Reviewer's report

Title: The uncertainty with using risk prediction models for individual decision making: an exemplar cohort study examining the prediction of cardiovascular disease in English primary care

Version: 1 Date: 30 May 2019

Reviewer: Peter R. Rijnbeek

Reviewer's report:

Thank you very much for answering all the question and modifying the paper accordingly. I think that all responses are acceptable and I hope you agree this has further improved the paper.

I also appreciate your contribution to open science by sharing the analytical code which would allow others to reproduce the results.

One remaining question about this is the following sentence in your reply:

Line 580: "All code for the analyses (assumes existence of pre-existing analysis datasets) is contained in additional file 5."

To be fully reproducible, insight in "assumes existence of pre-existing analysis datasets" is needed. Is it possible to explain this better so a researcher that has access to CPRD is able to run the full analysis from start till end? If not the shared source code has clearly less value.
Are the methods appropriate and well described?  
If not, please specify what is required in your comments to the authors.  

Yes

Does the work include the necessary controls?  
If not, please specify which controls are required in your comments to the authors.  

Yes

Are the conclusions drawn adequately supported by the data shown?  
If not, please explain in your comments to the authors.  

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?  
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.  

Not relevant to this manuscript

Quality of written English  
Please indicate the quality of language in the manuscript:  

Acceptable

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