

Appendix Table 2. Outcomes of severe epidemics (PSI 4–5)*

Outcome	No. epidemics per 100 simulations					Infection rate					Peak illness rate				
	100					0.714					0.170				
	Rescinding threshold					Rescinding threshold					Rescinding threshold				
Unmitigated base case	Cont	0	1	2	3	Cont	0	1	2	3	Cont	0	1	2	3
Child sequestering															
% Compliance															
90	100	100	100	100	100	0.176	0.173	0.196	0.243	0.277	0.014	0.013	0.013	0.014	0.016
80	99	100	100	99	100	0.364	0.372	0.375	0.389	0.400	0.033	0.034	0.034	0.035	0.034
70	100	100	100	99	100	0.461	0.461	0.465	0.461	0.469	0.052	0.052	0.052	0.052	0.053
60	100	100	99	100	100	0.512	0.514	0.514	0.511	0.517	0.065	0.066	0.065	0.064	0.066
50	100	100	100	100	100	0.563	0.556	0.558	0.561	0.561	0.080	0.079	0.079	0.080	0.079
Community sequestering															
% Compliance															
90	100	98	99	97	100	0.045	0.046	0.063	0.095	0.136	0.007	0.007	0.007	0.008	0.010
80	100	100	99	100	100	0.161	0.161	0.178	0.221	0.261	0.013	0.013	0.013	0.015	0.016
70	100	100	100	100	100	0.326	0.319	0.336	0.341	0.363	0.030	0.030	0.031	0.030	0.030
60	99	100	99	100	100	0.425	0.423	0.430	0.433	0.443	0.048	0.047	0.048	0.048	0.049
50	99	100	100	100	100	0.503	0.505	0.506	0.506	0.512	0.067	0.066	0.066	0.067	0.067
Average no. cycles															
Adult days at home															
Average duration of strategy, d															
0															
3															
0															
Unmitigated base case	Cont	0	1	2	3	Cont	0	1	2	3	Cont	0	1	2	3
Child sequestering															
% Compliance															
90	1	1.05	1.8	3.82	5.43	28	27	31	38	38	132	124	138	165	163
80	1	1.05	1.52	2.39	4.15	26	23	25	26	28	133	111	111	116	121
70	1	1.03	1.29	1.79	2.99	22	20	20	20	21	116	95	91	89	87
60	1	1.01	1.2	1.43	2.48	20	18	18	18	19	107	86	80	79	74
50	1	1.00	1.11	1.26	1.8	19	17	17	17	17	101	80	75	70	67
Community sequestering															
% Compliance															
90	1	1.02	1.78	2.98	4.95	63	49	58	74	91	70	54 †	65 †	83	101
80	1	1.05	1.65	3.52	5.64	102	88	96	114	125	127	111	119	143	156
70	1	1.05	1.54	2.53	4.79	87	77	77	82	88	124	109	110	117	126
60	1	1.02	1.29	2.1	3.46	68	56	55	55	53	113	93	91	91	89
50	1	1.01	1.23	1.42	2.19	51	43	40	37	36	102	86	79	74	71

*PSI, pandemic severity index; rescinding threshold, strategy ends when 0, 1, 2, or 3 new cases occur in 7 days (2× the generation time of influenza); Cont, strategy continuation for the duration of the epidemic. Values in **boldface** meet targets in the Table. Averages are for 100 simulations.

†Meets all 6 targets in the Table superimposed on shortest duration of strategies.