

# Table simulated scenarios

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The following table lists the simulations planned grouped by experiment, whose aim is described in the column Ex-  
perim. 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	Isolation	Thr.	Contacts	Tcheck	lock	self	H-fate			
1	A. Basic intervention	Null Mixed	2000	No	0	MF	No	No	No	D			
2											R		
3		Shield (20%)				2/7	Yes			No	No	D	
4													R
5													D
6						10/7							R
7	B. Role isolation centers	Null Mixed	2000	Yes	10	MF	No	No	No	D			
8					20								
9					50								
10					100								
11					250								
12					500								
13					$\infty$								
14					10						2/7	Yes	
15		20											
16		50											
17		100											
18		250											
19		500											
20		$\infty$											
21		10			10/7								
22		20											
23		50											
24		100											
25		250											
26		500											
27		$\infty$											
28	C. Population shielded	Shield (age3)	2000	No	0	2/7	Yes	No	No	D			
29		Shield (age2)											
30		Shield (20%)											
31		Shield (25%)											
32		Shield (30%)											
33	D. Population size	Null Mixed	500	No	0	MF	No	No	No	D			
34			1000										
35		Shield (20%)	500			2/7	Yes						
36			1000										
37	E. Checks neutral zone	Shield (20%)	2000	No	0	2/7	No	No	No	D			
38							Yes						
39							No						
40							Yes						

Table 1: **List of simulations performed.** Npop = Population size. Isolation = Are isolation centers available? Thr. = Maximum capacity of isolation centers per camp. 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 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	Isolation	Thr.	Contacts	Tcheck	lock	self	H-fate		
41	F. Lockdown	Shield (20%)	2000	No	0	2/7	Yes	0.5	No	D		
42								0.9				
43								0.99				
44	G. Self-distancing	Null Mixed	2000	No	0	MF	No	No	0.2	D		
45		Shield (20%)				2/7	Yes		0.5			
46									0.2			
47									0.5			
48	H. Combined interventions	Null Mixed	2000	Yes	10	MF	No	No	0.2	D		
49					50				2/7		Yes	0.5
50												0.2
51												0.5
52		Shield (20%)			10	2/7	Yes	No	0.2			
53					50				0.5			
54									0.2			
55									0.5			
56					10			0.5	0.2			
57									0.5			
58								0.9	0.2			
59									0.5			
60		500	0.5					0.2				
61								0.5				

Table 2: **List of simulations performed (II).** Npop = Population size. Isolation = Are isolation centers available? Thr. = Maximum capacity of isolation centers per camp. 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 implemented. H-fate = Final compartment for hospitalized people. MF = Mean field. Shield = Is population shielded. age3 = elderly population. age2 = adults with comorbidities and spouses. (20-30%) = kids from adults shielded up to x% of total population.