

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.

Dear Authors,

I understand the importance of conceiving such a marvellous idea to bring to lamp light the situation of Buruli Ulcer in the Jasikan Municipality. A brutal infection that warrant immediate attention.

I find this study below power for publication in its present state for the following reasons.

1. The study design is not strong enough nor is it constructive in capturing the bigger picture or objective as it is stated.
2. The sample size calculated to 56 is not motivated (i could not find in your manuscript a description or any formula on how you came up with this number,) and is unreliable due to its small size limiting the power of study inferring any values to the greater population.
3. The authors used a census sampling method. A census sampling method includes every member of a given population as response for a study. This is not the case in this present study. It would have been logical to specify the study population as those suspected of having Buruli ulcer.
4. This sampling does not reflect the general population and thus i find it challenging to use the findings in defining the prevalence of Buruli ulcer in Jasikan.
5. For a scientific study of this magnitude in which results could provide data for use by policy makers, health care providers and health care stake holders, diagnosing Buruli ulcer using descriptive method, clinical signs WITHOUT laboratory diagnosis is largely unreliable.

It would have been more enlightening to provide a meta analysis or a review on the data available on the prevalence of Buruli Ulcer in this region, and draw some conclusions on the need for an interventional study.

Good luck!