

# Review of: "Obesity, Dyslipidemia and other Risks Factors for Metabolic Syndrome among Indigenous Black African Secondary School Students in Lagos, Nigeria"

Wilna Oldewage-Theron<sup>1</sup>

<sup>1</sup> Texas Tech University

Potential competing interests: No potential competing interests to declare.

This article is contributing new knowledge in terms of the health status of Nigerian adolescents and is worthy to be published. However, it cannot be published in its current state and needs to be revised for clarity as follows:

1. Language editing is needed.
2. On page 2, par 1, line 4 reference is made of healthy "populations" and obese "populations" - do these populations refer to children?
3. Study site: (a) [Reference is made to "seventh in the world" - is it the 7th fastest growing or 7th largest city in the world. Clarify. (b) 372.60% and 244.40%? Is this correct? Usually % totals 100%.
4. Study population: How were the 16 registered schools chosen? Inclusion/exclusion criteria?
5. Ethical approval: Clarify. Not clear who gave written and who gave verbal consent. Also did all the adolescents provide assent? At what age can consent be expected from adolescents?
6. Measurements: The authors mention dietary and food consumption patterns, physical activity levels and parental medication intake, however, this is not described in the methods or reported in the results.
7. Statistical analysis: Was normality testing done? This is not mentioned and it will affect the type of data analyses. Include
8. Page 4, par 1, line 1: FBG - please check if this abbreviation was used before and write out if not
9. The discussion can be expanded. (a) Comparisons are made with other countries, but what about comparing with national Nigerian data (overweight and underweight)? (b) Do not include all the other study results, rather compare your results as similar or how it differs from other countries, eg. higher prevalence compared to country a and b, whereas lower than country c. (c) No mention is made of blood pressure in the discussion. (d) No differences between boys and girls are discussed and compared to other studies. (e) The tables and figure showed valuable data regarding young, mid and late teens, but this is not discussed.
10. No limitations and strengths of the study are included. Sample size could be a limitation as 650 were needed, but only 624 adolescents were recruited.

