Reviewer’s report

Title: Predicting Risk of Avian Influenza A(H5N1) in Egypt: The Creation of a Community Level Metric

Version: 1 Date: 30 Oct 2017

Reviewer: I. ElMasry

Reviewer's report:

1. The authors in the entire manuscript have refereed to H5N1 highly pathogenic avian influenza virus by different ways such as: avian influenza A(H5N1), A(H5N1) and HPAI(H5N1). Seeking more clarity, it would be better to use one way only to refer to the virus.

2. Page 2, lines 18 & 19 and page 4 lines 67 & 68: the authors have mentioned (... dramatic increase in the number of outbreaks since December 2014). In this context, I am asking the authors to check the WHO reports, and rephrase the sentence in a way clarifying that the dramatic increase was in the number of human cases since December 2014 to March 2015.

3. Page 7, line 147: the authors considered the percentage of households keeping poultry and the number of reported A(H5N1) outbreaks in back yard poultry flocks as a tool for governorate selection. Please specify how you have collected this information?

4. Page 12, line 251 and 252: Please clarify how the respondents differentiate between H5N1 HPAI and other fatal poultry diseases.

5. In the Method and in Results section "Page 17": the authors have to clarify what is meant by reported A(H5N1) outbreaks? is it laboratory confirmed cases or self reporting or both?

6. Page 17, line 381: please specify the name of the statistical test that revealed no significant difference among the groups.

7. Page 19, lines 405 & 406: please specify the name of the statistical test that revealed no significant difference between the groups.

8. In the results section, the authors have used the mean value of the reported outbreaks and median value for CRI scores in the analysis, but didn't refer to this in the method section. Please make sure that all the tools used in the results are described in the method section.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.
Yes

Does the work include the necessary controls?
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Unable to assess

Are the conclusions drawn adequately supported by the data shown?
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