Author's response to reviews

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

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Author's response to reviews: see over
To:
Executive Editor
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Dear Sir,

RE: Response to reviewers’ comments/suggestion
MS ID: 1521810097159609- Cost- effectiveness of HPV vaccination regime: Comparing twice versus thrice vaccinations dose regime among adolescent girls in Malaysia

In reference to the above, again we would like to thank to Dr. David Bin-Chia B. C. Wu spare his time to review our paper and for comments. Here are the our response to his comments:

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.

Respond: This study is predicted future what would happened if we applied 2 dose HPV vaccine instead of 3 dose HPV vaccine, a Markov model is a mathematical system that transitions from one state to another over time (or the State Space) but Dynamics Models typically rely on some past knowledge. For our study the Markov model is more appropriate.

Comment 2: Re SA, if authors do want to just stick to one-way sensitivity analysis, it should have been comprehensive enough to include all uncertain parameters.

Respond: We would like to stick to one-ways SA as we explained pervious response. We strongly belief that one –way SA done here is adequate and easily understood by policy and decision makers. However, in order to strengthen the SA, in this version we included one more parameter in the SA which is the vaccine efficacy.

Minor Essential Revisions:

Comment 3: The authors didn’t clarify if they have applied half-cycle correction applied when running Markov model.
Respond: We did not apply half-cycle correction when we run the model as we believe that our current model will give accurate and robust outcome and the result will not be different even without the correction.

We upload here the latest revised manuscript for your attention.

We sincerely hope that all these responses have addressed all outstanding issue and our article can be accepted and publish in your esteem journal.

Thank you.

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