

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

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Potential competing interests: No potential competing interests to declare.

Although I have been working several year in the control of Intestinal parasites and NTDs, I don't have any specific experience on Buruli Ulcer. Hence, I will provide some suggestion on the way the manuscript was written and technical contribution on the methods of the survey. I hope my contribution will be useful for the authors.

The main limitation of the ms is to present the survey as: "a descriptive cross-sectional study design. A simple random sampling method was used to select respondents." For many readers this sentence in the abstract will imply that the study was a cross sectional household survey. In the abstract, the sentence: "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", should replace that on cross sectional study design, making clear the sampling method.

I would discuss with a statistician/epidemiologist on the appropriateness of the sampling method used, rather than the classic two stages random sampling household survey (with an appropriate minimum sample taking into account the low prevalence of the disease), and include the justification for this choice in the methods section.

The variability of data on cases detected in the municipality under study, and the rising number in the general population, suggest the collection of longitudinal, rather than cross sectional data. There is any plan for the research team to repeat the study after few years? Even if no such plan exist, the suggestion to repeat the study and monitor the variation in prevalence should be part of the paper.

METHODS

Study site: there is a detailed description of the municipality, but no mention of the total population. Data on the total number of people living in the municipality must be included.

Sample size determination: *"The sample size was determined using the method described by Kelsey et al. (1996)."* I cannot find this reference. Please check all the references and use one of the standard methods to number or list them. Also quote a reference for the "census approach sampling technique".

Statistical analysis: In this section you can read just information on the data entry/management and significance level. The description of the statistical analysis conducted is missing.

RESULTS

Please clarify this sentence: *"From the findings, it was found that 41% of the respondents indicated that the outcome of the sample was positive"*.

STRENGTH AND LIMITATION

Please clarify this sentence: *"The study lacked the social constructions of residents on Buruli ulcer."*

CONCLUSION

"The prevalence of the disease among the population was higher than what was found in the Health Directorate data."

Please clarify if data presented in the Health Directorate were collected with the same method, if not consider possible differences based on the method.