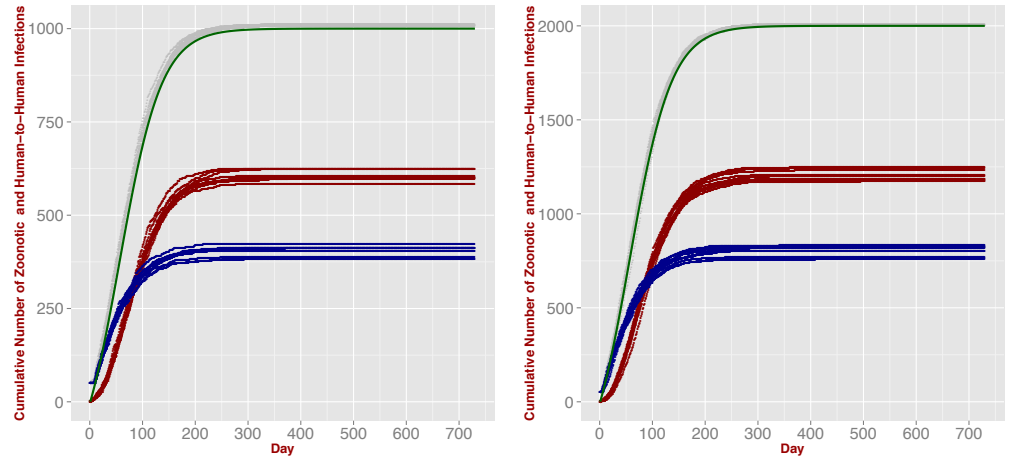


**S10 Text. Effect of human population size.**



**Fig S1.** Cumulative number of infections for the ‘Poisson with Fedback’ model generated by the ABM (10 independent runs). The red and blue points represent cumulative infections arising from zoonotic and human-to-human transmission respectively; the grey points are all cumulative infections altogether. The green line is the analytical solution for the mean cumulative number of infections according to Eq (S10) in the Supporting Information, S7 Text. **(a)** Human population size  $N_H = 1000$ . **(b)** Human population size  $N_H = 2000$ . In both cases, the mean proportion of infections arising from human-to-human transmission asymptotically approach  $Q = 38\%$ .