Reviewer’s report

Title: Estimates of Home and Leisure Injuries treated in Emergency Departments in the adult population living in metropolitan France: a model-assisted approach

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Reviewer: LEILEI DUAN

Reviewer’s report:

1. The model-assisted approach mentioned in the paper could be a good reference and example for other researchers to conduct similar studies to estimate the incidence rate of injuries in their districts where they do not grasp the whole picture of injury population.

2. In the 2nd line of the Introduction part, "Each year, a fluctuating number of volunteer hospitals in about ten French cities uses a standardized protocol to record all HLIs treated in their EDs ", might contrast with the content in the 10th line of the first paragraph, "In addition, the analysis of the hospital distribution using yearly admission statistics shows than metropolitan hospitals in the same range as the EPAC participating sample account for 70% of the total number of hospital stays recorded in France (data not shown, see Supplementary Data, figure SD3). We therefore do not think that there is any reason to suspect any major lack of representativeness in our data with regard to the ratio of HLIs to hospital stays.". The yearly number of surveillance hospitals are changing, so how do authors draw such a conclusion and confirm the representativeness of hospitals?

3. I would suggest that authors could make a comparison between the model-assisted method in this study and other published estimating methods which are used not only in developed countries but also developing countries.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests