once a case was identified, it was matched with a control in the same community"………………………..why did you match this study with controls? Is that a case control study? Restate it

10. "Data collection: …………………what did the questionnaire comprises of? Did you include sociodemographic characteristics, etc mention them here

11. "**Statistical Analysis………………elaborate it?**

12. **Prevalence of Buruli Ulcer Among the Residents:** From Table 2, in terms of oedema, the majority of the cases, representing 89%, reported a sore on the skin with an ulcer. The study also found that the majority of the cases had a

single lesion, and 95% of respondents had their site of lesions located on the lower limbs. From the findings, it was found that 59% of respondents said their illness evolved rapidly within four weeks"………….nothing tells about prevalence here. Hence, change the title to characteristic of Buruli Ulcer in Jassika." .

13. **"Calculation of Buruli ulcer prevalence:** The period prevalence = 56/73,263 x 10,000 = 0.000764 per 10,000 population = 8.0 per 10,000 population"………………..your sample is 56 but you calculated the sample from the total residents? Where did you bring the total population of Jassika municipality? Have you included all in your sample? It is vague? You had to ask for sociodemographic charactetsitc and others for the none-buruli ulcer residents too? Hence, as to me change the title to characteristics of Buruli Ulcer in Jassika Municipality. Else, you could include all the residents and ask about thier sociodemographic characterrstics and others too.

[ATG1]