Reviewer's report

Title: Reliability and Validity of the Dutch Physical Activity Questionnaires for Children (PAQ-C) and Adolescents (PAQ-A)

Version: 1  Date: 10 June 2014

Reviewer: Alexandre Mouton

Reviewer's report:

Major Compulsory Revisions

The paper is clear and well written, and could provide a useful contribution to the assessment of physical activity among Dutch children and adolescent. There is no major compulsory revision to this paper.

Minor Essential Revisions

1. Page 5, line 119: remove the comma after "(VO2)"
2. Page 5, line 126: you mention that the questionnaires were structured to discern moderate (score 1) to vigorous (score 5) physical activity. Reading the questionnaire, it appears that the lower part of each 5-point scale report "no physical activity" and not "moderate physical activity". Therefore, it would be useful to clarify the scoring protocol of the questionnaires.
3. Page 5-6, lines 125 and 128: you mention that the PAQ-C and the PAQ-A consist respectively of nine and eight questions. However, there is an additional (last) question in each questionnaire that you should mention to clarify the understanding of your paper.
4. Page 6, line 145: I assume that you mean Q1-Q9 and not Q1, Q9.
5. Page 6, line 150: What does "BMI" mean in this sentence? Probably a typing mistake.
6. Page 9, line 177: A "%" is missing after "77.7"
7. Page 9, line 190: The mean scores are exposed, but you do not further discuss if those values are "in the observed norms" or not, compared to previous studies. It could be of interest to specify your study population. The total mean physical activity scores of each study population (in total, not the only the reliability sample) could also be reported.
8. Page 11, line 224-225: you mention that adolescent generally showed lower levels of physical activity compared to children. You say that it is consistent with previous studies, but you didn't test for the significance of the difference between the two study populations. It could therefore be useful to do so.

Level of interest: An article of importance in its field

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