Reviewer's report

Title: Systematic review of models estimating the cost-effectiveness of routine varicella and herpes zoster vaccination in high-income countries

Version: 1 Date: 25 May 2014

Reviewer: Richard Rheingans

Reviewer's report:

General comments

* This is well written systematic review that follows standard guidelines for design and reporting.

* One of the clear strengths of the study is that the authors provide a critical analysis of how modeling assumptions of the different studies (particularly linking varicella vaccination and HZ incidence) can greatly affect policy assessments of cost-effectiveness. These insights are clearly explained and grounded in the reviewed studies.

Major compulsory revisions

None

Minor compulsory revisions

1. P 3, line 47-8; "... a usually three week lasting..." is awkwardly worded
2. p 3, line 53; populations
3. p 3, line 55; wording. Should be 'the age group' or age groups over...
4. p 9, line 217; No comma between 'both' and 'a'
5. p 9, line 217-8. Something is missing in this sentence. "Eight and two studies..." doesn't make sense.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

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.