Reviewer’s report

Title: The influence of measurement error on calibration, discrimination, and overall estimation of a risk prediction model

Version: 3 Date: 4 July 2012

Reviewer: Benjamin Cairns

Reviewer’s report:

The revised methods section is very clear, and the paper is now much easier to understand. The comments in my previous reviews have been adequately addressed.

I have some minor additional comments, the most important of which is that the authors should check their figure and table references and captions for consistency with their contents.

Minor essential revisions:

(p. 19, l. 18) Data for females are stated to be "not shown", yet they appear alongside those for males in Figure 4.

(Figures 6 & 7) These are not mentioned in the text, nor do they have captions.

Please check all figure and Table references and captions to ensure that they are appropriate to the figure contents.

Discretionary revisions:

(p. 4, l. 16) "as result" should probably be "as a result"

(p. 8, l. 10) The word "manifested" suggests that this is a feature of the data, whereas bias is a parameter that the investigators chose; a different choice of words would clarify this.

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 declare that I have no competing interests.