Reviewer’s report

Title: Individual and Community Level Determinants of Childhood Full Immunization in Ethiopia: A Multilevel Analysis

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Reviewer: Chiara de Waure

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I regret to say that, even though the point to point answers were clear enough, the paper is still confusing on some of the aspects I have raised in my last review.

In fact, with respect to the comment on final data set, Authors, in “data source” quote “This study analyzed the sample of mothers aged 15-49 years who had at least one child aged 12-59 months in the last five years (2005-2010).”. This means that all mothers in the original dataset had at least one child of the desired age. As a consequence, the quotation in “descriptive statistics” “For the purpose of analysis age of the child (12-59 months) and number of children per cluster at level-2 was used as criteria to create the full data set” is meaningless because all mothers in the original database satisfied the first criterion. Please amend the paper in order to make it more consistent.

Authors declare that the outcome of the study is vaccination status of the last child and I understood it. Anyhow I would like to point out that in “outcome variable” the following sentence is reported “The outcome variable in this study was the probability of a child 12-59 months of age being fully immunized”. I do not see any reference to the last child. This is why the rest of the paper is not enough clear. In methods it is not stated that the outcome variable regards the last child. Please amend the paper in order to make it more clear.

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