Reviewer's report

Title: A cluster-analytic approach towards multidimensional health-related behaviors in adolescents: the MoMo-Study.

Version: 1 Date: 20 November 2012

Reviewer: Nuno E. Loureiro

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Minor Essential Revisions

1. Is the question posed by the authors well defined?
The aims of the investigation are easily identifiable and comprehensible.

2. Are the methods appropriate and well described?
The methods used in this investigation are appropriate and well described.

3. Are the data sound?
The data are consistent and solid.
The data presentation is clear and interesting. In order to improve the understanding of the data, it would be interesting that the values presented on table would were presented in the text during the description of the results.
The tables are well constructed and easy to understand. Would be interesting exhibit the significant differences in X2 test having as reference the residual adjusted.
The authors describe the differences in the prevalence of overweight among groups. it would be pertinent that these results wer reflected in the table with reference to the residual adjusted.

Figure 1 is pertinent which justifies a label that facilitates their understanding, particularly the description of the variables displayed.

4. Does the manuscript adhere to the relevant standards for reporting and data deposition?
The manuscript adhere to the relevant standards. The interpretation of results is adjusted to the type of research and is framed with relevant and updated bibliography.

5. Are the discussion and conclusions well balanced and adequately supported by the data?
The discussion and conclusions are interesting, valid, reflect the theme developed and the bibliographical references are appropriate. However the data obtained could be more developed, particularly the characteristics of the different clusters.
6. Are limitations of the work clearly stated?
The limitations of the study are presented in a clear and coherent way.

7. Do the authors clearly acknowledge any work upon which they are building, both published and unpublished?
This point has not been identified

8. Do the title and abstract accurately convey what has been found?
the title and abstract are consistent with the work presented

8. Is the writing acceptable?
the writing is acceptable

**Level of interest:** An article whose findings are important to those with closely related research interests

**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 do not have competing interests.