Reviewer’s report

Title: Customized versus population birth weight charts for identification of newborns at risk of long-term adverse cardio-metabolic and respiratory outcomes: A population-based prospective cohort study

Version: 1 Date: 27 Aug 2019

Reviewer: Ulla Sovio

Reviewer's report:

The authors have addressed all my comments. I have only one more clarification to suggest which is related to my Comment 3. I struggled to understand the use of smoking in the customization process and the authors have now provided some more detail on this. Based on the revision and a previous paper from the authors (Gaillard et al. Eur J Epidemiol 2011, Fig 1), it seems to me that although smoking was used in the modelling process, it was not used anymore when customized charts were constructed: the term for smoking was set to zero which simply means that smoking was not included in the set of variables that were customized for. If my interpretation is correct, I suggest that the authors remove smoking from their list of variables included (line 99), so that the readers will understand smoking was not customized for when the expected weight was calculated.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

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Yes
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