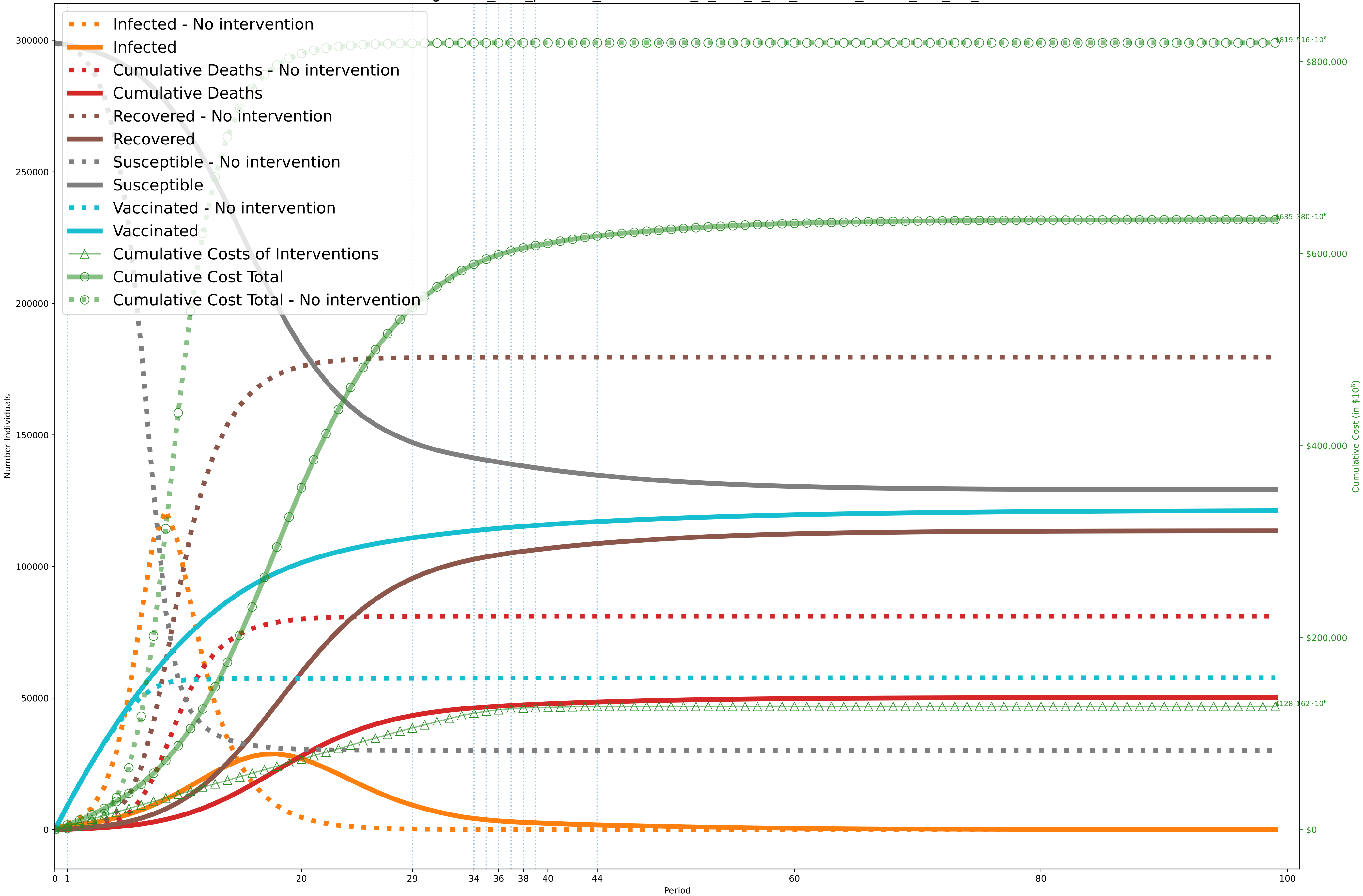


Objective: \$635,380,465,906; without intervention: \$819,516,110,995 (Desired optimality gap: 80%; actual: 79%. Lower Bound: \$132,018,000,000. Time to solve: 32s)

$C^I = \$10,000, C^D = \$10,000,000$

One Period=7 days (costs scaled by 1,000,000 during optimization)

Solved using solve_and_process_vaccination_T_vax_1_S0_antivax_factor_0.4_KV_0.05



	1 -28	29 -33	34 -34	35 -35	36 -36	37 -37	38 -38	39 -43	44 -99
0. Movement A: \$[5000 ,10000]·10 ² B: \$[10000,20000]·10 ² C: \$[10 ,14]·10 ² P: [.95 ,.93]	2	2							
1. Education (University level) A: \$[0 ,0]·10 ² B: \$[0 ,0]·10 ² C: \$[10 ,14]·10 ² P: [.99 ,.95]	2								
2. Social Gatherings (in a house) A: \$[0 ,0 ,0 ,0]·10 ² B: \$[0 ,0 ,0 ,0]·10 ² C: \$[8 ,10 ,12 ,14]·10 ² P: [.99 ,.99 ,.97 ,.93]	4	4	4	4	4	4			
3. Non-Food Service (bank,retail, etc) A: \$[2500 ,5000 ,10000]·10 ² B: \$[5000 ,10000,20000]·10 ² C: \$[8 ,10 ,14]·10 ² P: [.99 ,.95 ,.93]	3	3	3	3					
4. Restaurants A: \$[5000 ,10000]·10 ² B: \$[10000,20000]·10 ² C: \$[10 ,14]·10 ² P: [.95 ,.93]	2	2							
5. Masking A: \$[0 ,0 ,0]·10 ² B: \$[0 ,0 ,0]·10 ² C: \$[8 ,10 ,14]·10 ² P: [.99 ,.95 ,.93]	3	3	3	3	3				
6. Mega Events A: \$[2500 ,5000 ,10000]·10 ² B: \$[5000 ,10000,20000]·10 ² C: \$[8 ,10 ,14]·10 ² P: [.99 ,.95 ,.93]	3	3	3	3					
7. Border Control A: \$[5000 ,10000]·10 ² B: \$[10000,20000]·10 ² C: \$[10 ,14]·10 ² P: [.95 ,.93]	2	2	2	2	2				
8. Physical Distancing A: \$[0]·10 ² B: \$[0]·10 ² C: \$[10]·10 ² P: [.93]	1	1	1	1	1	1	1		
Cost Per Period: TOTAL Cost Per Period: POLICY Cost Per Period: DISEASE Probability Factor	\$1.9e+10 \$3.7e+09 \$1.5e+10 0.509	\$1e+10 \$3.2e+09 \$7e+09 0.536	\$6.5e+ \$5.5e+ \$4.6e+ \$3.8e+ \$3.1e+ \$2.2e+09 \$2.4e+ \$2e+09 \$1.6e+ \$1.1e+ \$7.2e+ \$3e+08 \$4.1e+ \$3.5e+ \$3e+09 \$2.7e+ \$2.4e+ \$1.9e+09 0.626 0.677 0.732 0.791 0.856 0.925						\$3.3e+08 \$0.0 \$3.3e+08 1.000