Reviewer’s report

Title: Item response models for the longitudinal analysis of health-related quality of life in cancer clinical trials

Version: 0 Date: 16 Mar 2017

Reviewer: Sunita Ghosh

Reviewer's report:

The paper titled "Item response model for the longitudinal analysis of health-related quality of life in cancer clinical trials" is very interesting to read and an important topic indeed specially for the Oncology trials. However, having said that the introduction or the background of the paper was very lengthy. My recommendation would be make the background short. The method section describes the three structure of the model used in the paper, I was a bit confused with the flow of methods as described. Since this is a methodology paper, the simulation codes used in the paper should be accessible to the readers to reproduce such kind of simulation data.

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

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I am able to assess the statistics

Quality of written English
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