Reviewer's report

Title: Sexual and reproductive health behavior and unmet needs among a sample of adolescents living with HIV in Zambia: a cross-sectional study

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Reviewer: Shahla Alalaf

Reviewer's report:

Manuscript Number: REPH-D-17-00398

Paper title: Sexual and reproductive health behaviour and unmet needs among adolescents living with HIV in Zambia: a mixed-methods study

This is a mixed-methods study was conducted at the University Teaching Hospital on 175 adolescents who were aware of their HIV-positive status. Data were collected on their first and recent sexual behaviour, concerns about marriage, and desires for having children.

This paper has a potential to be accepted, but some points have to be clarified or fixed before a positive action can be taken.

We here summarize these points:

1. Abstract: "little evidence is available on their sexual behaviours and SRH needs in Zambia" : Rationale to conduct this research is to be transferred to the end of the introduction in the text.

2. Primary and secondary aims of the study to be clarified in the background section of the abstract and in the text.

3. Methods: line 129

Study setting: The two centers are the national referral centers and the model hospitals for adolescent HIV care and treatment services

Are these two centers regarded as the main health center related to HIV, are they covering all cases diagnosed to have HIV in Zambia, in another words is there another center where the
adolescent can seek to be managed there, and what is the rate of covering is for this purpose by the 2 national centers.

4. In the title : it is better to add the word (a sample) before adolescent :

Sexual and reproductive health behaviour and unmet needs among a sample of adolescents living with HIV in Zambia: a mixed-methods study among adolescents living with HIV in Zambia: a mixed-methods study

5. Tables : (pa ,AORb (95%CI)c) : No need to add a superscript letters for the abbreviated words (a,b,c)

6. Discussion 281: The beginning paragraph is the aim of the study and ended by to references which are not understandable why they are here.

Start your discussion with a paragraph showing the main finding of the study. The section contains many repeated rates of the results, please revise them and try to discuss the results and to explain why.

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

An article whose findings are important to those with closely related research interests

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Please indicate the quality of language in the manuscript:

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