Reviewer’s report

Title: Costs of potentially inappropriate medication use in residential aged care facilities

Version: 0 Date: 25 Aug 2017

Reviewer: Nicole Brandt

Reviewer's report:

This is a well written manuscript that asks an important question about the costs of potentially inappropriate medications. The major methodological flaw that is concerning to me as an author of the AGS 2012 and 2015 Beers Criteria is the over interpretation of the antidepressant list. This medication class was the most prevalent in terms of use which was most likely due to the extension of adding SNRIs and SSRIs. These agents are mentioned in the 2015 Beers criteria under the sections: Falls/Fractures (SSRIs) and Caution/SIADH (SNRIs/SSRIs). Paroxetine is the only SSRI included in the PIM table under antidepressants due its anticholinergic activity. By extending the list this would have increased the PIM costs.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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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Yes- I have received a small stipend from the American Geriatrics Society for being an author/contributor for the 2012 and 2015 Beers Criteria.

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