Reviewer’s report

Title: Combining information from a clinical data warehouse and a pharmaceutical database to generate a framework to detect comorbidities in electronic health records

Version: 1 Date: 11 Sep 2017

Reviewer: Simon Poon

Reviewer's report:

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Please overwrite this text when adding your comments to the authors.

I thank the authors for addressing the comments from our earlier review. I find the responses are reasonable and provided sufficient details to evaluate the manuscript.

I only have 2 more further comments:

1. The efficacy of the research results rely heavily on the quality of the data sets and experts. Authors have provide additional confidence for the validity of the data.

2. The title of the manuscript suggested "... an algorithm to detect comorbidities ...", I my opinion "framework" of integration of different data sources may be a more appropriate term than computation "algorithm".

Would it be possible to show some measure of quality of the suggested comorbidities from the enriched Theriaque database, e.g. the matched ones compared to the non-matched ones.

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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