Reviewer’s report

Title: Time Series Non-Gaussian Bayesian Bivariate Model Applied to Data on HMPV and RSV: A Case of Dadaab in Kenya

Version: 0 Date: 03 Sep 2018

Reviewer: Yanmin Zhu

Reviewer’s report:

The authors examined an interesting topic on the relationship between RSV and HMPV while adjusting for climatic factors. However, I think this article requires extensive editing.

1. The Background section includes a mixture of literature on RSV and HMPV. I could not follow the logical of the existing evidence that the authors presented, nor could I identify the gap in literature and the importance of conducting this study.

2. The authors started the Methods section with statistical modeling. Indeed, a lot of details are provided on how the modeling for this study and it seems that the authors had careful thinking about model building and selection. However, some of the information may be redundant and the readers could be easily lost in terms of the study design and the data used, which I believe are equally important as statistical modeling.

3. They also combined the Results and Discussion, which would be better to be two separate sections. This combined section is also very confusing to read. The authors again discussed about how they selected the best model but with very limited interpretation of the results from a clinical and public health perspective.

In summary, I think this paper needs major revision to be possible for the readers to understand their study better.

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.

Unable to assess

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

Unable to assess
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:

Not suitable for publication unless extensively edited

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