Reviewer’s report

Title: Socioeconomic-related inequalities in oral hygiene behaviors: A cross-sectional analysis of the PERSIAN Cohort Study

Version: 0 Date: 01 Dec 2019

Reviewer: Sohini Dhar

Reviewer's report:

Please include appropriate study design in title.

Please clarify the total number of regions and provinces included in your data-set.

In your manuscript you mention that the program was launched in 2014 and data was collected in 2018. Please clarify if the data-set for your study is from the year 2018 only or is it from years 2014-2018? I believe it is from the year 2018 only, but clarification is necessary in the methods section.

Your sample consisted of middle-aged and older adult individuals. You stratified the middle-aged individuals into 35-44 yrs, 45-54 yrs, and 55-64 yrs. But you did not stratify the older adults in your population into say 65-75 yrs, 75-85 yrs etc. Would you please explain your rationale for such stratification preference?

Please explain why data from Kohgiluyeh and Boyer-Ahmad province were excluded from the analysis?

Among the determinants listed, smoking is the only behavioral determinant while the rest are socio-economic determinants. I understand your rationale for including smoking as a determinant, but for the interest and focus of this manuscript, I would recommend that you exclude 'smoking' from the list of socio-economic determinants.

There are multiple typographical and grammatical errors in the manuscript. Please proofread and correct before re-submission. You may utilize the Language Editing Services offered by BMC Oral Health to address the issue.

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.

Unable to assess
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:

Needs some language corrections before being published

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