



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_7883
Title of the Manuscript:	Vaccination Dynamics of Chickenpox in Agona West Municipality, Ghana
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	1. Figure 2.1 is split between two pages, and the label in the third column, last line is wrong. 2. The model assumes that vaccination is perfectly effective, which is probably false. 3. The reproduction number given for the model (1) - (4) is wrong as it is missing a factor N and also is for the model without vaccination. 4. It is essential to give the reproduction number for the vaccination model. 5. If the reproduction number is greater than 1, there is an endemic state, not an epidemic. 6. The parameter values given in Section 3.0 can not be correct. A natural death rate of 0.02 is not consistent with a recovery rate of 0.014. I suspect the natural death rate is given in different units. 7, The statement that the disease-free equilibrium is unstable while the endemic equilibrium is asymptotically stable for the vaccination model is not consistent with the calculations given. 8. The results, if corrected, would be nothing more than a routine calculation, and add nothing to knowledge.	1. figures has been corrected 2. there's no vaccination that is perfect and our model is not assuming a perfect vaccination 3. that is what we had for the model and most of the similar models are not having N. Susceptible does not have N and the Exposed(E), Infective(I) and Recovered(R) all have N 4. these results are what we had from our data
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		