Reviewer's report

Title: Zika virus disease, microcephaly and Guillain-Barré syndrome in Colombia: epidemiological situation during 21 months of the Zika virus outbreak, 2015-2017

Version: 1 Date: 11 Aug 2017

Reviewer: T Papadopoulos

Reviewer's report:

I would like to thank the authors for all this amount of work. Thank you also for addressing correctly the comments I suggested. The revised manuscript has been improved and I would also like to thank the other two reviewers for putting all this effort.

Conclusion: I believe that it's a valuable manuscript and should be considered for publication in "Archives of Public Health".

General comments

I would suggest that manuscript should be edited for language.

The abstract is still 375 words (more than 350) is it an issue?

I think that the authors in the effort to address all the reviewer's comments made the structure of the manuscript a bit fuzzy.

As I mentioned before it's rather difficult for the inexperienced reader of this journal to understand the value of performing "kernel ridge regression" approach to predict the number of Guillain-Barre cases given the number of ZVD cases. The authors tried to simplify it but I really find it difficult to follow. I suppose there are readers that are more familiar and will find it interesting.

Minor (optional) comments

Lines 980-984 may be part of the discussion? Do you need to explain here why you used kernel trick in methods?
Lines 1047-1048: Please indicate in the table that ARs are per 100,000 population

Line 1051: "areas with high concentration of cases" may be it would be more clear if you define the term "high concentration"

**Level of interest**
Please indicate how interesting you found the manuscript:

An article of importance in its field

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

Needs some language corrections before being published

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