

Supplementary Table 2: Statistical distributions for the probabilistic sensitivity analysis

	Statistical distribution*
Costs	
Vaccine delivery cost per patient at 30% coverage	Gamma (10055,6.1E-4)
Vaccine delivery cost per patient at 50% coverage	Gamma (13679,3E-4)
Vaccine delivery cost per patient at 70% coverage	Gamma (9221,4E-4)
Unit treatment cost of an asymptomatic patient	Gamma (103.1,9.6E-4)
Unit treatment cost of a mild case	Gamma (105.1,1.8E-1)
Unit treatment cost of a severe case	Gamma (105.1,1.2)
Unit treatment cost of a critical case	Gamma (105.1,5.7)
Health outcomes	
Disability weight for a critical case	Beta (102.8,54.2)
Disability weight for a severe case	Beta (21.6,140.8)
Disability weight for a mild case	Beta (21.3,396.2)
Length of hospitalization for severe episode	Gamma (53.3,3.6E-4)
Length of ICU stay for critical episode	Gamma (53.3,3.6E-4)

*The form of the distributions was chosen according to the nature of the parameter. (i.e. parameters describing the probability of health outcomes occurrence of an event are given by a beta distribution, while the values of the vaccine delivery costs and length of hospitalization/ICU stay of the various scenarios were described using a gamma distribution).