Reviewer’s report

Title: Determinants of Infant Feeding Practices among Mothers Living with HIV Attending Prevention of Mother to Child Transmission Clinic at Kiambu Level 4 Hospital, Kenya: A Cross-Sectional Study

Version: 0 Date: 28 Jan 2019

Reviewer: Melaku Engidaw

Reviewer's report:

Abstract
* Use of abbreviation in the abstract is not recommended
* In the method section, there is no sample size determination and sampling procedure, it is very important here
* Method of analysis and software that is used for the analysis must be included especially for the qualitative and for quantitative also it is short (which model is used? Is the linear, logistic, multinomial etc)
* the conclusion must be focused and short. Try to state the magnitude of the practice and the significant factors with the recommendation.
* Keywords must be in line with the topics gives emphasis on breastfeeding practices too much

Background
* Well narrated and interesting but it gives emphasis on PMTCT and needs to have study findings and should have to show the possible consequences contributing factors and intervention with one or 2 paragraphs.

Methods
* Better to avoid this statement under the title of Method "The purpose of this study was to assess the infant feeding practices and its determinants among mothers 105 living with HIV with infants 0 - 12 months old attending PMTCT clinic at the Kiambu Level 4 Hospital." In paragraph 1, line 104 and 105. It is stated in the last paragraph of the background (line 101 and 102)
* Line 107 - 108: "... a cross-sectional analytical study design with both qualitative and quantitative methods of data collection and analysis." It is not clear? Is there a study which is said cross-sectional analytical study? Pleased to be sure that a cross-sectional study design will include both the quantitative and qualitative …. Needs revision
* Your Study participants (line 115 - 116) were those who have a child 0 - 12 months at the time of the data collection. Your result will be under or over especially the magnitude because of your target group. A mother that will be interviewed at the child age of 3 months with exclusive breastfeeding will not continue for the next 3 months after the interview. So how did you handle such effects? I think the target group is not selected appropriately.
* Is the sample size calculated by using a single population proportion formula? If so, make it clear. Is 180 include both qualitative and quantitative? If so, state separately to make it clear
* When did you say a mother has a feeding practice? I think you need some operational definition for such words like feeding practice, EBF and mixed breastfeeding, maternal knowledge on feeding practice etc

Result
* Please give a full title for the Tables? Where, when and target group etc
* When did you say "Breastfeeding was a common practice among mothers"? line 184
* Did you determine the practice of breastfeeding by using the questions listed in table 2? If so when did you say there is a practice? When the mother answer 3 out of 4, 2 out of 4 or …. better if you consider in the method part as a sub-title of Operational definition
* Line 203, what type of influence, is it positive or negative? When the stigma will happen? Is by avoiding the breastfeeding or any other????
* By using this small sample size, having this separate analysis will not that much significant or important, it has its own limitation. Example there must be 20 respondents for 1 variable to do a logistic regression, how did you see this?
* I think the method of analysis must be build based on the recommendation as the mother practicing the recommended breastfeeding or not? I want to hear why not you prefer to do like this? Even there is a different study in your area as you stated, so what will make your study different?
* When did you say the mother has knowledge of breastfeeding after asking this 8 serious of the question to assess this knowledge?
* If possible, I want to see the possible definition of AORs in the result section in addition to the existed statement with a confidence interval and there must be a confidence interval for the magnitude of Exclusive breastfeeding, mixed feeding etc …. To see whether it overlaps or not

Discussion
* What is the possible reason for similarity or having a different result? it must be stated at the end of each paragraph discussion? Example why this happens at the end of line 272, next to efer3nce number 7? I want to see for other discussions too?

Conclusion
* The conclusion must be based on the finding

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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