Reviewer’s report

Title: Quantile-based Fecal Hemoglobin Concentration for Assessing Colorectal Neoplasms with 1,263,717 Taiwanese Screenees

Version: 0 Date: 24 Oct 2018

Reviewer: Randi Foraker

Reviewer's report:

Thank you for the opportunity to re-review this manuscript which explored associations between f-Hb and CRC. I have remaining questions regarding the rationale for this work, which were not addressed in the revision, and would appreciate clarification from the authors as follows:

1) Clinically, it is of interest to predict CRC, not f-Hb. What is the rationale for using diagnosis as the independent variable and f-Hb (a clinical marker) as the outcome?

2) It is customary to exclude those with the outcome of interest at baseline so that risk can be properly assessed. Was this done? How many had the outcome of interest at baseline assessment?

3) Please expand upon how lifetime risk of CRC can be calculated from these data. As written, and given the issues identified by the reviewer, the study methodology does not support calculation of lifetime risk of CRC.

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

No

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.

No
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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