Reviewer's report

Title: Sexual Behavior and Vulnerability to HIV Infection among Seasonal Migrant Laborers in Metema District, Northwest Ethiopia: A Cross-Sectional Study.

Version: 3 Date: 17 July 2014

Reviewer: Weerasak Putthasri

Reviewer's report:

Study setting (page 4): please check number of male and female population again, it should be 119,054 in total

Sampling (page 5): authors used lottery sampling to select 14 study sites, this means it is assumed that all site are homogenous?. If yes, please specify

Data quality control (page 6): authors already described method of data collection and quality control. However, since this sexual behavior data may be a sensitive-issue, could authors explain more who are data collectors?, how many of them?, any language and cultural barrier?

Table 1 (page 17): in religion category, please make sure total percentage should be 100%

Table 2 (page 18): number and percentage in the table is quite confusing since 'n' in each category are not the same. I understand that it is because there is high missing in each category, correct?. I suggest to modify this table to more easy read.

Table 3 and 4: (OR calculation) authors should seriously consult a statistician to re-check OR formulation, this result will mis-leads of audiences' understanding.

For instance, in Table 4 'paid for sex' as exposure: in multi sex partners (case), ratio of paid to non-paid (exposure to non exposure) is 65/208 while in no-multi sex partners (control) is 57/67. Authors concluded that 'paid for sex' is 7.59 times higher associated with having multi sex partners?

Again for odd ratio, authors sometimes use 'yes' as reference' and sometimes use 'no' as reference. It could lead audiences confused. Let the ratio or OR itself says. If OR>1, it's risk factor; if OR<1, it's preventive factor.

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:

none