Reviewer's report

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

Version: 1 Date: 18 June 2014

Reviewer: Chalotte Beaudart

Reviewer's report:

Major Compulsory Revision

Methods – Reliability:
• Please name the title “Parent-Child Reliability” instead of “Reliability” alone.
• It would be interesting to explain the method of schools recruitment. Why did the authors choose to select six primary schools and four secondary schools?

Results: It would be really interesting to add a table containing the clinical characteristics of the children included in both phases of reliability and concurrent validity. This information could reinforce the discussion part relating a difference in levels of physical activity in the population compared to findings from previous studies.

Results – Concurrent validity
• Please add the unit “kg/m²” when noting the mean BMI.
• The reviewer is surprised to see that the authors did not perform a test-retest of their questionnaire. This choice should be explained in the discussion.

Minor Essential Revision

Abstract – Result section: Please be consistent and add the « % » after all results and not only for one result.

Methods – Content validity: Have the two translated versions been previously pre-tested on a sample of subjects? Beaton et al. (Beaton DE., Bombardier C., Guillemin F., Ferraz MB. Guidelines for the process of cross-cultural adaptation of self-report measures. Spine. 2000, Volume 25, Number 24, 3186–3191) recommend this pretesting on a sample of 30-40 subjects to ensure that the adapted version is still retaining its equivalence in an applied situation.

Results – Reliability:
• Please be consistent and add the « % » after all results and not only for one result.
• Please be consistent with decimal points. In lines 181-182-183 you listed three decimal points instead of two elsewhere.
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