Reviewer’s report

Title: Adherence to antiretroviral therapy and associated factors among HIV infected children in Ethiopia: unannounced home-based pill count versus caregivers’ report

Version: 4 Date: 23 July 2013

Reviewer: Bernadette O'Hare

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TAH - need to put this in brackets in line 40 before using the abbreviation

Line 92 need to reference the statement "self or caregivers’ report, and the highest level of adherence (79.5-100%) emerged from such measurements" is it also from reference 18? If so you could put reference 18 after both statements

Line 222 extradoses should be extra doses

Line 230 - "Similarly, children who did not know their HIV sero-status were more likely to adhere to their treatment [aOR=2.35 (95%CI: compared to those who knew their sero-status" Might this not be also related to age i.e younger children are less likely to know their status and medication is more likely to be administered by a guardian than by the child? Could this be stratified by age to tease this out as it is interesting to those practicing in the field.

In Table 1 'HIV status disclosed' numbers are different to table 3 'Children who know their status' are the authors implying that these are different things? i.e. that the status was disclosed but the child is saying they do not know their status? If they are the same why are the numbers different. Table 1 has no then yes response below, table 3 has yes then no responses - I would do the same in both tables in case the reader wishes to compare them

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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'