Minor Essential Revisions

1. Numerous covariates are included in the analysis. Theoretical and data driven justification for the inclusion of covariates should be advanced.

2. It is appreciated that the author(s) make reference to Lindholm et al. (2013). The sample is similar (albeit not identical) as are the predictors. To ensure non-duplication, additional details are warranted to determine the unique contribution of this submission.

3. It is acknowledged by the author(s) that there is not one gold-standard self-report instrument for physical activity. However there are some that have a larger history such that the wealth of validity evidence for test scores is apparent. Please specify whether the instrument to measure physical activity was developed expressly for the purposes of this study. Further to this whether there is standardized scoring protocol to facilitate interpretation. So, for example, the classification of inactive, moderate physical activity differs considerably from the Lindholm reference.

4. Please provide reference support for "...this is a minor problem" (Page 13; line 328)

5. Spelling mistake (Page 20; Model 3). Please change the spelling of "sosioeconomic"

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.