Reviewer’s report

Title: Pain sensitivity and analgesic use among 10,486 adults: The Tromsø Study

Version: 1 Date: 21 Feb 2017

Reviewer: Wissam Faour

Reviewer’s report:

The authors assessed the use of pain medication within the general population which an important since improper use of pain medication continue to be a major health concern associated with deleterious side effects..

1) The authors need to explain how the questionnaire is administered. Is it self-administered and filled privately by each participant or face-to-face interview.

2) There was wide age variability in the studied population. How the authors assessed the effect on elderly knowing that in general elderly have at certain level impaired pain sensation which might affect analgesic use, and used only in severe pain.

3) No data or discussion are presented about participants with chronic disease associated with pain (migraine, Rheumatoid arthritis,…) which can affect the results. Also, other diseases (diabetic neuropathy,…) are associated with reduced pain sensation. The authors need to comment on that.

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.

Yes
I recommend additional statistical review

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

Acceptable

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