Reviewers report

Title: Canadian in-hospital mortality for patients with emergency-sensitive conditions: a retrospective cohort study

Version: 0 Date: 09 Jul 2019

Reviewer: Romain Jouffroy

Reviewers report:

Thank you for allowing me to review this interesting paper concerning the Canadian in-hospital mortality for patients with emergency-sensitive conditions: a retrospective cohort study.

The text is well written and describe disparities between Canada areas for interhospital and interprovincial mortality trends for patients admitted with emergency-sensitive conditions.

I have few suggestions on the form and on the background.

I hope my comments will be helpful to improve the quality of your manuscript.

Form

- Abstract: please define ED at first occurrence

- Page 11 line 55: I suggest to replace "The ED-HSMR could be used to measure and improve the performance of" by "The ED-HSMR could be used to measure and to assess the improvement of the performance of...."

- Methods: please define the type of logistic regression, with fix or random effect

- Results: please provide the results and the covariables included in the model. Please present the results of the model fit according to the data.

Background

Do the authors take into account in the logistic regression models, the potential variable impact of the center size? In other word, does the model used only fixed effect? Because, as the authors underlined in the discussion, small hospitals represent the majority (58%) of all hospitals and this can affect the results of the logistic regression.
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:
Acceptable

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