

Table S1. Study parameters. The proportion of the target population accepting vaccination was applied computationally and does not appear in the model equations. The values noted are those used in the main simulation (experiment 1). We also conducted sensitivity analyses. The complete set of experiments that includes all values for all parameters can be found in the GitHub repository (file `experiments.csv`).

Parameter	Type	Value	Description	Reference
β	rate	0.31	infections per person per day	
α	rate	1/6.4 days	incubation time	[1]
γ	rate	1/7 days	recovery rate	[2]
ϕ	rate	1/2.1 days	time in presymptomatic stage	[3]
η	rate	1 day	time to quarantine upon showing symptoms	
e	proportion	0.95	vaccine efficiency	[4]
b	proportion	0.5	relative infectiousness of presymptomatic and asymptomatic relative to symptomatic	[5]
h	proportion	Table S1	Proportion of cases hospitalized	[6, 7]
m	proportion	0.4	proportion of asymptomatic infections	[8]
p	proportion	0.8	proportion of target population accepting vaccines	[9]

References

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