Reviewer’s report

Title: Cross-sectional associations between personality traits and device-based measures of step count and sedentary behaviour in older age: the Lothian Birth Cohort 1936

Version: 0 Date: 22 Sep 2018

Reviewer: Yung Liao

Reviewer’s report:

This study examined cross-sectional associations between personality traits and objectively-measured physical activity and sedentary behavior in older age. Although the authors used optimal objective measures for physical activity and sedentary behavior, this study added limited evidence for this research area. I suggested the authors should further examine the associations of different patterns of physical activity and sedentary behavior (i.e. bouts, breaks and duration) with personality traits in older adults.

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?
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I am able to assess the statistics

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

Acceptable

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