Reviewer’s report

Title: Socio-demographic determinants of the severity of locomotor disability among adults in Bangladesh: a cross-sectional study, December 2010-February 2011

Version: 1 Date: 10 May 2017

Reviewer: C Palazzo

Reviewer's report:

Second review: AOPH-D-17-00018

The authors took into account most of the comments and modified the manuscript. However, there is still uncertainty regarding the statistical analyses: which covariates were included in the model? (here it seems that variables such as "married/not married", "divorced/non divorced", "primary education/non primary", "secondary education/non secondary",....) were included in the same model, what limit the interpretation of the results.

- "Sampling": 122 the abbreviation "CBR" should be clarified
- You should use the same number of decimal number (for example, in the "results" section 141: there are 2 decimal numbers for mean age and 1 for the proportion.
- Please add the standard deviation or the range (min-max) after the mean of all continuous variables (usually mean is presented with SD and median with min-max)
- Please add the number of individuals when you present proportion (63%, n=....)
- A flow chart should be presented to describe the recruitment of patients
- The LDS development is more detailed. However, you did not answer if there is any threshold for this scale?
- For the multivariate analyses: you should add in the "statistical analysis" section how you built your model and how you selected the covariates included in your model.

We cannot interpret the results. In fact, if you included in the same model, maried/not maried, divorced/not divorced: the model is not valid and limit the interpretation of the results.

- Discussion:

* It is too long
The first paragraph should sum up the main results. You don't need to talk about statistical analyses.

You could better organize the discussion: 1) comparison with previous studies (developing countries, and also developed countries), 2) strengths and what your study brings in comparison with previous data, 3) Limitations: here you can include the lack of generalizability (the CRP is not representative of the national population fat least or age and gender).

**Level of interest**
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests.

**Quality of written English**
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published.

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