Reviewer’s report

Title: Rates and Risk Factors Associated with Hospitalization for Pneumonia with ICU Admission among Adults

Version: 0 Date: 30 Aug 2017

Reviewer: Aykut Cilli

Reviewer’s report:

Although there are several limitations-some of those reported by the authors-, this large study has the potential to reflect the burden of pneumonia to the US healthcare system. Here are some comments about the paper:

1. HAP, VAP, CAP, HCAP and influenza infections can not be differentiated in this cohort. It’s possible that hospitalization rates might be overestimated in this study.

2. Adult population aged≥18 yrs included in this study as the authors stated in the article, but why did pediatric ICU admissions were involved? Do some of the pediatric ICUs also accept adult patients?

3. The term of "severe pneumonia" cannot be used in this study.

4. Pneumonia definition is missing in method section.

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.

No

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

Yes

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 recommend additional statistical review

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

Acceptable

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