Reviewer's report

Title: Trends in screen-time behaviours and moderate-to-vigorous physical activity among German adolescents 2002-2010

Version: 1 Date: 19 February 2014

Reviewer: Vincent Busch

Reviewer's report:

No major revisions are required.

Some minor revisions I think are needed though.

Firstly, in the introduction it should be made clear why you look at these two behavior types (exercise and st). It is somewhat too implicit. There are several recent studies that show their clustering and explain (e.g. via Transfer Learning) how these behaviors might be more effectively tackled simultaneously. This increases the "so what?" aspect of you introduction and makes an even stronger case to be interested in these behaviors in teens. The same goes for the end of the first paragraph of the Discussion Section. There you state that better interventions are needed, but state no suggestions for them. Use of Transfer Learning may also be interesting there. References for the mentioned cluster papers are for example


Clustering of health-related behaviors, health outcomes and demographics in Dutch adolescents: a cross-sectional study

Vincent Busch*, Henk F Van Stel, Augustinus JP Schrijvers and Johannes RJ de Leeuw

Secondly, the last line of the "sample" heading. It should be clarified what the values mean 5.0 and 7.3

Thirdly, in the third paragraph of the discussion it is implied that the often assumed relationship between being able to afford more facilities, stuff and sports club membership (in other words SES) and MVPA levels is not existent? This section could be made somewhat clearer and more explicit.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published
**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare that I have no competing interests