Reviewer's report

Title: The clustering of Health Behaviours and their relationship with Mental Health, Self-Rated Health and Quality of Life

Version: 2 Date: 26 May 2011

Reviewer: Susan Picavet

Reviewer's report:

Comments for authors

- It is still not clear what the quality of the found clusters is and how these relate to other cluster solutions.
- The paper now mentioned the findings of homogenous groups, but how homogenous are these groups, how good can we distinguish these groups? This is the most important issue. And how do these relate to other cluster results (of other countries)?
- In my opinion this paper on this important topic needs much more thought. Furthermore,
- Introduction should be more clear and to the point: why this study should be done, what is already known and what does this particular study add to the knowledge.
- Method: an analyses of the large group of missings should be part of the study.
- Statistical analyses: I still do not understand how the multinomial log regression was carried out, although the results are presented in a table.
- There are many more improvements necessary, e.g. the order of the text can improve (e.g. introducing Willett FFQ and IPAQ without references...), consistent use of terms (e.g. many times the health life cluster is mentioned, is that the same as the Health Conscious cluster?), strange sentences (page 16: Individuals were found to have multiple unhealthy behaviors, with those in the Multiple Risk and Physically Inactive clusters, in particular, combining unhealthy behaviours.), many typos (e.g. Preventative Medicine in stead of Preventive Medicine (2x)).

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
I declare that I have no competing interests