Reviewer's report

Title: Smoking and primary total hip or knee replacement due to osteoarthritis in 54,288 elderly men and women

Version: 1 Date: 25 June 2013

Reviewer: Jeffrey Katz

Reviewer's report:

Minor essential revisions:

Explain the components of the SES indicator so the reader can better understand what it means and how it is derived.

Provide the interested reader with an explanation of how the competing risk regression works. Not in mathematical terms but conceptually how does the regression calculate a hazard for smoking that takes into account mortality risks?

Quality of written English: Acceptable

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

Declaration of competing interests:

I have no competing interests.