Reviewer’s report

Title: Temporal trends in incidence, recurrence and prevalence of stroke in an era of ageing populations. A longitudinal study of the total Swedish population.

Version: 0 Date: 02 Dec 2018

Reviewer: Keiko Murakami

Reviewer's report:

The objectives of this study were to investigate how the age specific incidence rates of recurrent strokes have developed in relation to the incidence rates of first strokes and how the postponement in age look like, and to see how the prevalence proportion of stroke as well as the absolute number of incident strokes has changed over time. Before accepting this manuscript for publication, the authors should consider the following.

1) The authors did not state the objective of this study in "Objective" of the Abstract section. (P.2, Line 3-10)

2) Why did the authors allow for a 7 year wash-out period for identification of first strokes? Please show where the figure "7 year" come from, by citing some references. (P.5, Line 36-39)

3) I think that the trends in Sweden may be somewhat different from those in other countries because standard of medical care is high in Sweden. Please mention it in brief in the Discussion section.

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.

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:

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