Reviewer’s report

Title: Bicycle crashes and sickness absence - A population-based Swedish register study of all individuals of working ages

Version: 0 Date: 03 Dec 2018

Reviewer: Jake Olivier

Reviewer's report:

This was an interesting paper on factors associated with sickness absence or disability pension and bicycle injuries in Sweden. I particularly thought it interesting that the vast majority of injuries were due to single-bicycle crashes and that TBI/non-concussion had much higher odds of having a new SA compared to concussions. There seems to be a lack of understanding in the literature that most injurious bicycle crashes do not involve another vehicle and that TBI is perhaps a more important concern than concussion (at least the less serious forms of concussion).

Specific comments:

Line 64: Should it be "colleagues"?

Line 74: "where" instead of were?

Lines 122,124: Should these be of the form V19.3?

Line 131: Could some discussion be given for how the main injury diagnosis was determined? Not all databases have a main or primary diagnosis field.

Line 150: Not sure what "with larger groups alternatively groups expected" means.

Does "spell" refer to a pre-existing condition or event? I found the use of this word confusing. Please replace.
Line 180: Should it be "first days" after injury?

Line 196: If listing models by number, perhaps they should be for models 1-3 as well?

Line 197-198: Is this a sensitivity analysis? It would be good to identify it, if so.

Results on page 11: What does "OR..." RESPECTIVE "OR..." mean? Is it meant to be "compared to"?

**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.

Not relevant to this manuscript

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

Needs some language corrections before being published

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