Reviewer's report

Title: Knowledge, attitudes and practices of parents on the use of antibiotics for children in rural China: a cross-sectional study

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Reviewer: Angela Chow

Reviewer's report:

This is a nice study providing pertinent information on an important public health issue.

I have some suggestions for the authors' consideration:

Methods

1. Lines 113-114: The score was subsequently dichotomised using 8 as the cut-off, and the dichotomised variable used as the outcome for simple and multiple logistic regressions. This should be mentioned in this section rather than in Results section (lines 149-152)

2. Line 116: It was mentioned that "Continuous variables were reported with median and interquartile range...". However, interquartile ranges were not reported in the manuscript. Perhaps, the authors would like to consider removing this?

Results

3. Lines 153-154 - "Parents’ education status was the only factor significantly associated with the better awareness of antibiotic knowledge in multiple logistic regression analysis (Table 3)."

- Think would be good to highlight the observation that there is a dose-response with increasing educational level.

4. Interaction between parents and physicians (Line 168-187).

These paragraphs provide important information that could guide interventions to improve antibiotic use. However, the data is not displayed. Can the authors present a table on the main findings please?

5. Line 183 - "Most parents (82%, CI, 80%-85%) reported that..." what is the purpose of presenting the 95% CI in this statement?

6. Lines 203-209

- For the ORs presented here, think it's important to present the adj OR and 95% CI.
- And, to mention that these are factors independently associated with
self-medication of children, after adjusting for potential confounding.

**Level of interest:** An article of importance in its field

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** No, the manuscript does not need to be seen by a statistician.