Reviewer’s report

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

Version: 0 Date: 16 Nov 2018

Reviewer: Edmund Ndudi Ossai

Reviewer's report:

Review comments REPH-D-18-00432
General Comments

1. The manuscript should be critically reviewed for grammatical errors

2. Sample size determination and sampling technique were not properly explained

3. There was no indication of the number of variables used for assessing the knowledge of obstetric danger signs

Title: The title of the manuscript should be reviewed, these are suggestions
Knowledge of obstetric danger signs and associated factors: a study among mothers in Shashemene town, Oromia region, Ethiopia
Knowledge of obstetric danger signs among mothers in Shashemene town, Oromia region, Ethiopia
Knowledge of obstetric danger signs and associated factors among mothers in Shashemene town, Oromia region, Ethiopia

Abstract

Background (note not back ground)
The opening statement on childbirth should be reviewed
Be consistent on use of childbirth or child birth
Line 12 should be half a million women.........
The whole of the background should be reviewed

Objective: Knowledge of

Methods: A community based cross-sectional study design was employed. Systematic random sampling technique was used to select 422 women who. …. between April and May 2018.
Review line 28
Mention the multivariate analysis performed and state the level of statistical significance using p value
Results (note not result)
Remove the statement on response rate
Good/Poor knowledge of danger signs were not defined
What do you mean by antenatal care follow up?
Use one place decimals all through the manuscript
You should have indicated the mean age of the respondents
Line 41, It should have been, ........ Were 1.26 times more likely to have good knowledge of obstetric danger signs..... however in the abstract , (AOR=1.26, 95%CI: 1.076-1.85) will suffice.
Conclusion: This should be reviewed
Line 41, what do you mean by determent factors

Plain English Summary
This should be reviewed for grammatical errors

Background
Be consistent with use of obstetric danger signs

Methods

Study area
Line 30, Indicate when that population was recorded. Also, 48.9% of them were females

Review line 32

Line 33, Give the exact number of health facilities in the area and indicate how many are primary health centers etc
Any exclusion criteria
How was the sample size for the study determined?
Population and source population should be removed.
Sampling procedure
Indicate that a two stage sampling technique was used and explain the two stages
What was the sampling frame for each of the kebeles?
What was the sampling interval that was used in each of the kebeles? All these should be explained

Good knowledge: This should be written in full, good knowledge of what.
This good knowledge ought to have been defined in the abstract
There was no indication of the number of variables used to assess knowledge of obstetric danger signs
For good comparison with other studies, using a cut off mark based on "pass rate" like respondents that correctly answered 50% and above of the variables used to assess knowledge of obstetrics danger signs may be better than using the mean knowledge score as cut off

Data collection tools and procedure
Line 29, Knowledge of ....

Data quality control
Line 48, Review
Line 50; Instead of data collectors, use Research assistants

Data processing and analysis
Remove the word significant in Line 17, it is only a cut off. Remember level of statistical significance is determined by a p value of \lt; 0.05
Review lines 27 and 28 using the statement above

Lines 19-28; Indicate where multi-collinearity was done in the manuscript
Ethical approval
Line 33, change clearance to approval
Line 42, use respondents instead of study subjects

Results
Socio-demographic characteristics
Line 49, Consider including mothers in the title instead of recently delivered women (see suggested titles)
Remove the response rate
Use one decimal place to represent standard deviation and include the unit used for measuring age (years) after standard deviation
Do not start a sentence with figures
Line 58; should be completed college…..
Use majority instead of above the half in Line 58.

Obstetric history characteristics
Line 14, Majority of respondents, Also, health center instead of healthy…..

Knowledge of obstetric danger signs
Line 27; The most commonly mentioned…..
Line 36; Majority of respondents…..

Factors affecting knowledge of obstetric danger signs
Line 42, correct to bivariate analysis
Line 45, should be 6.01 times more likely to have good knowledge of ……..
Line 14, were 1.2 times more likely to have good knowledge of ……..

Discussion
Line 24; You have defined Good knowledge of obstetrics danger signs, why the concept of overall knowledge in the discussion section
Review lines 29 and 31.
Line 39; why was the most mentioned danger sign by the respondents not included in the abstract
Line 41; Note that it is 64.7% of the respondents ……..
Line 41; it should be greater than what was obtained in a study…..
Line 43; use difference instead of discrepancy
Review Lines 43 and 45

There should have been more explanations in the discussion on the predictors of good knowledge of obstetric danger signs
Conclusion
Line 21; sever should be severe
Line 29; should be risk perception

Harmonize the two ethical approvals into one
Reference should be References
Review the references in accordance to Journal guidelines

Table 1
Indicate the sample size under frequency (n=…..)
Change variables to variable
Use Percent instead of Percentage
Instead of Uneducated, use No formal education
Use Primary education instead of primary school
Instead of Housewife, use Unemployed.
Explain others

Table 2
What is No under Total number of children

Table 4
Report results on adjusted odds ratio and place less emphasis on crude odds ratio
Change the column on Good knowledge to column 2 and Poor knowledge to column 3
Include the proportions for Good knowledge and Poor knowledge for all the variables
Use one decimal place for crude and adjusted odds ratio and 955 Confidence interval
Is it self-employer or self-employed?
Explain all acronyms in the tables as footnotes

Decision: Major revision

Dr. Edmund Ndudi Ossai

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:

Not suitable for publication unless extensively edited
Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

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