Reviewer's report

Title: Epidemiology and burden of rotavirus infection among young children with acute diarrhoea in Burkina Faso

Version: 1 Date: 9 September 2010

Reviewer: Leonardo Ferreyra

Reviewer's report:

Thank you very much for allowing me to review this paper.

The investigators performed an epidemiological study of rotavirus infection among Young children with acute diarrhoea in Burkina Faso. This study is in anticipation of the rotavirus vaccine introduction in Burkina Faso. In view of the previous thing, the provided data in the paper are very important to measure the impact of the introduction of rotavirus vaccine later.

1. The question posed by the authors is well defined.
2. The methods are appropriate and well described.
3. General data are sound. However, in relation to which it says the title of the work (“Epidemiology and burden...”), the calculation of the rotavirus disease burden in Burkina Faso must appear in the text as result. It requires the calculation of the incidence of this disease in the whole population of Burkina Faso (minor essential revisions).
4. The manuscript adheres to the relevant standards for reporting and data deposition.
5. The discussion and conclusions are well balanced and adequately supported by the data.
6. The limitations of the work are clearly stated.
7. The authors clearly acknowledge any work upon which they are building both published and unpublished.
8. The title can be unsuitable if the calculation of the rotavirus disease burden in the whole population of Burkina Faso does not appear in the results. If no, title could be changed, e.g. “Epidemiology of rotavirus infection among young children with acute diarrhoea in Burkina Faso (minor essential revisions).
9. The writing is acceptable.
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:

declare that I have no competing interests