Reviewer's report

Title: Acute and Chronic Impact of Cardiovascular Events on Health State Utilities

Version: 2 Date: 15 September 2014

Reviewer: Wen Ye

Reviewer's report:

This study estimated health state utilities representing cardiovascular conditions while distinguishing between acute impact including the cardiovascular event and the chronic post-event impact.

This paper used an interesting approach. But it does have all the caveats the authors have discussed in the conclusion section. Utility scores are heavily influenced by the description given by the interviewed doctors. Because they used the same description for each health states, the utility scores does not catch the potential wide range of conditions, therefore the utility scores should have more variability than shown in the paper.

Statistically, it would be more appropriately to conduct a global test before doing all the pair-wise comparison to control for inflated type I errors due to multiple comparisons. But since the p-values are small, it wouldn’t make any difference to the conclusions. I would also suggest the authors use graphically method to present their results.

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:

No all the above questions