Reviewer's report

Title: Prevalence and Factors associated with Road Traffic Incident among Adolescents and Children in the Hospitals of Amhara National Regional State, Ethiopia

Version: 2 Date: 10 Sep 2018

Reviewer: Reviewer 2

Reviewer's report:

PEER REVIEWER COMMENTS: To view the full report from the academic peer reviewer, please see the attached file.

REVIEWER COMMENTS FROM REPORT: A study of pediatric cases presenting to hospitals of the Amhara region of Ethiopia. Describes prevalence of pediatric road traffic injury cases in selected sample and associated factors. Provides an overview of the importance of the issue and fills a regional data gap.

REQUESTED REVISIONS: Abstract: How were 830 patients selected? Unclear in abstract text… were all pediatric RTA cases selected or were they randomly selected? Were all hospitals in the region included? Confusing use of prevalence in results section… is this the % of selected peds cases at study hospitals that involved an RTA? (Although some of these are answered in later in the paper, they should be made clear in the abstract).

Background: Can mention the international "make roads safe" campaign. What RTA mitigation interventions have been implemented in Ethiopia?

Methods: Confusing sentence describing patient selection criteria, were all 830 cases RTA victims or where they randomly sampled peds patients of which some were RTA patients? From the table the latter seems to be the case but the text is not clear. Were all hospitals in the region included? Need to describe random selection process of the study cases... were all days of week and all potential times of day sampled?

Discussion: Interesting to report other similar studies in other countries, but it doesn't make sense to compare the prevalence to your findings since each unique place will have its own prevalence depending on local road safety factors.

Limitation: What about cases not presenting to hospitals? Cases presenting to clinics or not presenting to a health facility should still be considered in the calculation of prevalence. Any chance that your selection process of patients skewed data (time of day, day of week, geography of hospitals study)?

ADDITIONAL REQUESTS/SUGGESTIONS: Overall the entire paper needs to be heavily edited for English language usage/clarity/grammar.
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.

No

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.

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

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

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