

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

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Potential competing interests: No potential competing interests to declare.

This is a good study and is very relevant to adolescents in Africa in general, and Nigeria specifically. However the authors attempt to present far too much data in one article. I recommend they split this information into at least two or three articles, as it is too much to digest at once. For example, the correlation between overweight and obesity and other risk factors for MetS could be a separate paper. The current paper could simply talk to the prevalence of MetS risk factors.

The title is misleading and should be reworded as per the Aim/purpose, i.e. "Prevalence of risk factors for Metabolic Syndrome among indigenous black African secondary school students in Lagos, Nigeria" for example. This "golden thread" is not obvious throughout. The objective in the abstract is not the same as in the text - and neither speak to the title.

What was the study design?

Operationally define what you mean by "apparently healthy". Clearly indicate the inclusion criteria used.

How many schools were selected for the sample? How were they selected?

For blood pressure, you say "the average of the three measurements were used." This is confusing because the previous sentence refers to three different cuff sizes. Did you use all three cuffs and average the results, or choose one cuff and measure blood pressure three times? How much time did you leave between each measure?

Under data analysis, a multivariate logic regression analysis is indicated as having been performed, but there is nothing reported in the results.

You use the term "diabetic FBG" without a definition. Rather refer to it as impaired?

The discussion could be much longer - a lot has been left out. This highlights the amount of data collected as being too large for one article.

Tables: Far too much data has been crammed into the tables, so the reader cannot see the wood for the trees. Split these up into different articles perhaps?

Always introduce a table in the text before it is presented, followed by highlights from the table for the reader to focus on.

The article should be thoroughly checked by an editor for language, grammatical and technical glitches.