

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.

The study Prevalence of Buruli Ulcer Among Residents in Jasikan Municipality: A Cross-Sectional Study looked at the prevalence of Buruli ulcer in Jasikan Municipality, comprehensively discussed the burden of the disease and stressed the necessity to strengthen further awareness and control efforts to detect cases and impact of treatment. Well written article. Can be improved by adding some additional information.

Abstract section: The result section has only the prevalence but has some demographic data and information on clinical conditions. These can be added briefly.

Introduction section: There are examples of varied prevalence in different regions of Ghana, but it would have been useful to add reasons for some potential differences among the geographical areas. Risk factors, reservoirs and clinical findings of such patients can be added. The global burden could have been discussed.

Study site: The reason for choosing the study site can be shortened and put in an introduction series to validate why to choose the reason.

Study population: Needs to be clearly defined concerning age, sex, and clinical features

Methodology section: there is no mention of how these patients were diagnosed with Buruli Ulcer and diagnostic case definition need to be added. Were sufficiently specific tests done to differentiate *M ulcerans* from other environmental mycobacteria? What was the target insertion sequence used in the PCR?

Laminated pictures of various stages of Buruli ulcer were used to look for the cases in the communities within the Jasikan Municipality- It needs clarification. Are these taken from treatment files or the source? How these patients were selected as suspected cases of Buruli Ulcer is not clear.

What was the sample taken for the diagnosis?

Sample size calculation: Prevalence calculation is not clear particularly $73,263 \times 10,000$, this calculation needs some explanation. The statistical analyses section needs to be written clearly with an explanation.

Reference section: Recent publications need to be added as most of them are old.

