Reviewer’s report

Title: Planning for globally coordinated cessation of bivalent oral poliovirus vaccine: Risks of non-synchronous cessation and unauthorized oral poliovirus vaccine use

Version: 0 Date: 04 Oct 2017

Reviewer: J Tuells

Reviewer’s report:

Dear authors

The background is correct and it summarizes well the issue, clearly stating the problems related to possible synchronization failures which could occur during the cessation period of the cow in the overall context of polio elimination. The methodology is based on models developed by the authors themselves on the risks of implementing the OPV cessation or effects of different vaccine pre-cessation strategies. They raise four different analysis in which they explore the implication of a failure to globally synchronize OPV cessation (I and II) and the unauthorized post-cessation use of OPV (III and IV). The results are clearly expressed in the text, tables and figures. The conclusion explains that risks associated with the cessation of bOPV are similar to those that have already occurred (OPV) and it exposes the synchronization strategies necessary to minimize the risk in cessation of oral polio vaccine. The paper is very interesting.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
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I am able to assess the statistics

Quality of written English
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