Reviewer's report

Title: Non-Adherence to the Single Dose Nevirapine Regimen for the Prevention of Mother-To-Child Transmission of HIV in Bindura Town, Zimbabwe: A cross-sectional analytic study.

Version: 1 Date: 17 June 2009

Reviewer: David Coetzee

Reviewer's report:

Intro
1. Where did the data come from for previous 2007 study? Reference? MINOR

Methodology
2. Dates need to match those in abstract. MINOR
3. Can you explain the minimum sample size in terms of confidence intervals and margin of error? MINOR
4. Why was a cut off of p<= 0.25 used for inclusion in the regression analysis? MINOR

Results
5. Can you provide the confidence intervals around the univariate results e.g. rates of adherence? MINOR
6. Table 2 is confusing. It would be clearer if it stated:
   Swallowed NVP at least 2 hours before delivery
   Swallowed NVP less than 2 hours before delivery
   Did not swallow NVP

   This is the way it is commented on in the discussion. The other tables should be done in a similar manner. MINOR

Table 2: The combined Maternal-Infant Nevirapine doses is particularly confusing as it does not show clearly adherence to both (57%) MINOR
7. Could percentage of deliveries at home and antenatal care be including in Table 1? DISCRETIONARY
8. What other factors recorded were not associated with non-adherence i.e. not statistically significant? It is important to report negative results. MINOR
9. Detailed data from tables is repeated in the text e.g. PORs and confidence intervals. Perhaps only mention the factors that were significant and those that were not without the detail. Also do we need all the bivariate data when the regression provides more valuable data. DISCRETIONARY
10. Could the stratified analysis and the regression be put in a table? It makes it easier to read. DISCRETIONARY
**Level of interest:** An article whose findings are important to those with closely related research interests

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

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.