Reviewer’s report

Title: Validity of self-reported height and weight among adolescents: The importance of reporting capability

Version: 2 Date: 18 January 2013

Reviewer: Anna Brettschneider

Reviewer’s report:

The authors have made substantial changes which has improved the overall quality of the manuscript. They have addressed my comments in this revision. However, I have some comments to add.

Minor Essential Revisions

Methods
- Why do you choose in the revised version another classification for migration status? Is not the definition you have used before common for the HBSC Study?

Measurements
- Spelling mistake: 6th paragraph (p. 7): ‘…a consultation at where direct weight and height were…’ The ‘at’ is too much.

Results
- Your description of the multivariate analyses in the methods section is not clear. Just a small change would make it clearer. My suggestion is stated below.

‘Multivariate analyses of variance was applied to study the association between recall ability for weight/height, weighing/height measure history, response capability for weight/height and BMI response capability with the difference between self-reported and direct measures of weight, height and BMI z-score, respectively.’

Table 1:
- Spelling mistake: The variable ‘Response capability for height’ has the value ‘Not measured recently + low high recall ability’. I guess you mean ‘…low recall ability’.
- Spelling mistake: ‘Response capability for combined for height and weight’- I guess you mean ‘Response capability combined for height and weight’

Table 3:
- Spelling mistake: Difference for height SD for girls 6th row. There is a slash behind a number (3.12/).

Table 5:
-Spelling mistake: ‘Difference in BMI z-score based o self-reported and direct measures of weight and height’. I guess you mean ‘…based on self-reported…’

Table 5: Why do you show values for the standard deviation in multivariate model? B and p-value gives all the information needed for interpretation of the results of multivariate analyses.

**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.