Dear Authors,

Major review

The manuscript brought us an interesting data about sedentary and active behaviour among schoolchildren from Brazil. However, in my opinion, this study could have explored more the relationship between levels of physical activity and sedentary behaviour with the indicators of health.

This is a descriptive research, and there are several studies that have been showed several results about levels of physical activity and sedentary behaviour in rural and urban area. On the other hand, firstly it is necessary to describe the characteristic of those two areas, because in Brazil the rural area seems to be contaminated by behaviour from urban area, so these differences probably do not have great importance. So, if there are differences between these two-residence areas, what are the consequences on children health? Which of these behaviours shows association with parameters of health? In my opinion could be more important studies that aimed to understand differences between each one-residence area, as levels of physical activity and sedentary behaviour and its consequences on young health.

The purpose of this study was understand differences between urban and rural area aimed to promote intervention for each one residence area. However, which is the consequences of these differences. So, in my opinion before to promote intervention, it is necessary to know what is our foco of intervention. On the other hand, is not it obvious that intervention policies for promotion of physical activity should be different when we considered urban and rural area?

On the second time, the presentation of results are very confused, it is necessary improve the english. I had very troubles for understand. The authors showed several results about different parameters of physical activity, and it were became confused. What is the purpose of the study? The results needs to be presentend more organized.

So, in my opinion for publication on a journal of a higher impact factor your manuscript needs to be more explored in relationship of association between different residence areas behaviors on young health. As well as, the authors need to improve the english language.
Thank you
The revisor

Minor review

English language.

The text of introduction is very confused.

Statistical analyses should be review and better explain on methods description.

How was measured overweight?

I did not understand: the questionnaire was applied on the parents of children?

The description of results is very confused too as well as the discussion. There are several parameters of physical activity and sedentary behavior that were included.

Best regards
The revisor.

**Level of interest:** An article of insufficient interest to warrant publication in a scientific/medical journal

**Quality of written English:** Not suitable for publication unless extensively edited

**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'