Reviewer's report

Title: School-based intervention promotes healthy behavior on screen-time among Ecuadorian adolescents: a cluster-randomized controlled trial

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Reviewer: Maria Paula Santos

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School-based intervention promotes healthy behavior on screen-time among Ecuadorian adolescents: a cluster-randomized controlled trial

The paper aims to report effects of a school-based intervention for health promotion on screen-time behaviors among adolescents.

The manuscript might contribute to the field of health promotion among youth and merits publication. Nonetheless, there are few concerns about the actual form that I'll point below:

Major Compulsory Revisions

1- Title: “School-based intervention promotes healthy behavior on screen-time”, this sentence makes me think that the promotion of health behavior was through screen-time. I would suggest: School-based intervention on healthy behavior among Ecuadorian adolescents: effect of a cluster-randomized controlled trial on screen-time.

2- Abstract conclusion: Authors stated, “including screen-time activities on interventions improves the screen-time behaviors”. What does it means? The proposed activities on the intervention were screen-based? What was the improvement on the screen-time behaviors?

3- Methods, page 6: Authors should describe the educational package delivered by school teachers, in order to follow key messages of the intervention program. At least activities related to reduction of screen-time behaviors need to be described. It is not clear why during the first stage of the intervention there was only an individual strategy. Why the talks with famous sportsmen and women were considered individual strategy?

4- The classification of socioeconomic status should be better explained, the reference is not in English and readers need to be aware of that: are there adolescents, within the school system that reported no access to education? Please explain that.

5- The very detailed explanation of statistical procedures is unbalanced with the intervention description.

6- Discussion: with an intervention that only has a slight effect on mitigate the
increase of screen-time behaviors needs to be reshaped. I would like to see more discussion on that.
Since determinants and correlates are behavior specific, why authors would expect modify screen-time behavior through physical activity promotion?? (page 15).

**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