Reviewer's report

Title: Measles Outbreak in an Office Building in the Crowded Metropolis of Beijing, China

Version: 0 Date: 30 Apr 2019

Reviewer: Fabio Magurano

Reviewer's report:

Major:

Table 1: it is very confusing; it doesn't report the numbers mentioned in the text. Tables should be clear so the reader can easily find correspondence with the text. For a better understanding the Table 1 could be splitted in two tables.
Please control the number of migrants.

Table 2: as mentioned before, the number of RT-PCR positive samples doesn't correspond with the text.

Table 3: it reports data about receipt of MCR that are not mentioned in the text. Please explain.

Figure 1: according to the figure, the last measles case is on March 30 but in the text is reported March 28.

The authors identify genotype H1 as responsible for the outbreak but didn't report any data about the sequences identified. Phylogenetic analysis would be desirable.

Minor:

ABSTRACT
Line 13 : except for its commercial center...

BACKGROUND
Line 16 : " incidence has reduced from 210,6 per million in 2005 to 58,1 per million". please specify When.
Page 4 line3 : The authors should better clarify this sentence "..it is very common that residents' workplaces and residence are not in the same district".

LABORATORY TESTING
Line 14 : 5 days from rash

RESULTS
Line 14 : it has more sense: However he continued going to work at his company's office not only before his hospitalization, but also after March 7 and 8.

Page 7 line 2-3 : the cases are confirmed

CHARACTERISTIC OF MEASLES CASES
Page 8 line 6 : after (Table 1). They resided…. who are they? 43 people? specify the authors say that 30 (69,8%) were migrants, but in tab. 1 under migrant column there are yes 13 (30.2%) and no 30 (69,8%). these numbers don't fit with the text.

LABORATORY RESULTS
page 8 line 21: or 4-28 days after rash onset…

line 22: "thirty-four of 42 cases (81,0%) were RT-PCR positive", but in tab.2 there are 35 RT-PCR positive and 8 RT-PCR negative, total 43 and not 42?
Line 22: within 5 days from rash.
Page 9 line 7: in sera
Page 11 line 1: "Active searching and case management" is a title, should be in bold.
Page 11 line 8: Post-exposure vaccination (the same in bold) and should recall Table 3.
Page 11 line 15: Other (in bold)

DISCUSSION

Page 13 line 8: the authors should explain which type of measles vaccine is used for vaccination campaign.

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?
If not, please specify which controls are required in your comments to the authors.

Yes

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

No

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 am able to assess the statistics

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Please indicate the quality of language in the manuscript:

Needs some language corrections before being published
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