

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

Abiodun Egwuenu¹

¹ Nigeria Centre for Disease Control

Potential competing interests: No potential competing interests to declare.

Overall, a well written document. However major revisions are needed.

Change "Over the years, the majority of the population has been youthful, with an age dependency at 80.2%" to "Over the years, the majority of the population has been youthful, with an age dependency ratio of 80.2%"

I am not sure this information - "The main cash crops are cocoa, maize, cassava, rice, yam, and various vegetables, notable amongst them being '*nkontomire*', tomatoes, pepper, and okra. There are infrastructures and amenities such as Government and Private Schools (nursery, primary, Junior high, secondary, and tertiary), Post office, Churches, Mosques, Health directorate, Municipal assembly, markets, shops, and offices. The most common house type is the compound house, followed by separate house, semi-detached house, huts/buildings (same compound), and flat/apartment" is needed.

Under the sampling method, what is "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". Census means you interviewed all the residents. Is that what you did? What is the actual population of Jasikan municipality? If a census was conducted, then there was no need to sample.

From this phrase "it was found that the majority of the respondents, representing 64%, were new cases. A new case is a patient with no previous history or treatment for Buruli ulcer", it means you can calculate the incidence of Buruli.

The calculation "Calculation of Buruli ulcer prevalence

The period prevalence = $56/73,263 \times 10,000$

= 0.000764 per 10,000 population

= 8.0 per 10,000 population" should be in your methods. Write the prevalence as a prose.

This phrase "The determined prevalence was slightly higher than the prevalence determined by the Jasikan Municipality Health Directorate at the time of the study." is not clear.

You need a paragraph on why this study is important.

