Reviewer’s report

Title: The cost-effectiveness of incentive-based active case finding for tuberculosis (TB) control in the private sector Karachi, Pakistan

Version: 0 Date: 22 Jan 2019

Reviewer: Kátia Marie Simões e Senna

Reviewer's report:

For author responses:

Question 4.

* Not all probability values listed in table 1 were found in the references 17 or 33. For example, in the item: "Probability of TB Presumptive: ACF = 0.022 (0.02 - 0.03) and PCF = 0.046 (0.04 - 0.06)", we couldn't find this values in these references.

* In table 1 - please the item "Probability of dying from natural causes" need to be completed.

* I didn't find in the text any explanation for the assumptions in the item "Cost of no treatment if smear positive". may have these values composition well described. In Table 2, for example, how where costs calculated.

* For example: Cost of TB treatment before loss to follow up: $112 (89.60 - 134.40) for ACF and $86 (103.20 - 68.80) for PCF collected from primary data. What values make up this costs?

Suggestion to change the title for table 1 "Modeling inputs, assumptions and ranges…"

Costs may have these values composition well described. In Table 2, for example, how where costs calculated.

* For example: Cost of TB treatment before loss to follow up: $112 (89.60 - 134.40) for ACF and $86 (103.20 - 68.80) for PCF collected from primary data. What values make up this costs?
Question 5.

* The sensitivity analysis presented in the Tornado chart is not probabilistic. Only in this current version a probabilistic analysis was presented with the acceptability curve.

* Here are two links describing the two types of sensitivity analysis.

https://www.yhec.co.uk/glossary/deterministic-sensitivity-analysis/

https://www.yhec.co.uk/glossary/probabilistic-stochastic-sensitivity-analysis/

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.

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 recommend additional statistical review

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

Needs some language corrections before being published

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