Reviewer's report

Title: Functionality of Hospital Information Systems: Results from a Survey of Quality Directors at Turkish Hospitals

Version: 0 Date: 29 May 2017

Reviewer: Suman Kundu

Reviewer's report:

This is an important study determining the availability of key components of hospital information system aiming for patient's quality and safely. I have few suggestions which might be worth considering:

1. My biggest concern is the presentation of the data which can be improved for better readability. Specifically:
   
   i) Because "availability" of the HIS function is 3-level categorical variable and "perceived" is 9-level categorical variable, it is not clear what is the meaning of mean (SD) of those variables. Percentage (%) is commonly reported for categorical variable.
   
   ii) Please report the total number of participants. Because 464 hospitals were finally selected in this study, it is not clear how the participants were distributed among those 464 hospitals.

   iii) Page 11 line 30-38: Please indicate the data in Table 2 supporting the claim.

   iv) Page 11 line 48: how a range can be 7.13 (SD 2.25)?

   v) Page 11 line 50-53: please explain what you mean by: "Availability of HIS functions, averaged across all 50 items and across all hospitals, was 65.6% (SD 20.0),…". Each of the "availability" function is a 3 levels categorical variable.

   vi) Page 12 line 10: which correlation coefficient was used, Spearman's rank-order or Pearson? Again, "availability" has 3-levels, and "perceived" has 9-levels.

   vii) Explain the meaning of 9 different levels of "perceived effect" variables.

2. Use abbreviation when it is used for the first time. Example, HIT

3. The length of the discussion section can be reduced.

4. The clinical implication of this study seems not well described specifically how the results of this study might be implemented.
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

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Please indicate the quality of language in the manuscript:

Acceptable

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