Reviewer's report

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

Version: 1 Date: 17 December 2013

Reviewer: Christine B Teng

Reviewer's report:

Yu et al. studied the parents' perceptions of antibiotic use, their interactions with physicians for treatment with antibiotics, and factors associated with their behaviors of self-medicating children with antibiotics in Jiangxi Province in middle China. The study provided some insights on areas of misconception and misuse of antibiotic use which may be useful in formulating antibiotic public education programs in China.

- Major Compulsory Revisions

1. The title referred to "rural china". Please clarify on this since the study consisted of parents from rural villages and central towns.

2. Methods (Para 1): Please clarify the time period of the study.

3. Methods (Para 2): Regarding survey subject recruitment, please provide more details on how the survey participants were enrolled including total number of parents invited and the eventual response rate.

4. Statistics: Please provide more details on construction of the multiple logistic regression models and how the best model was chosen.

5. Results (Para 4): Please clarify which were the groups being compared (30% vs 11%).

6. Table 2: The column on "answer" can be very confusing for the readers. The table should be constructed as numbers and percentage of respondents who agree with the questions ie all answers as "Yes" as was presented in Table 4.

7. Table 3 and 5: Please provide confidence interval for "College or above"

8. Discussion: Please comment on the generalizability of the study results. Would there be any possibility of selection bias.

9. Discussion: Please address the concern that since this was a self-administered questionnaire, how could the investigators be certain that respondents were able to fully understand the questionnaire content? Would there be a possibility that respondents had mistaken other medications for antibiotics.

10. Discussion: Please provide some insights on how results in this study compares to other studies conducted in China.

11. Discussion (Limitations): Please discuss on the external validity of current
study.

12. Discussion (Limitations): Please address how the investigators can be certain that respondents understood the questionnaires and knew that they were referring to antibiotics.

- Minor Essential Revisions

There were many grammatical errors in the manuscript, the authors should review and revise the manuscript carefully.

**Level of interest:** An article of limited interest

**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.

**Declaration of competing interests:**

I declare that I have no competing interests.