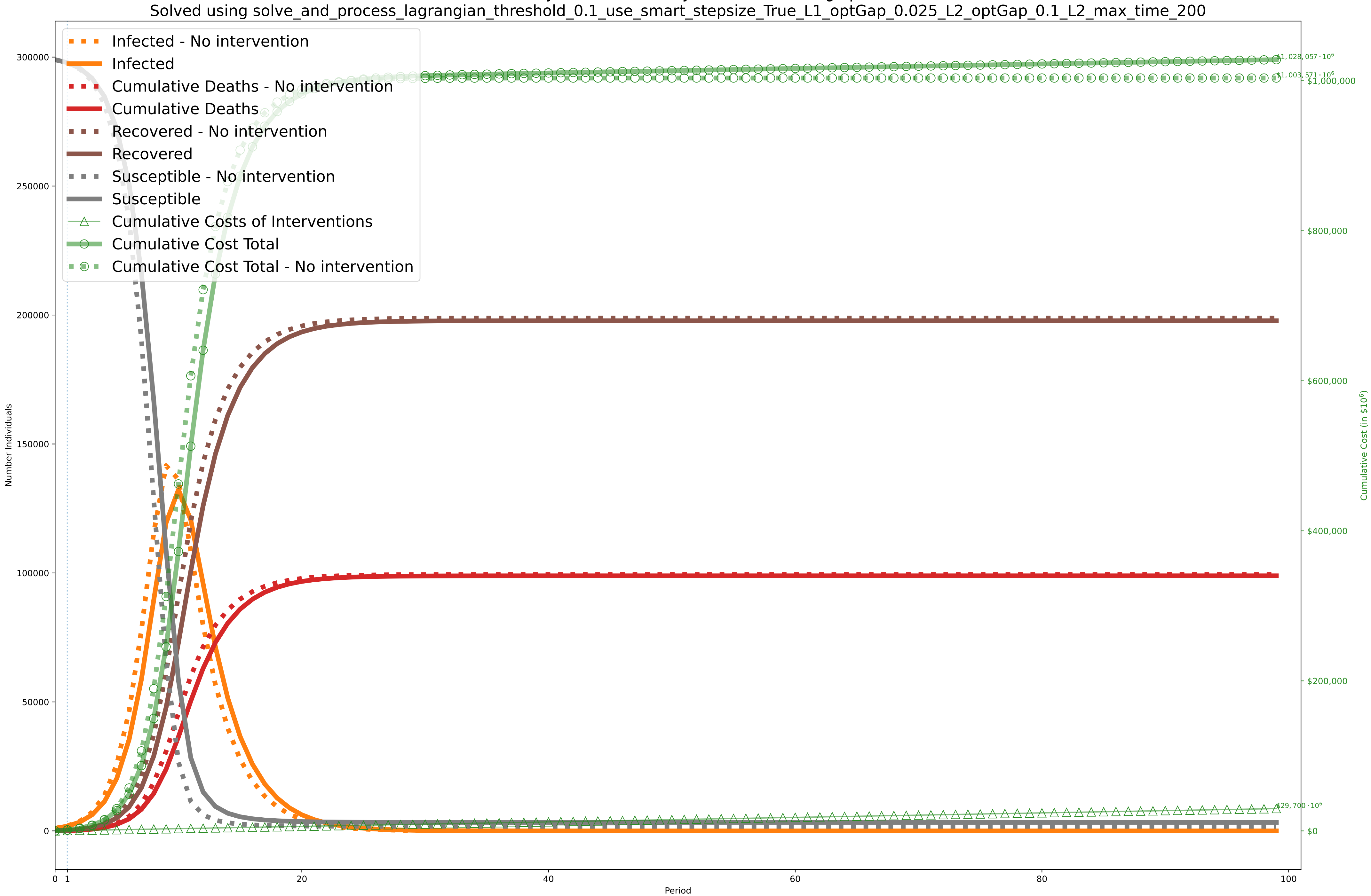


Objective: \$1,028,057,219,556; without intervention: \$1,003,571,304,682 (Desired optimality gap: 1%; actual: 9%. Lower Bound: \$933,834,000,000. Time to solve: 110s)  
 $C^I = \$10,000, C^D = \$10,000,000$

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



	1 -99
0. Movement A: \$[5000 ,10000]·10 <sup>2</sup> B: \$[10000,20000]·10 <sup>2</sup> C: \$[10 ,14 ]·10 <sup>2</sup> P: [.95 ,.93 ]	
1. Education (University level) A: \$[0 ,0 ]·10 <sup>2</sup> B: \$[0 ,0 ]·10 <sup>2</sup> C: \$[10 ,14 ]·10 <sup>2</sup> P: [.99 ,.95 ]	
2. Social Gatherings (in a house) A: \$[0 ,0 ,0 ,0 ]·10 <sup>2</sup> B: \$[0 ,0 ,0 ,0 ]·10 <sup>2</sup> C: \$[8 ,10 ,12 ,14 ]·10 <sup>2</sup> P: [.99 ,.99 ,.97 ,.93 ]	
3. Non-Food Service (bank,retail, etc) A: \$[2500 ,5000 ,10000]·10 <sup>2</sup> B: \$[5000 ,10000,20000]·10 <sup>2</sup> C: \$[8 ,10 ,14 ]·10 <sup>2</sup> P: [.99 ,.95 ,.93 ]	
4. Restaurants A: \$[5000 ,10000]·10 <sup>2</sup> B: \$[10000,20000]·10 <sup>2</sup> C: \$[10 ,14 ]·10 <sup>2</sup> P: [.95 ,.93 ]	
5. Masking A: \$[0 ,0 ,0 ]·10 <sup>2</sup> B: \$[0 ,0 ,0 ]·10 <sup>2</sup> C: \$[8 ,10 ,14 ]·10 <sup>2</sup> P: [.99 ,.95 ,.93 ]	
6. Mega Events A: \$[2500 ,5000 ,10000]·10 <sup>2</sup> B: \$[5000 ,10000,20000]·10 <sup>2</sup> C: \$[8 ,10 ,14 ]·10 <sup>2</sup> P: [.99 ,.95 ,.93 ]	
7. Border Control A: \$[5000 ,10000]·10 <sup>2</sup> B: \$[10000,20000]·10 <sup>2</sup> C: \$[10 ,14 ]·10 <sup>2</sup> P: [.95 ,.93 ]	
8. Physical Distancing A: \$[0 ]·10 <sup>2</sup> B: \$[0 ]·10 <sup>2</sup> C: \$[10 ]·10 <sup>2</sup> P: [.93 ]	1
Cost Per Period: TOTAL Cost Per Period: POLICY Cost Per Period: DISEASE Probability Factor	\$1e+10 \$3e+08 \$1e+10 0.925