Reviewer’s report

Title: Is it possible to identify cases of coronary artery bypass graft postoperative surgical site infection accurately from claim data? A multi-model comparison study over 2005-2008

Version: 4 Date: 20 April 2014

Reviewer: Maaike SM van Mourik

Reviewer’s report:

The authors have made extensive revisions to the manuscript and greatly improved it in terms of clarity and adequacy of reporting. The results are clear and allow for a balanced interpretation. I only have two minor comments.

Minor essential revisions
- Please carefully proofread the manuscript for linguistic errors. For example, on p 8 the word ‘infection’ seems to be missing in the sentence … surgical site prior to admission… and spelling of quite vs quiet. Perhaps a proofreading by a native English speaker is useful.
- You may want to move the description of how to interpret the decision tree model to the results sections as opposed to the methods section.

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

Quality of written English: Needs some language corrections before being published

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

Declaration of competing interests:

I declare that I have no competing interests