Reviewer’s report

Title: The influence of behavioural and socioeconomic factors on the community injury rates of adolescents assessed by the South Korean Emergency Medical Services: An ecological approach

Version: 0 Date: 22 Apr 2019

Reviewer: Xiaoyuan Zhou

Reviewer's report:

This paper was trying to explore whether the injury incidence rate of adolescents (13-15 years) would be affected by socioeconomic status and peer-group risk behaviors. I would like to recommend it because the paper aroused consideration around school bullying from another perspective in terms of gender and socioeconomic status. Injury is a very important issue in public health arena, especially for junior students. According to this paper, it was suggested the different gender and age groups should be given different strategies to prevent bulling in school in order to decrease injury incidence rate inside school.

Generally, the manuscript outlined the whole story explicitly, however, there was a question needed to be addressed. Alcohol use and school bullying were selected out to be variables of risk behaviors while education for preventing injury was considered as prevention behavior. As mentioned in the paper, Korea Youth Risk Behaviour Web-based Survey (KYBWS) included 15 domains, can the authors justify the reason for which only three domains out of 15 have an impact on injury incidence? how about the items around "mental health" and "violence"?

Moreover, KYBWS was established in 2005 while this paper conducted multiple linear regression into data of 2014. Is it possible to use temporal data to analysis the impact of variation of SES and places on injury incidence rate?

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.

Unable to assess

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.

I am able to assess the statistics

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

Acceptable

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