Reviewer's report

Title: Why are children not vaccinated against measles? A cross-sectional study in two Nigerian states

Version: 2  Date: 9 September 2014

Reviewer: Pierre Verger

Reviewer's report:

The manuscript has been significantly improved. There are several minor revisions left.

- It would be clearer to announce in the abstract and in the method section that the study design is a mixed method research, and to provide at least one reference in the method section.

- page 4, line 12: a semi-colon or a dot is missing after "illnesses".

- page 6, second line from the bottom: an "s" should be added to "mother".

- pages 6-7: the first paragraph of the result section remains unclear: the authors do not provide an explanation in the manuscript why about 14000 children were identified in Cross River and only about 2800 were included in the survey.

- page 7, line 16: "9% of women" instead of "9 of women".

- page 7, second line from the bottom: the expression "more than twice as likely" is not, strickly speaking, appropriate as the authors have calculated odds ratio which are not good estimations of relative risks when the behaviour studied (here vaccination) is not rare. This should be corrected here and at several other places in the manuscript.

- page 8, lines 3-6: the sentence "factors of parental edication... vaccination status." should be rewritten in a clearer way.

- page 11, second paragraph, first sentence: the term "determinant" is not appropriate: as the authors mention in the Limitations paragraph, the study is cross-sectionnal and they cannot draw definite conclusions about causality.

- table 2: the autgors should add in the title or in a legend that they performed logistic regression; same remark for table 3.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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'