Reviewer’s report

Title: High-performing physicians are more likely to participate in a research study: Findings from a Quality Improvement Study

Version: 0 Date: 29 Dec 2018

Reviewer: Ivan Buljan

Reviewer's report:

Thank you for the opportunity to review this paper. The authors have made excellent work on data collection and writing of the manuscript. Please find my comments below.

There are few typos in through the text, please correct them; e.g.

P4R36: Apply them… You probably mean: " apply TO them"

Table 2. There are no dispersion measures around median. A confidence interval would be recommended, or IQR.

Table 2. Make logistic regression to observe the differences between IDOCC and non-IDOCC participant characteristics. Currently you do not have the evidence to support the claim that there are differences between those two groups in any of the variables, which you elaborate in the discussion. The criteria should be the IDOCC group (No/Yes), and the predictors should be the participant characteristics. That can be done separately for patients and physicians, leaving only significant differences (predictors) between groups, which can be elaborated in discussion.
Table 3. There are some errors in the table. E.g. in the bottom lines, the significant predictors are not in bold, while all others are. However, this part of analysis is most concerning. It is correct that some characteristics are more predictive over others (e.g. IDOCC participation vs IDOCC non-participation for cancer screening). However, if the total amount of variance explained by the IDOCC predictor is low, then it has a very little meaning to say that e.g IDOCC participation is 35% more predictive for breast cancer screening, because the total amount of explained variance is for example 1%, and therefore IDOCC participation is not predictive for those factors. So, a recommendation would be to add the amount of explained variance for each model and for each criterion, to make it more informative for the reader. Include your variables in logistic regression and examine which of those variables are predictive and in which amount.

Making these changes could make the article being more honest to the reader and improving the discussion.

Once again,

Thank you for the opportunity to review this manuscript-

**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.

No

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

Unable to assess

**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:

Acceptable

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