Reviewer’s report

Title: Knowledge of obstetric danger signs and associated factors: a study among mothers in Shashemene town, Oromia region, Ethiopia

Version: 2 Date: 17 Feb 2019

Reviewer: Edmund Ndudi Ossai

Reviewer's report:

Review comments

Abstract
Methods
Good knowledge of obstetric danger signs was determined by the proportion of the respondents who

Results
Poor knowledge of .....

Conclusion
Line 16; Knowledge of obstetric danger signs among the respondents was poor
Review lines 20 to 23

Background (Author should take note of this spelling)
Line 30; …an estimated 303,000 women lost their lives ….
Line 45; ..low income countries…… related complications……
Line47; Poor knowledge of danger signs among mothers …...
Line 12; In many low resource countries, ......
Line 14; change trained to enlightened
Line 18; caretaker
Line 28; In general,

Inclusion criteria
All mothers who gave birth in the last one year in....... 

Sample size determination
Line 36; …mothers who had good knowledge of ..... 

Sampling procedure
Line 44; Systematic random sampling.........Reconcile this statement with that in Study population where 4 kebeles were selected
It may be good to say, two stage sampling technique was used. In the first stage, simple random sampling technique of sampling was used to select 4 out of 10 kebeles. In the second stage, systematic random sampling technique was used to select the (households)/respondents from the selected kebeles.
(In using any probability sampling technique, you should indicate the sampling frame. What was the total number of household in each kebele)?
What was the basis for using 12 as the sampling interval? Was this interval used for each of the kebeles?
If the spinning technique was used, this then is cluster sampling. Was design effect applied?

Data processing and analysis

Line 26; What do you mean by significance at bivariate analysis? It is safer to use a cut off p value for inclusion into the regression model. (a p value of &lt;0.2 is considered ideal for this purpose)

Change Measurement to Outcome variable
From your description, there were 16 obstetric danger signs, 8 danger signs of pregnancy and another 8 danger signs of labour and childbirth. Must each respondent mention two danger signs each from that of pregnancy and also that of labour and childbirth. This should be properly explained in the manuscript.

Results

Knowledge of obstetric danger signs
Line 33; Danger sign during post partum. Reconcile this with explanations in Measurement above.

Factors affecting knowledge of obstetric danger sign
Use good knowledge of obstetric danger sign

Table 3
Total danger signs included
Danger signs during pregnancy  8
Danger signs during childbirth  8
Danger signs during post-partum  5
Correct this all through the manuscript and properly define the concept of good knowledge of danger signs.
Remember to make this correction in the abstract also.

Table 4
Include proportions in the columns for good and poor knowledge
Clarify the cut off p value for inclusion into the regression model
Note that ANC follow up was not significant on bivariate analysis
Explain all abbreviations in tables as footnotes

Discussion

Line 30; Note it is proportion of respondents, (40.5%) that had good knowledge of …..
Line 39, difference in what?
You grouped the danger signs into three but failed to bring this into bear in the discussion section
Discussion is rather short and implications of study findings were not explained especially the predictors
Conclusions

Line 31: knowledge of danger signs was increased by educational level. Is this deduction made from the findings of this study? Explain?

Remove the first ethical approval included in the manuscript

References

References should be uniform and in accordance with Journal guidelines

Be mindful of use of capital letters
Even though there has been an improvement in the manuscript, there are still grammatical errors to be corrected

Level of interest
Please indicate how interesting you found the manuscript:

An article of importance in its field

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

Needs some language corrections before being published

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