Reviewer's report

Title: Adherence to Highly Active Antiretroviral Therapy and Its Correlates among HIV Infected Pediatric Patients in Addis Ababa, Ethiopia.

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Reviewer: Philippe Msellati

Reviewer's report:

This paper is interesting as it addresses an important topic which is adherence to HAART in Africa. But the results of this paper are quite surprising and strictly opposite to all published studies on the subject without any explanation of these results. One of the major limitations which has not been clearly addressed is that the studied population is probably the best about adherence.

# Major Compulsory Revisions

The results are so surprising and systematically in opposition with what we know on this topic that I ask the authors to check again their analysis and especially the multivariate analysis. As a naive reader, I could think data have been inverted.

On the same statistic side of the paper, I am wondering how authors obtain such figures?

"The majority 205 (52.6%) of the children was above 9 years. The mean and median age of the children were 3.33 and 4 years (range: 1 to 4 years)."

# Minor Essential Revisions

Please change:

First, descriptive statistics was carried out to explore the socio-demographic "charactersices" of the respondents, the adherence rate and clinical "charactersices"

"Despite the above limitations, the study had several strength including use of both qualitative and qualitative methods for triangulation, inclusion of several sites, use of more than one method of adherence assessment and inclusion of several variables."

Authors may have meant quantitative and qualitative methods

I am not sure that figure one is absolutely necessary

"Over all, the participant attitudes on administration of ARV medication to the children were favorable in 380(97.4%) of the respondents with a 12 points liker scale instruments"
Could we have more details on the used scale?
No use of three digits after dot, two should be enough and less confusing

"Children who didn’t know their Sero-status were 2.53 times more likely to adhere for the treatment of ARV than children who didn't know their Sero status."
Could authors check that sentence?
As I am not native English speaking it could be necessary to check english by somebody else.

**Level of interest:** An article of limited interest

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**
I declare that I have no competing interests