Reviewer's report

Title: Measles vaccination coverage estimates from surveys, clinic records, and immune markers in oral fluid and blood: A Population-based cross-sectional study

Version: 2 Date: 11 April 2013

Reviewer: Vianney Tricou

Reviewer's report:

Minor essential revisions:

Authors’ affiliation
1 - Could you please expand the abbreviation "ICDDR,B,“ (I suppose this means “International Centre for Diarrhoeal Disease Research, Bangladesh")?

Introduction (or Discussion)
2 - I think the work by Lessler et al. reported in PLoS Med. 2011 should be cited as it is an important work in the field. Briefly, they have developed a method by which administrative coverage estimates can be combined with a cross-sectional survey to estimate the effectiveness of measles (or other) vaccination programs.

Methods
3 - Please, could you clarify what you mean by “consenting children”? Did you seek the consent of parents or guardians?

Results
4 - Please, could you add to the text the explanation given in the legend of Figure 1 concerning the difference between the 1450 children announced in the Methods section and the 1389 children effectively selected?
5 - Please, could you clarify how you have considered children aged of 12-16 months have refused OF collection?
6 - Please, could you clarify why no adjustment were done to the raw blood prevalence to account for differences between vaccination history and immunologic status?

Discussion
7 – It would be nice that you can discuss your findings in comparison with administrative coverage data reported to the World Health Organization and the WHO-UNICEF estimates? Public health experts extensively use these two sets of data.

Abbreviation
8 - Please, could you add this term to the abbreviations list: socioeconomic status (SES)?

Thank you for this excellent work!

**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.