Reviewer's report

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

Version: 0 Date: 15 Oct 2017

Reviewer: Yung Liao

Reviewer's report:

This study examined associations between leisure-time sedentary behaviors and clustered cardiometabolic risk in adults. My biggest concern was that physical activity and other health behaviors have not been adjusted in the analyses. I have detailed my comments below:

Overall

1. The manuscript requires professional English editing.

Abstract

2. Conclusion needs to be much stronger.

Background

3. This sentence is unclear. Does it mean "independently related to"?

"There is emerging evidence that changes in patterns of physical activity and SB are related to factors of cardiometabolic health including the metabolic syndrome [2, 4]."

4. P2: The second paragraph of Background is unclear. Please revise.

"Many studies have focused on screen based SBs, e.g., watching television [TV] only or in conjunction with using a computer, and their effects on cardiovascular health [2, 6]. Few studies analyzed associations between screen-based SBs as well as other SBs like reading or socializing in leisure time and cardiometabolic risk factors [7-12]."

5. P3: Please clarify why
"A growing body of literature recommends using a cluster of continuous cardiometabolic risk factors instead of a binary definition of the metabolic syndrome."

Methods

6. Measures:

I suggest the authors change "sedentary behavior" into "leisure-time sedentary behaviors", in order to be consistent with the title. And please check this term in the manuscript.

Discussion

7. The explanation for the "negative association between using a computer and CMRS among individuals in the medium and in the highest cardiometabolic risk group" needed to be more detail.

8. Finally, I thought the implications for policy and practice needed much more detail.

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.

No

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:

Not suitable for publication unless extensively edited

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