Author’s response to reviews

Title: Trajectories of antidepressant medication use in individuals before and after being granted disability pension due to common mental disorders- a nationwide register-based study

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Version: 2 Date: 26 Jan 2018

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Authors’ responses to editor’s comments:

Manuscript ID: BPSY-D-17-00427.R1

Title: Trajectories of antidepressant medication in individuals before and after being granted disability pension due to common mental disorders- a nationwide register based study.

We apologize for not being detailed and appreciate that the editor has taken time and pointed out the issues regarding declarations. We have incorporated the suggestions in the revised manuscript accordingly.

Our point-by-point responses to the editor’s comments and suggestions follow below.

Kind regards,

Syed Rahman, PhD, MD
Karolinska Institutet
1. We note that in your Methods section you have indicated that 5 nationwide registries have been included for the data used in the research presented in your manuscript. However, only 3 have been listed. Please verify the correct number of nationwide registries and amend the Methods section where appropriate.

Authors’ response: Thank you for noticing this. We listed the registers according to the holding authority. As there were 3 registered held by the National Board of Health and Welfare, so we included them under point 2 with sub-points i), ii) and iii). We have now deleted the word five (page 6 line 110) to eliminate any confusion. Below is the list of the registers used:

- Longitudinal integration database for health insurance and labour market studies (LISA) (Held by Statistic Sweden)

- National patient register - Drug register - Cause of death register (Held by the National Board of Health and Welfare)

- Micro-data for analyses of social insurance (MiDAS) (Held by the National Social Insurance Agency)

2. Thank you for including information about your ethics approval and consent to participate. If consent was not required, please include a statement on whether the need for consent was waived by an IRB or if national guidelines have established that studies such as this don't require consent.

Authors’ response: We have now written in detail regarding ethics approval and consent to participate (page 25 lines 595-603).

3. Please confirm whether the databases accessed and used in your study are public databases or whether permission was required for accessing them. If permission was obtained, please clearly state this in your manuscript, including the name of the entity by whom permission was granted.

Authors’ response: Thank you for your query. The data are not public, due to their sensitive nature. The data we used were obtained from registers kept by the following governmental authorities: Statistic Sweden (Longitudinal integration database for health insurance and labour market studies (LISA)), the National Board of Health and Welfare (National patient register,
Drug register, Cause of death register), and the National Social Insurance Agency (Micro-data for analyses of social insurance (MiDAS)). For obtaining these very sensitive type of data, permissions are always required, both from the Regional Ethical Review Board and from each of the specific authorities. Moreover, we only obtained anonymised data. The names of the respective authorities are now given in pages 6-7, lines 113, 118 and 120 in the revised manuscript.

4. Please amend your Availability of data and materials statement so that it includes the full, unabbreviated name of the privacy act which prohibits the sharing on your raw data.

Authors’ response: We have now added additional information on availability of data and material (pages 25 lines 605-610).

5. Thank you for stating you have no competing interests. Instead of “none”, please state "The authors declare that they have no competing interests" in this section.

Authors’ response: We have now changed the phrasing (page 26 line 611).

6. Please note that all authors should be named by using their initials rather than full names in the Authors’ contributions section. For example, author Syed Rahman should be represented as SR in this section.

Authors’ response: We have now changed to initials of the authors instead of full names (page 26 lines 616-621).

7. Please remove any figure titles and captions from the figure files as these files should contain the image graphics only. Upon doing this, please place the titles/captions at the end of the main manuscript after the References.

Authors’ response: Title and captions are removed from the figure and added at the end of the manuscript (page 24 lines 572-575).
8. Please ensure that when you upload your revised submission that it is in the final form for publication. Please remove any tracked changes or highlighting and include only a single clean copy of the manuscript.

Authors’ response: Thank you and the clean copy is uploaded now.