Reviewer’s report

Title: Differences in sexual behaviour and practices of adolescents in Nigeria based on gender and HIV status

Version: 1 Date: 16 June 2014

Reviewer: Amsale Cherie

Reviewer’s report:

This paper is very timely, providing valuable information on the sexual behavior and practices of HIV positive and negative adolescents in Nigeria which could be used to design interventions that will help improve the quality of lives of adolescents living with HIV. The following revisions could help improve the paper:

Major Compulsory Revisions
1. Please indicate the assumptions used to calculate the Sample size? Clarify how the study participants who are HIV negative in and out of school youth selected from all adolescents in the youth center and also explain more how the HIV positive adolescents were recruited.
2. Indicate how the instrument of data collection was developed.
3. The calculated sample size in the methods section is 660 ALHV and 660 HIV negative adolescents. In the result it says 1,601 adolescents were recruited why was this difference?
4. Result section of the paper should be revisited. There are so many inconsistencies and errors in this section. Please check the figures again. For example result section 2nd paragraph it says 825 HIV positive adolescents but the total is 749 not 845 the same in the same paragraph for HIV negative adolescents also.
5. Table 4: The authors need to clearly specify how the potential confounders were handled and which ones were included in the logistic regression model to arrive at the final predictors. There is a need for more information about the regressions in this table

Minor Essential Revisions
1. The abstract needs to be revised. What does the bracket show in the result part of the abstract?

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

Quality of written English: Acceptable
**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests.