Table simulated scenarios

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The following table lists the simulations planned grouped by experiment, whose aim is described in the column Experim. Note that some simulations appear repeated in different experiments for clarity. The choice of some parameters is orientative, since some may be best determined after examining the output of previous experiments, and hence for now it may be considered a guide for the development of flexible downstream post-processing scripts.

Simul.	Experim.	Structure	Npop	Evac.	N.Tents	Onset	Contacts	Tcheck	lock	self	H-fate
1	A. Shielding and limits	Null Mixed	2000	No	0	0	MF	No	No	No	D
2											R
3		Shield (20%)					2/7	Yes			D
4											R
5							10/7				D
6											R
7	B. Role individual tents	Null Mixed	2000	No	10	24	MF	No	No	No	D
8					20						
9					50						
10					100						
11					250						
12					500						
13					∞						
14		Shield (20%)			10		2/7	Yes			
15					20						
16					50						
17					100						
18					250						
19					500						
20					∞						
21	C. Time to isolation	Null Mixed	2000	No	50	12	MF	No	No	No	D
22						24					
23						48					
24		Shield (20%)				12	2/7	Yes			
25						24					
26						48					
27	D. Population shielded	Shield (age3)	2000	No	0	0	2/7	Yes	No	No	D
28		Shield (age2)									
29		Shield (20%)									
30		Shield (25%)									
31		Shield (30%)									
32	E. Population size	Null Mixed	500	No	0		MF	No	No	No	D
33			1000								
34		Shield (20%)	500				2/7	Yes			
35			1000								
36	F. Safety zone testing	Shield (20%)	2000	No	0	0	2/7	No	No	No	D
37								Yes			
38							10/7	No			
39								Yes			

Table 1: **List of simulations performed.** Npop = Population size. Evac. = Is people requiring hospitalization evacuated? N. tents = Number self-isolation tents per camp. Onset = Mean time that an individual takes to self-isolate from onset of symptoms. Contacts = Number of contacts per day between populations shielded. Tcheck = Are temperature checks performed? Lock = Is lockdown applied after first symptomatic case is identified? self = Fraction of contacts remaining after self-distancing is implemented. H-fate = Final compartment for hospitalized people. MF = Mean field. Shield = Population shielded. age3 = elderly population. age2 = adults with comorbidities and spouses. (20-30%) = kids from adults shielded up to x% of total population.

Simul.	Experim.	Structure	Npop	Evac.	N. tents	Onset	Contacts	Tcheck	lock	self	H-fa
40	G. Lockdown	Shield (20%)	2000	No	0	0	2/7	Yes	0.5	No	D
41									0.9		
42									0.99		
43	H. Self-distancing	Null Mixed	2000	No	0	0	MF	No	No	0.2	D
44										0.5	
45		Shield (20%)					2/7	Yes		0.2	
46										0.5	
47	J. Evacuation	Null Mixed	2000	Yes	0	0	MF	No	No	No	D
48		Shield (20%)					2/7	Yes			
49	K. Combined interventions	Null Mixed	2000	No	50	24	MF	No	No	0.2	D
50										0.5	
52		Shield (20%)					2/7	Yes	No	0.2	
53									0.5	No	
54									0.5	0.2	
55									0.9	0.2	
56									0.5	0.5	
57									0.9	0.5	
58		Null Mixed	2000	Yes	50	24	MF	No	No	0.2	D
59										0.5	
61		Shield (20%)					2/7	Yes	No	0.2	
62									0.5	No	
63									0.5	0.2	
64									0.9	0.2	
65									0.5	0.5	
66									0.9	0.5	
67			500						No	0.2	
68									0.5	No	
69									0.5	0.2	

Table 2: **List of simulations performed (II).** Npop = Population size. Evac. = Is people requiring hospitalization evacuated? N. tents = Number self-isolation tents per camp. Onset = Mean time that an individual takes to self-isolate from onset of symptoms. Contacts = Number of contacts per day between populations shielded. Tcheck = Are temperature checks performed? Lock = Is lockdown applied after first symptomatic case is identified? self = Fraction of contacts remaining after self-distancing is implemented. H-fate = Final compartment for hospitalized people. MF = Mean field. Shield = Population shielded. age3 = elderly population. age2 = adults with comorbidities and spouses. (20-30%) = kids from adults shielded up to x% of total population.