Reviewer’s report

Title: Compliance with the current recommendations for prescribing antibiotics for paediatric community-acquired pneumonia is improving: data from a prospective study in a French network.

Version: 0 Date: 17 Mar 2016

Reviewer: Jimmy Efird

Reviewer’s report:

Over all this is an important topic and the authors have done an excellent job with this manuscript.

However, I do have some minor statistical concerns that need to be addressed prior to publication.

1) How missing missing values were in the dataset and how did the authors handle the missing values in their analysis (e.g., deletion, multiple imputation, EM algorithm).

2) Since data were collected prospectively, negative binomial regress should be used rather than logistic regression. Adjusted logistic regression estimates are prone to collapsibility bias when the outcome is not rare and also tend to overestimate relative risk. Please re-run the analysis using negative binomial regression.

3) In tables, age is categorized as <1 vs >1 year. What about equal to 1 year (e.g., need to specify "<=" or ">=").

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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

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

Acceptable

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