Reviewer's report

Title: The associations of perceived neighborhood disorder and physical activity with body mass among African American adolescents

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Reviewer: Augusto Cesar de Moraes

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Major Compulsory Revisions

ABSTRACT
1. In abstract it is interesting that the authors show the effect of Perceived neighborhood disorder and obesity in not only the value of p. The p value in epidemiology is the least important statistical referential. For the reader what the article is interesting to check what is the magnitude of the effect of exposure on outcome.

METHODS
Sample
1. The authors could indicate what were the parameters used for calculating sample: alpha, beta, error marge, design effect, planning for possible occasional losses and refusals.
2. Which include the institution’s ethics committee that approved the research.

Body mass index Cutoffs
1. I think the cutoff for diagnosing obesity, the authors used is not appropriate. The cutoff points proposed by the CDC are greater than the cutoff points proposed by Cole et al. (BMJ, 2000), and this is a differential error, because it has a direct influence on the prevalence of obesity. Cole et al. cutoff developed from research in 5 countries and using more accurate methods those only statistics percentiles that the CDC suggests.

Analyses
1. I suggest the authors to present the confidence intervals 95%, this is more important in epidemiology that the p-value.

RESULTS
1. I suggest to the authors of the texts to remove the results already presented in figures and tables, is redundant to present twice.
2. Replace the standard deviation for the confidence interval.
3. In the figures, remove the p-value and the to present confidence interval 95%.
4. What means those values (c = 0.116, p = 0 258)? The analyzes are very interesting, but for better understanding the authors must explain the
methodology which means these analysis results. It is a correlation coefficient, is a coefficient beta?

DISCUSSION
1. Very good.

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 don't have a competing interests with this manuscript.