Reviewer’s report

Title: Descriptive epidemiology of cholera outbreak in Nigeria, January-November, 2018: Implications for the Global Roadmap Strategy

Version: 0 Date: 19 Jul 2019

Reviewer: Asrat Genet Amnie

Reviewer's report:

I commend the authors for their study of Cholera Epidemic in Nigeria. However, the manuscript needs a major review on multiple levels.

-The background needs to be expanded to provide historical, social, epidemiological, and environmental trends in the prevention and control of cholera and any advances (the use/effectiveness of vaccines) in the control and prevention of cholera in Nigeria or at the global level.

-Research Methods, sampling and Statistical Analysis: What is the purpose and the goal of the study? What parameters qualify this report as a well-designed study? What is/are the research question(s)?

-What is presented as statistical analysis does not measure upto acceptable standards. For example, the use of a PRISMA(Preferred Reporting Items for Systematic Reviews and Meta-Analyses) flow diagram tool used in Systematic Reviews and Meta-Analysis studies has no place in retrospective studies such as used in this study (see page 5 of the manuscript). The final sample size after data cleaning should be used, the flow diagram does not add any value.

-The results need to describe any novel approaches used in the investigation of the epidemic; or provide evidence that expands our understanding on best experiences and best practices in the control and prevention of cholera epidemic in Nigeria. The results lack any inferential evidence generated as a result of the statistical analysis. This manuscript is more of a routine activity report of a cholera epidemic and control efforts in Nigeria rather than a scientific research.

-The study does not expand our understanding of cholera epidemic and control; nor provide any new evidence that could be used in strategic public health interventions or influence public health policy or decision making.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No
Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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