Reviewer's report

Title: Cost-effectiveness of HPV vaccination regime: Comparing twice versus thrice vaccinations dose regime among adolescent girls in Malaysia

Version: 4 Date: 24 November 2015

Reviewer: David Bin-Chia B. C. Wu

Reviewer's report:

Major Compulsory Revisions:
I appreciate authors’ efforts in addressing my previous comments. However, I feel that some comments are not well addressed. In Comment 1, authors simply described the differences of Markov model and dynamic model but didn’t manage to justify why Markov model is used instead of a dynamic model. In Comment 4, I cannot be persuaded that the one-way sensitivity analysis is comprehensive as only a few parameters were varied. How about variation of transition probability, utility and vaccine effectiveness and treatment costs? In comment 5, while authors are correct by presenting one-way sensitivity analysis to make presentation simple, however, it is very important to also account for simultaneous impact of variation of multiple parameters in multivariate probabilistic sensitivity analysis (PSA). This is because PSA can present distributions of important outcomes and further assist decision making. Furthermore, if authors do want to just stick to one-way sensitivity analysis, it should have been comprehensive enough to include all uncertain parameters.

Minor Essential Revisions:
(Line 134) The authors didn’t clarify if they have applied half-cycle correction applied when running Markov model.

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 declare that I have no competing interests.