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: 23 Apr 2019

Reviewer: M Waller

Reviewer's report:

1. This paper needs quite a lot of English language editing to improve the readability of the article. The Discussion has less of these 'English' issues, so I recommend this editing focus on the Introduction, Methods and Results sections.

2. Abstract Conclusions and Discussion Conclusions: In this section be clear about the direction of effect. State whether injury occurrence was higher or lower in men, higher or lower in poorer SES location and higher or lower in a particular peer risk group.

3. Results. Page 10. I am unsure whether R-squared is the statistic that has been produced here or whether the numbers quoted are the Correlation coefficients (R). Often R-squared is produced by the linear regression model and can be interpreted as the proportion of variance explained by the model. Is this the intended statistic here, or is the text just referring to the correlation coefficients?

4. Given the authors are modelling rates, the authors need to justify why they have used linear regression (as opposed to GLMs such as Poisson regression), or alternatively change the modelling approach to a method more suitable for modelling rates.

5. Page 12: Line 247. Change "Recently, the most....' to "In other recent studies, the most...."

6. Table 1: From Table 1 there were no clear associations between any of the exposures and inside school injuries. Has this point been emphasized sufficiently in the text?

7. Figure 2: Does the numeric labeling of the regions have any meaning? Is region 1, quite different from region 43 or is this labeling 'random'?

8. Figure 2: Be consistent with legends and the use of - and _

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.

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.

I am able to assess the statistics

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

Not suitable for publication unless extensively edited

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