Reviewer’s report

Title: Antiviral prophylaxis during pandemic influenza may increase drug resistance

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Reviewer: Sally Blower

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In my opinion BMC Infectious Diseases should publish this paper. It is novel, excellent, informative and clearly written. Currently there are less than a handful of published papers on modeling influenza and drug resistance - so this paper will make an important contribution to the literature. My only comments to the authors are that they should consider including a paragraph (for comparative purposes) on modeling the evolution of antiviral resistance in the treatment of HSV-2 (there is a paper in nature Medicine from several years ago on HSV-2 & drug resistance) and HIV (the first paper on modeling HIV and drug resistance was published in SCIENCE in 2000).