Author’s response to reviews

Title: Physical Activity and Sedentary Behavior among Chinese Children aged 6–17 years: A Cross-Sectional Analysis of 2010-2012 China National Nutrition and Health Survey

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Author’s response to reviews:

Dear Dr. Stephen Madamba,

I am really appreciated your managing my manuscript and also very glad for the positive response. I checked the comments of the reviewer, revised them and also listed the response for each comment as follows. Please feel free to contact me if there's any further query. Thank you very much.

Best regards.

Chao Song

Response to the comments of Editor:
1. Thank you for providing information regarding ethics approval. In the Ethics approval section of the Declarations, please also provide a statement regarding consent from participants (as stated in the Methods section).

Response: In the Ethics approval section of the Declarations, a statement has been added “Signed consent forms were obtained from the children’s parents or legal guardians before data collection.” (line 277-278).

2. In your Funding section, please also state the role of the funding body in the design of the study; collection, analysis, and interpretation of data; and in writing the manuscript.

Response: In the Funding section, the role of the funding body has been added “the funding body participated in the design of the study.” (line 265).

3. At this stage, please upload your manuscript as a single, final, clean version that does not contain any tracked changes, comments, highlights, strikethroughs or text in different colors. All relevant tables/figures/additional files should also be clean versions. Figures (and additional files) should remain uploaded as separate files.

Response: A manuscript has been uploaded as required.

Response to the comments of reviewer 6 (Priya Vart):

1. Remove last line from conclusion in abstract.

Response: The last line “Therefore, a supportive environment should be established at different levels to promote physical activity and reduce sedentary behavior among Chinese children.” has been deleted according to the comments.

2. Name statistical test used to compare groups instead of statistical programme.

Response: The statistical test method has been named in the section of statistical analysis “The subgroup differences in school-time PA, transportation PA, domestic PA, leisure-time sedentary behaviors were assessed using the survey-weighted regression analysis. The subgroup difference in the proportions and their 95% confidence Intervals (95% CIs) were compared using the Rao-Scott Chi-square test. For leisure-time PA (MVPA and VPA), t tests were used to compare means between different gender and age groups. Group comparisons among different areas were performed using variance analysis.” (line 115-121).