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

Version: 1 Date: 10 October 2013

Reviewer: Juanita Haagsma

Reviewer’s report:

Thank you for sending this interesting manuscript for review. This manuscript describes a model-assisted approach to estimate the incidence rates of HLIs in adults treated in EDs in metropolitan France. Studies on estimating national injury incidence based on limited registered data have been performed before; however, this study introduces refinements in the approach. Because the methods are described very clearly and detailed, the approach could be replicated by injury researchers.

There are some limitations to the approach that is taken, which, together with strengths, are well described in the discussion section of this manuscript.

Minor essential revisions

However, I do have some questions.

1) I was wondering whether an ethical approval was necessary to perform this study and I think the authors should state this in the methods section of the paper.

2) Secondly, I would appreciate if the authors added information in the methods section on the approximate coverage is of the EPAC surveillance network in France. What is the percentage of population that is covered by this network?

3) I suggest to include the first supplementary figure (the geographical spread of EPAC hospitals in France) in the main article so the readers who are not from France have an idea of the spread at glance.

A problem is that full data for 5 years were only available for 5 hospitals and that there is no data available for patients 15 years or younger or residents in rural areas of France.

Nonetheless, I think that the authors should be commended for writing such a clear manuscript on assessing HLI incidence with limited data; a problem that is encountered by many injury researchers.

Level of interest: An article whose findings are important to those with closely related research interests

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