Reviewer’s report

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

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Reviewer: Dewan S Billal

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Title of the article:
Epidemiology and burden of rotavirus infection among young children with diarrhea in Burkina Faso

Authors: Bonkoungou IJO et al

Journal Name: BMC pediatrics

General comments:
The article by Bonkoungou et al. describes the prevalence and burden of rotavirus infection among young children with acute diarrhea in Burkina Faso. They had recruited 447 children aged less than five years from November 2008 to February 2010. The authors presume that their study will help to implement the currently available rotavirus vaccine. It is not clear from the study which vaccine will be suitable for Burkina Faso like monovalent or pentavalent rotavirus vaccine?

It will be easier to understand if they provide the sensitivity and specificity of the kit that they used in the study by referring other papers.

Some vaccine trials for rotavirus infection study recruited 6, 8 and 10 weeks old infants. But in the current study the median age of the children were 8 months. Were the authors biased to recruit the participants?

In patients children was more infected with the rotavirus than the outpatients. Is there any outbreak of rotavirus infection during the study period?

The authors concluded that the breastfeeding children were less infected with rotavirus than the bottle-feeding children. Still there are many controversies regarding this statement.

There is no limitation regarding the study.

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:**

None to declare