Reviewer's report

**Title:** Assessment of maternal anemia in rural Western China between 2001 and 2005: a two-level logistic regression approach

**Version:** 4  **Date:** 1 January 2013

**Reviewer:** Chaowei Fu

**Reviewer's report:**

Authors have addressed most of my comments.

**Major Compulsory Revisions**

1. In the revised manuscript, statistic issues were still unclear. For example, in the results, they presented the following:

"In the survey population, more than half of mothers were of Han ethnicity (65.4%) in 2001 and (57.4%) in 2005 (P<0.001). The mean age was 26.8 years old (range 15-50 years) at the beginning of the program; the mean age 27.3 years (range 16-50 years) in 2005 was significantly different from that in 2001 (P<0.001). Moreover, breastfeeding duration were 15.1 months in 2001 and 17.0 months in 2005 respectively, whose difference was also statistically significant (P<0.001)."

but I could not find the statistical methods for such results. Please carefully check all issues had been shown in the methods.

2. Please calculate the age-standardized prevalence of anemia.

**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:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests