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

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Introduction

The introduction need thorough review on the disease status, risk factors known, Knowledge, attitude and practices towards the disease among Ghanaians. Fate of the disease if not treated? The socioeconomic effect of the disease

Material and methods

Study site: A map showing location of the study area will add value to the manuscript

Study design:

Missing the inherent properties of cross-section study, it is more of targeted or purposive study design or just a census. It is sometimes confused if its census as there was a tracing of cases. It should be categorically described the study design bearing in mind what was exactly done and inherent properties of different study designs. This is critical to justify if the study design can really answers the hypothesis/study question.

Sampling method: If census, why case search? Should be objective

Sample size determination:

Why sample size determination if it is a census?

It not clear if 56 is a sample size according to the survey or just a total cases identified during census relate it with prevalence calculation.

Statistical analysis: rich of descriptive analysis, however association analysis (inferential analysis) for hypothesis testing will add more value, the results of which can be commented on the mitigation measures for controlling the disease.

Coherence: lack of logical flow of the activities done in methods particularly in data collection procedure.

In addition nowhere described the control in a community, what is it and why control if you have clear case definition.

Apart from case definition, a simple laboratory test should have been done to justify the fit of case definition but also as a confirmatory test. So far the results are vague as even the PCR was not done in all cases according to the case definition.