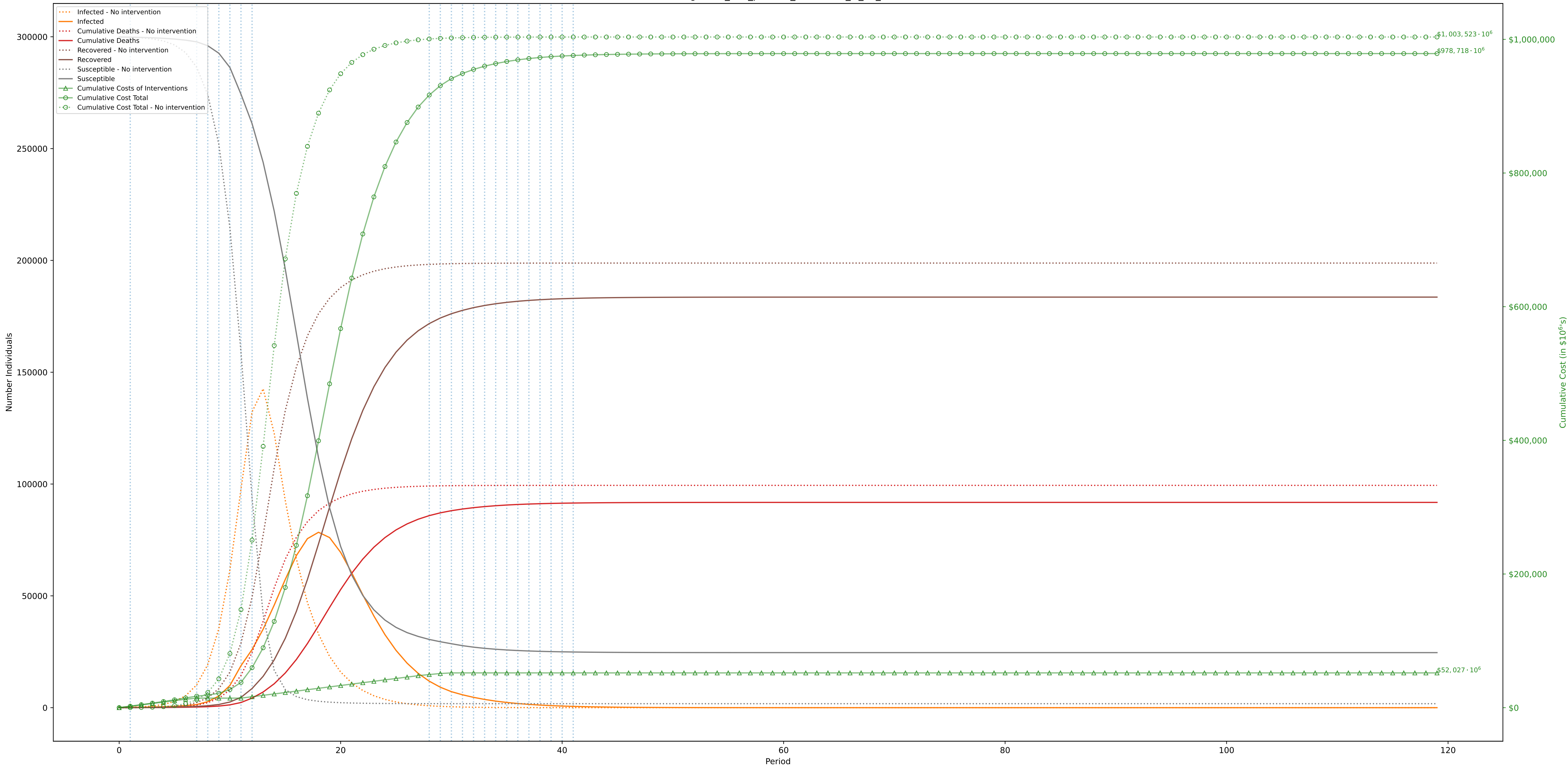


Objective: \$978,718,585,653; without intervention: \$1,003,523,874,292 (Desired optimality gap: 50%; actual: 33%. Time to solve: 0s)

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

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

Solved using solve\_and\_process\_lookahead\_w\_30\_truncate



	1 -6	7 -7	8 -8	9 -9	10 -10	11 -11	12 -12	28 -28	29 -29	30 -30	31 -31	32 -32	33 -33	34 -34	35 -35	36 -36	37 -37	38 -38	39 -39	40 -40	41 -119
0. Movement A: \$1500 ,1000 1:10 <sup>2</sup> B: \$150 ,14 1:10 <sup>2</sup> C: \$150 ,14 1:10 <sup>2</sup> P: [.93 ,.9 ]	2	2	4	3	3	2	2	2	2	1	4	4	4	4	4	4	3	3	3	4	
1. Education (University level) A: \$10 ,.9 1:10 <sup>2</sup> B: \$10 ,.14 1:10 <sup>2</sup> C: \$10 ,.14 1:10 <sup>2</sup> P: [.99 ,.93 ]	2	4	3			3	2	4		3	3	3	4				3	4	4	3	
2. Social Gatherings (in a house) A: \$10 ,.9 ,.9 1:10 <sup>2</sup> B: \$10 ,.10 ,.12 ,.14 1:10 <sup>2</sup> C: \$10 ,.10 ,.12 ,.14 1:10 <sup>2</sup> P: [.99 ,.97 ,.95 ,.9 ]	4	4					4	4	4												
3. Non-Food Service (bank, retail, etc) A: \$1250 ,500 ,1000 1:10 <sup>2</sup> B: \$1250 ,500 ,1000 1:10 <sup>2</sup> C: \$1250 ,500 ,1000 1:10 <sup>2</sup> P: [.99 ,.93 ,.9 ]	3	3		4	4		3	3	2	2	4					4	4			4	
4. Restaurants A: \$1500 ,1000 1:10 <sup>2</sup> B: \$150 ,14 1:10 <sup>2</sup> C: \$150 ,14 1:10 <sup>2</sup> P: [.93 ,.9 ]	2	2	4	3	4		2	2	2	1	4		3	4			4	4			4
Cost Per Period: TOTAL Cost Per Period: POLICY Cost Per Period: DISEASE Probability Factor	\$2.4e+09 \$2.4e+09 \$3.3e+08 0.607	\$2.7e+09 \$2.7e+09 \$9.8e+08 0.656	\$1.5e+09 \$1.5e+09 \$1.5e+09 1.000	\$2.9e+09 \$2.9e+09 \$2.9e+09 1.000	\$5.6e+09 \$5.6e+09 \$5.6e+09 1.000	\$1.1e+10 \$1.1e+10 \$1.1e+10 1.000	\$5.4e+10 \$5.4e+10 \$5.4e+10 0.607	\$1.9e+10 \$1.9e+10 \$1.9e+10 0.656	\$1.4e+10 \$1.4e+10 \$1.4e+10 0.674	\$1.1e+10 \$1.1e+10 \$1.1e+10 0.791	\$7.6e+09 \$7.6e+09 \$7.6e+09 1.000	\$6.1e+09 \$6.1e+09 \$6.1e+09 1.000	\$4.9e+09 \$4.9e+09 \$4.9e+09 1.000	\$3.9e+09 \$3.9e+09 \$3.9e+09 1.000	\$3.1e+09 \$3.1e+09 \$3.1e+09 1.000	\$2.5e+09 \$2.5e+09 \$2.5e+09 1.000	\$2e+09 \$2e+09 \$2e+09 1.000	\$1.6e+09 \$1.6e+09 \$1.6e+09 1.000	\$1.2e+09 \$1.2e+09 \$1.2e+09 1.000	\$9.7e+08 \$9.7e+08 \$9.7e+08 1.000	\$4.6e+07 \$4.6e+07 \$4.6e+07 1.000