

## Review Form 1.7

Journal Name:	<b>International Journal of TROPICAL DISEASE &amp; Health</b>
Manuscript Number:	<b>Ms_IJTDH_111621</b>
Title of the Manuscript:	<b>Regional variation in Chikungunya viral infection prevalence in Meghalaya- Astudy from tertiary teaching center from North east India</b>
Type of the Article	

### PART 1: Review Comments

	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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>Alike Dengue, Chikungunya is a mosquito-borne communicable disease and causes serious debility and also death. Detection of Chikungunya and reporting through scientific communication is an appropriate method to disseminate the knowledge, acquired through research. The title is okay. There should be a gap between 'a' and 'study'. There're other typos as well, which are to be corrected.</p> <p>Study design: authors must mention the type of research undertaken.</p> <p>Appropriate</p> <p>It is a report of Chikungunya prevalence in Meghalaya. It should be more elaborative in its result section with some data analytics. Authors must also bring AI/ML-based surveillance to be consistent with current trend of interdisciplinary research.</p> <p>In this regard, the following articles should be cited:</p> <ol style="list-style-type: none"> <li>1. <b>Chattopadhyay, S.</b> (2023). Early Apprehension of Milder but Risky Dengue Cases: Clinical Uncertainty Modeling through Deep Learning. TechRxiv. Preprint. <a href="https://doi.org/10.36227/techrxiv.23823837.v1">https://doi.org/10.36227/techrxiv.23823837.v1</a></li> <li>2. <b>Chattopadhyay S.;</b> Chattopadhyay, A. K.; Aifantis, A. C. "Predicting CaseFatality of Dengue Epidemic: Statistical Machine Learning Towards a Virtual Doctor". <i>Journal of Nanotechnology in Diagnosis and Treatment</i> (2021), 7:10-24. DOI: <a href="http://dx.doi.org/10.12974/2311-8792.2021.07.2">http://dx.doi.org/10.12974/2311-8792.2021.07.2</a></li> <li>3. Chattopadhyay, A. K.; <b>Chattopadhyay S.</b> "VIRDOCD: A VIRtual DOctor to Predict Dengue Fatality", <i>Expert Systems</i> (2021), 2021 (e12796): 1-17. <a href="https://doi.org/10.1111/exsy.12796">https://doi.org/10.1111/exsy.12796</a></li> </ol>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	Yes	
<p><b>Optional/General</b> comments</p>	Result section should be elaborated with some statistics, charts, and plots where necessary and Surveillance methods need to be incorporated.	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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