Reviewer's report

Title: The effect of the UP4FUN intervention on objectively measured sedentary time and physical activity in 10-12 year old children in Belgium: the ENERGY-project.

Version: 1 Date: 26 July 2012

Reviewer: Luísa Aires

Reviewer's report:

Major remarks

Abstract/Introduction

The paper needs some adjustments concerning to objectives and results presented. Analysis about the likelihoods of being more or less sedentary, if children were living with siblings and both parents, should be included in the aim of the study.

Methods

Study protocol - The authors should give a brief description of the development and contents of the intervention, because reference 14 (Lien et al.) is “In preparation”, so the reader cannot be truly informed about the methods.

Although it is clear that the intervention aims to reduce the sedentary time, it is unclear what type of actions were made and what kind of sedentary activities were focused.

Other influencing factors at home could be considered beyond living with siblings and parental living status. Why did the authors choose these variables?

Statistics

By the word “Condition”, I understand that is related to living with both parents and having siblings, but there is no information about that. Authors should add some details about the interactions, how was the interaction made with the two dummy variables (living with parents, and siblings)?

There is a lack of consideration of effect size.

References should be revised. I think the authors should not include submitted manuscripts but not yet accepted for publication (see references 14 and 23).

Minor remarks

Introduction

In pag 3, line 20, authors could add some examples of “all forms” of sedentary activities beyond the screening time.

Model adjustments (age, gender and number of sedentary bouts) should be referred in tables' subtitles.
Please check the reference list. Lacks a space between the year and the journal.

**Level of interest:** An article of outstanding merit and interest in its field

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests