Reviewer's report

Title: Socioeconomic position and work, travel, and recreation-related physical activity in Japanese adults: a cross-sectional study

Version: 3 Date: 3 June 2015

Reviewer: Heini Wennman

Reviewer's report:

I am pleased to notice that the manuscript has improved as a result of the revisions made by the authors. I have some minor points I kindly ask the authors to consider, before a possible publication of the paper.

Minor comments:
1. lines 83-86: Once more, please write out the cutoff value that has been used for the classification of the “active” and “inactive” in each physical activity domain. Unless I have misunderstood the classification principles I suggest it to be written out as follows: “For the analysis, each DPA was categorized into “active” (at least XX minutes of physical activity performed in bouts of at least 10 minutes duration during one or more days a week) and “inactive” (less than XX minutes of physical activity or physical activity not performed in bouts of at least 10 minutes duration during one or more days a week). In case the classification into “active” and “inactive” is only based upon if a person has some physical activity performed for at least 10 minutes at a time, please make this clear enough for the reader at this point.

2. line 89: please add employment status to the list of independent variables

3. line 90: please add body mass index to the list of adjusting variables.

4. lines 148-149: please add “in women” to the sentence “However, the relationship between SEP and work-related physical activity was not significant.”.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.