

Review Form 3

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| Journal Name: | International Journal of TROPICAL DISEASE & Health |
| Manuscript Number: | Ms_IJTDH_120782 |
| Title of the Manuscript: | AWARENESS OF ZIKA VIRUS DISEASE EFFECTS ON CHILDREN, AND ATTITUDE TOWARDS INFECTED UNBORN BABIES, AMONG CAREGIVERS THAT VISIT IMMUNIZATION CLINIC OF A TEACHING HOSPITAL, ENUGU, NIGERIA |
| Type of the Article | Original Research Article |

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PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| <p>Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.</p> | <p>The study, through a cross-sectional design, seeks to provide evidence on the level of awareness on the effects of Zika Virus Disease in children, and the attitude of female caregivers towards infected unborn babies. It goes further to assess variations this awareness and attitude across different education levels and different age groups.</p> <p>The study is of value to the scientific community, as the disease remains a significant public health issue, with paucity of evidence in low and middle income countries, where there is limited capacity for routine surveillance, case detection and reporting. It further provides an opportunity for implementing targeted interventions within the study setting.</p> | |
| <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | <p>The author's title for the manuscript sufficiently identifies the population of interest as caregivers who visit the immunization clinic at a teaching hospital in Enugu and sufficiently provides information on the outcomes of interest as level of awareness on Zika Virus Disease effects in children and attitude towards infected unborn babies. The title is suitable.</p> <p>However, the author should consider including information on the study design. It is also evident that only female caregivers were included in the study, which the author should consider specifying in the title.</p> | |
| <p>Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.</p> | <p>The author's abstract captures all relevant sections, providing information on the aim of the study, design, location, methodology, results and conclusion.</p> <p>However, the methodology, while descriptive of the general approach used, is not comprehensive. The sampling strategy used is not explicitly stated, the author mentions the caregivers were randomly selected, but it's unclear how this was done, more information should be provided. Further, the author should consider providing more information on the scoring approach that was used for both awareness and attitude.</p> | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | <p>The author's presentation of the sub-sections and structure of the manuscript are appropriate.</p> | |
| <p>Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.</p> | <p>The author presents a cross-sectional study, based on a population of caregivers attending a hospital immunization clinic, with an aim of assessing the concepts of awareness and attitude. However, no description is given of the tools used to assess these concepts among the participants, hence the validity of the questionnaires and conclusions drawn is unclear. The author should give a detailed description of the questionnaires, with information on the questionnaire elements, the scoring method used, the construct and concurrence validity, where available, and any other key measures. Such information would guide the reader as to the questionnaire's suitability in assessing the concepts intended.</p> <p>The author reports the inclusion of 256 participants for the study, randomly selected from the clinic attendees. However, no description is given on the sample size estimation, with this being mentioned as a limitation in the study. The author should have determined the specific sample size based on any previously published study that assessed related concepts, the desired level of power, desired level of confidence and the total population of caregivers who attend the immunization clinic at the chosen hospital over the period of interest. In the absence of such information, it is most likely that a non-probabilistic convenience sampling strategy was used, and not a probabilistic random sample, and the author should consider altering the section to reflect this.</p> | |

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| Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. | The author's references are sufficient and recent. However, the author should rectify errors on the citation format used, and use one format across all reference sources | |
| <u>Minor</u> REVISION comments Is language/English quality of the article suitable for scholarly communications? | The author's English is suitable for scholarly communication. However, minor grammatical errors should be corrected across several sections of the manuscript, including: title, results and discussion. | |
| <u>Optional/General</u> comments | The authors should address concerns related to the study methodology, as previously described. | |

PART 2:

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
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| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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|----------------------------------|------------------------------|
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| Department, University & Country | Kenya |