Reviewer's report

Title: Fertility Desire among HIV-Positive Women in Tigray Region, Ethiopia: Implications for the provision of Reproductive Health and Prevention of Mother-to-Child HIV Transmission Services

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Reviewer: Risa Hoffman

Reviewer's report:

The authors have largely responded to prior reviews/comments, in particular doing a very nice job providing an expanded background about the context of their study in relation to others from Ethiopia, and in shortening the paper to be much more concise. I have the following additional comments:

Discretionary Revisions

1) I still find Tables to be a problem. I think Table 1 and 2 should be combined into one single table on socio-demographic and clinical characteristics (and considering shortening/simplifying) and then Table 3 becomes Table 2.

2) The authors state they do have sufficient power to determine whether ART status is associated with fertility desire because 15% of 964 were non on ART. That means only ~145 were not on ART and this does not seem sufficient to be drawing conclusions about ART and fertility desire. I recommend the authors present this information stating that they had small numbers not on ART and were not specifically powered to detect differences between these groups (would include this in limitations). IF they were powered, then specific power calculations need to be provided. The authors cannot say power is 'sufficient' but rather need to provide a calculation.

3) Appreciate the clarifications about the sampling but it is still unclear how women were randomly selected. Every 3rd woman? Every other woman? What was the random sampling technique? That should be included in the methods.

4) The authors state they want to include information about unmet need for contraception in the paper and that they have provided data, but then I don’t see that info in the text of the results or the paper, and then it shows up in the discussion as a statistic (40.2% had unmet need). If authors want to include this they need to include results in the Results section. Otherwise, would delete it from the discussion.

5) The results section still feels a bit disorganized. There is a section on socio-demographic characteristics and a separate section on "medical, reproductive health etc" but info on fertility desire and associations with fertility desire are scattered throughout both these sections. It would make more sense to (1) summarize the basic sociodemographic and clinical characteristics first
(without mention of fertility desire yet) then in a separate section to (2) talk about associations of these things with fertility desire and then (3) in another section talk about your regression analysis results [this section is clear as it now exists]

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests