Reviewer’s report

Title: Long-term exposure to air pollution and ischemic stroke risk: a register-based case-control study in Southern Sweden

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Reviewer: Francesco Forastiere

Reviewer’s report:

This is a well written article on an important topic. I have no major comments just two suggestions. Since the results are non positive, the authors have a great responsibility to assure that all the important methodological aspects are covered. My suggestion is to discuss how the exclusion of out-of hospital deaths may have influenced the results. Findings from Rosenlund et al in Sweden indicates a greater risk for fatal myocardial infarction. In addition, the authors may wish to better discuss the issue regarding the non optimal representation of the study base.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I have no competing interests