Reviewers report

Title: Evaluating the efficacy of tuberculosis Advocacy, Communication and Social Mobilisation (ACSM) activities in Pakistan: A cross-sectional study

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Reviewer: Rajaram S S Potty

Reviewers report:

A short statistical review of a manuscript that has been submitted for peer review to BMC Public Health titled Evaluating the efficacy of tuberculosis Advocacy, Communication and Social Mobilisation (ACSM) activities in Pakistan: A cross-sectional study by Tahir Turk and colleagues.

Major Compulsory Revisions

Methods
1. The rationale for assigning some of the households as “male” and “female” households should be discussed. Also, it is not clear why the authors have selected males and females from half of the households. Because of this sample design the sample may not be a representative sample of the whole population.

Results
2. Authors used ANOVA to compare knowledge and attitudes towards TB control across three groups of people according to exposure to advocacy, communication and social mobilization activities in Pakistan. The dependent variable used in the manuscript is measured in Likert scale (ordinal), generally ANOVA is not useful in such situations. It is suggested that other statistical technique such as ordinal logistic regression or multinomial logistic regression may be considered for the analysis.

3. Table 3 suggests that ACSM awareness varied according to demographic characteristics. So, there is a need to control for these variables while evaluating the effect of ACSM awareness on the knowledge and attitude towards TB control. It is not sure whether the authors controlled for the demographic variables in the analysis while examining the effect of ACSM awareness on the knowledge and attitude towards TB control.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:
I declare that I have no competing interests