Reviewer's report

Title: A cross-sectional analysis of the associations between leisure-time sedentary behaviors and clustered cardiometabolic risk

Version: 1 Date: 14 Dec 2017

Reviewer: Paddy Dempsey

Reviewer's report:

Thank you to the authors for attending to my concerns in a meticulous and detailed manner. I understand and respect the authors' decision not to present some of the further analyses that I requested, with appropriate caveats. The revisions to the manuscript have largely addressed my key concerns, but also significantly improved the readability of the paper, bar a few issues raised below:

Forgive me if I am misunderstanding, but I am still a little unclear as to why occupational sitting time was not controlled for in these analyses. The authors note that travel and occupational domains of sedentary time were not assessed, but aren't these elements a part of the SIT-Q-7d questionnaire (e.g. sections 3 and 4, pg. 4-7 in the attached: http://www.mrc-epid.cam.ac.uk/wp-content/uploads/2014/08/SIT-Q-7d-questionnaire_13Dec2010.pdf)? Did the authors use a modified version of this questionnaire? Please clarify.

Introduction, Lines 52-57: "Many studies have focused on television [TV] time or time spent using a computer and their effects on cardiovascular health" - please replace 'effects on' with 'associations with'.

Please expand a little further on the potential implications of not-having fasting values for the clustered cardiometabolic risk score, i.e. What might this do to the validity of that outcome measure - which is a key outcome of this study?

Please remove the 'a' from 'a clustered cardiometabolic risk'. E.g. just write 'associated with clustered cardiometabolic risk'.


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.

I am able to assess the statistics

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

Needs some language corrections before being published

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