Reviewer’s report

Title: Knowledge, attitudes and practices on adolescent vaccination among parents, teachers and adolescents in Africa: A systematic review protocol

Version: 1
Date: 24 July 2014
Reviewer: Kumanan Wilson

Reviewer’s report:

This protocol describes a review that will address an important question - knowledge, attitudes and practices related to adolescent vaccination in Africa.

The protocol is well written. The introduction, while somewhat lengthy, does identify the importance and need for the review.

The methods are generally well presented with a few exceptions. As an overall objective I was unclear as to whether the review would just look at baseline attitudes or the impact of interventions on changing attitudes. These are substantially different subject matter areas and if the review is going to examine both of them they should be treated separately. The former is likely best examined through qualitative and cross-sectional studies while the latter through intervention studies and may lend itself to synthesis.

The search strategy should seek to identify studies from the grey literature. NGO’s and international organizations (WHO, UNICEF) in particular may have examined this question and published the results in reports.

I have concern with how the quantitative and qualitative methodology is mixed together. In particular, wrt data synthesis, I would prefer if they were explicitly separated.

I could not find appendix 2 which had the data abstraction form.

More detail could be provided on how the qualitative data synthesis will take place. The authors may want to consider the following: http://www.ncbi.nlm.nih.gov/pubmed/16223649.

Will any form of subgroup analysis or sensitivity analysis be conducted? Even if the results are presented narratively differences in KAP amongst subgroups could be examined. This would be particularly important geographically given the differences between countries in Africa. For example subgroup analyses based on GDP categories could be conducted.

Major Compulsory Revisions

Clarify how intervention and baseline studies will be examined.

Consider grey literature to be included in search strategy.
Have separate and more detailed discussion of data synthesis for quantitative and qualitative components.

Include Appendix 2

Consider subgroup analyses

**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 am a primary shareholder in Sigvaria Mobile Technologies a company that has developed a mobile immunization application.