Reviewer’s report

Title: Monitoring patients on chronic treatment with antidepressants between 2003 and 2011: Analysis of factors associated with compliance

Version: 0 Date: 06 Sep 2015

Reviewer: Jutta Lindert

Reviewer’s report:

Abstract
Absolute numbers are helpful. Please provide details for men and women separately.

Introduction
The introduction could be improved:

- Please define "industrialized countries"

- Maybe you can update your information about DALYS associated with depression and anxiety?

- Clinical practice guidelines differ between countries. Do you refer to Spain? Are further clinical guidelines available?

- What are the potential side effects for treating depression with antidepressants? Can you distinguish between men and women?

- Might it be possible to mention limitations of using registry data to answer the question of medication adherence?

Methods

- Is it possible to describe the sociodemographic variable sof the cohort?

- Might it be possible to explain why this definition of compliance with treatment was chosen? Do you have any information about psychotherapy use?

Results

Please describe the gender distribution of the sample. Please describe similarities and differences in sociodemographic variables compared to the general population in Lleida. Do you refer to "sex" or to "gender"?
Is there any possibility to investigate the association between seriousness of depression and adherence to medication?

Can you please describe age difference in adherence?

I would be very much interested to know more about the funding schemes in Spain. This might be of critical interest for readers who are not familiar with the Spanish funding systems.

Overall comments

Please provide not only percentages but absolute numbers as well. Please report always gender specific and of possible age specific rates and numbers.

The limitations section needs a description of the methodological limitations of this kind of studies based on routine data. The discussion could be shortened but the methodological constrints would need clear information.

**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.

Unable to assess

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

No

**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:

Needs some language corrections before being published

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