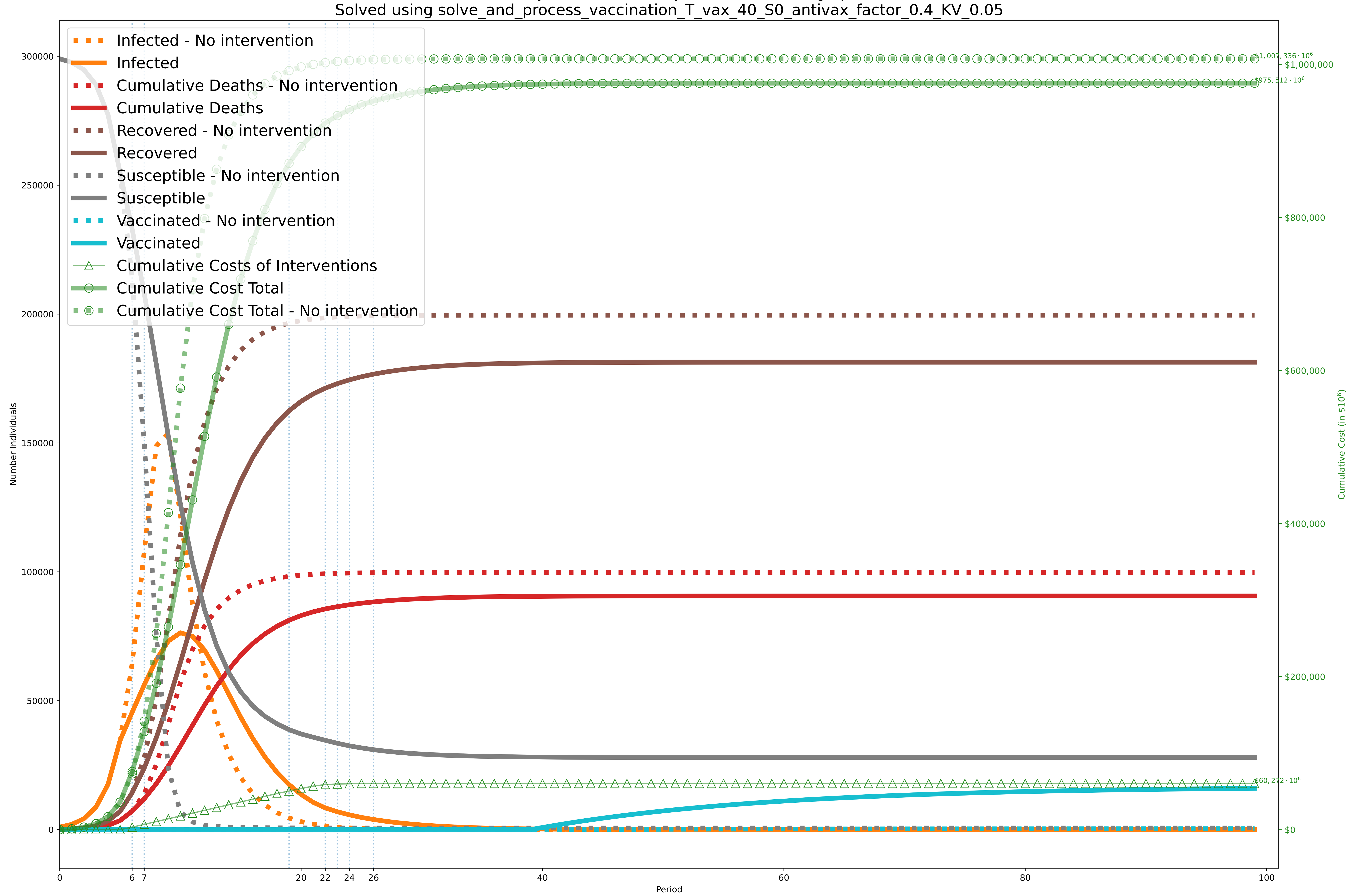
Objective: $\$975,512,578,151$; without intervention: $\$1,007,336,996,814$ (Desired optimality gap: 80%; actual: 77%. Lower Bound: $222,487,000,000. Time to solve: 50s)
$C^I = \$10,000, C^D = \$10,000,000$
One Period=7 days (costs scaled by $1,000,000$ during optimization)
Solved using solve_and_process_vaccination_T_vax_40_S0_antivax_factor_0.4_KV_0.05



	0 -5	6 -6	7 -18	19 -21	22 -22	23 -23	24 -25	26 -99
0. Movement A: $\$[5000\ ,10000]\cdot 10^{2}$ B: $\$[10000,20000]\cdot 10^{2}$ C: $\$[10\ ,14\ ]\cdot 10^{2}$ P: [.95 ,.93]		2	2	2				
1. Education (University level) A: $\$[0\ ,0\ ]\cdot 10^{2}$ B: $\$[0\ ,0\ ]\cdot 10^{2}$ C: $\$[10\ ,14\ ]\cdot 10^{2}$ P: [.99 ,.95]			2					
2. Social Gatherings (in a house) A: $\$[0\ ,0\ ,0\ ,0\ ]\cdot 10^{2}$ B: $\$[0\ ,0\ ,0\ ,0\ ]\cdot 10^{2}$ C: $\$[8\ ,10\ ,12\ ,14\ ]\cdot 10^{2}$ P: [.99 ,.99 ,.97 ,.93]		4	4	4	4	4		
3. Non-Food Service (bank,retail, etc) A: $\$[2500\ ,5000\ ,10000]\cdot 10^{2}$ B: $\$[5000\ ,10000,20000]\cdot 10^{2}$ C: $\$[8\ ,10\ ,14\ ]\cdot 10^{2}$ P: [.99 ,.95 ,.93]		3	3	3				
4. Restaurants A: $\$[5000\ ,10000]\cdot 10^{2}$ B: $\$[10000,20000]\cdot 10^{2}$ C: $\$[10\ ,14\ ]\cdot 10^{2}$ P: [.95 ,.93]		2	2	2	2			
5. Masking A: $\$[0\ ,0\ ,0\ ]\cdot 10^{2}$ B: $\$[0\ ,0\ ,0\ ]\cdot 10^{2}$ C: $\$[8\ ,10\ ,14\ ]\cdot 10^{2}$ P: [.99 ,.95 ,.93]		3	3	3	3			
6. Mega Events A: $\$[2500\ ,5000\ ,10000]\cdot 10^{2}$ B: $\$[5000\ ,10000,20000]\cdot 10^{2}$ C: $\$[8\ ,10\ ,14\ ]\cdot 10^{2}$ P: [.99 ,.95 ,.93]		3	3	3				
7. Border Control A: $\$[5000\ ,10000]\cdot 10^{2}$ B: $\$[10000,20000]\cdot 10^{2}$ C: $\$[10\ ,14\ ]\cdot 10^{2}$ P: [.95 ,.93]		2	2	2	2			
8. Physical Distancing A: $\$[0\ ]\cdot 10^{2}$ B: $\$[0\ ]\cdot 10^{2}$ C: $\$[10\ ]\cdot 10^{2}$ P: [.93]		1	1	1	1	1	1	
Cost Per Period: TOTAL **Cost Per Period: POLICY** **Cost Per Period: DISEASE** **Probability Factor**	\$6e+09 \$0.0 \$6e+09 1.000	\$4e+10 \$3.3e+ \$3.7e+ 0.536	\$6.4e+10 \$3.7e+09 \$6e+10 0.509	\$2.2e+10 \$3.2e+09 \$1.9e+10 0.536	\$1.3e+ \$2e+09 \$1.1e+ 0.677	\$9.7e+ \$7.2e+ \$8.9e+ 0.856	\$7e+09 \$3e+08 \$6.7e+ 0.925	\$3.8e+08 \$0.0 \$3.8e+08 1.000