Reviewer’s report

Title: Trends in hospital admissions due to antidepressant-related adverse drug events from 2001 to 2011 in the U.S.

Version: 0 Date: 14 Mar 2016

Reviewer: Monica Zolezzi

Reviewer's report:

This is a well-written manuscript for an interesting research that is of clinical value to those practicing in mental health. Overall, I think the research methods used and the results obtain area adequate. I have provided various recommended edits mainly to improve the readability of the manuscript, please read all the sticky notes embedded throughout the attached revised article, some of which are summarized below:

Page 3: I recommend to remove the last sentence in the conclusions section of the abstract, this is best included under the overall discussion of the findings and possible future research implications.

Page 5: The section on Identification of ArADE-caused admissions needs attention. The definition for ADEs is slightly different that the one provided in the Introduction, which needs clarification.

Page 6: There are sections in the results that should have been included in the methods section. I have highlighted these within the attached revised manuscript and provided recommendations in the embedded sticky notes.

Pages 8 and 9: To simplify some of the findings and reporting them in the Results section, I suggest reporting only the findings that were statistically significant and referring the readers to the tables for more information on the rest of the data that did not show significant differences in the two periods compared.

Page 9: Under discussion. I recommend to delete the first sentence, this could be used later to explain some of the findings.

Page 13: Under conclusion. I recommend to delete the last sentence. I think the suggestion of using pharmacist-led med rec/reviews/counseling/follow up is of value, but such a statement should not be introduced in the conclusion without first having been at least proposed and discussed somewhere else in the manuscript. I suggest to add a short paragraph in the discussion section, when talking about future research, or suggesting actions needed to address the increased burden associated with ArADEs as found in this research, and even mention other studies in which pharmacist-led programs have shown to have an impact in reducing over ADEs could be included here.
There are some inconsistencies on how detailed are the legends of the tables, I recommend that the legends for all the tables should be consistent, and use the same abbreviations and icons to explain the results summarized in the tables to avoid confusion.

**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 recommend additional statistical review

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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