Reviewer’s report

Title: Mortality Estimates among Adult Patients with Severe Acute Respiratory Infections from two Sentinel Hospitals in Southern Arizona, United States, 2010-2014

Version: 0 Date: 12 Jul 2017

Reviewer: Shetty Ravi Dyavar

Reviewer's report:

In this manuscript titled, "Mortality among adult patients hospitalized with severe acute respiratory infections in southern Arizona (2010 to 2014)", Barnes et al linked surveillance data from two sentinel hospitals with death certificates and generated mortality estimates among severe acute respiratory infections (SARI) patients and identified admission to ICU and age >65 years old is important factors that significantly associated with SARI mortality.

Major Points:

1) In Table 1, the authors performed statistical analysis on various factors associated with SARI and notice median age of >65 years old and admission to intensive care unit were considered as major factors associated with mortality among SARI patients. However, authors should also consider the patients with multiple infections (>2 or >3 infections) and test association with SARI mortality.

2) The authors may need to also consider complete blood counts and micronutrient analysis in blood samples collected from patients to find if there are any factors associated directly with mortality.

Minor Points:

1) The authors should correct language errors in several parts of the manuscript.

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.

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 am able to assess the statistics

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

Needs some language corrections before being published

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