Table simulated scenarios

July 7, 2020

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	Isolation	Thr.	Contacts	Tcheck	H-fate
1	A. Basic intervention	Null Mixed	2000	No	0	MF	No	D
2								R
3		Shield (20%)				2/7	Yes	D
4								R
5						10/7		D
6								R
7	B. Role isolation centers	Null Mixed	2000	Yes	10	MF	No	D
8					20			D
9					50			D
10					100			D
11					250			D
12					500			D
13					∞			D
14		Shield (20%)			10	2/7	Yes	D
15					20			D
16					50			D
17					100			D
18					250			D
19					500			D
20					∞			D
21					10	10/7		D
22					20			D
23					50			D
24					100			D
25					250			D
26					500			D
27					∞			D
28	C. Effect % population shielded	Shield (age3)	2000	No	0	2/7	Yes	D
29		Shield (age2)						D
30		Shield (20%)						D
31		Shield (25%)						D
32		Shield (30%)						D
	D. Effect population size	Null Mixed	500	No	0	MF	No	D
			1000					D
		Shield (20%)	500			2/7	Yes	D
			1000					D
	E. Effect T-check	Shield (20%)	2000	No	0	2/7	No	D
							Yes	D
						10/7	No	D
							Yes	D

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? 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.