Reviewer’s report

Title: Factors Associated with Health Literacy in Rural Areas of Central China: Structural Equation Model

Version: 2 Date: 12 Feb 2019

Reviewer: Sarah Schrauben

Reviewer's report:

This study attempts to explore for factors influencing the level of health literacy in rural Chinese residents with structural equation modeling.

Overall, the English language needs to be edited throughout the manuscript to improve its readability - specifically need to 1) correctly use tense (past, present and future), 2) correctly use singular vs plural forms, 3) use 'participant's instead of 'objects', 4) consistently use capitalization, 5) avoid run-on sentences

Methods

Please provide the rationale for the latent variables chosen

Please clarify what 'self-developed' or 'self-designed' questionnaire means? Do you mean self-administered or self-report?

Please include what were the reasons for retaining and/or excluding questionnaires

Results

At total of 1199 questionnaires were withdrawn- what were the reasons for this? did this population differ significantly from the population that was ultimately studied?

Table 1 - please include the prevalence and number of each of the variables and values - without this information, it is difficult to judge what the study population looked like; suggest providing a table of the characteristics of the questionnaires that were excluded to visualize the difference between the populations
Suggest running a model with education instead of the occupation variable to see if you obtain similar results as the model without education and with occupation.

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

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

Not suitable for publication unless extensively edited

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