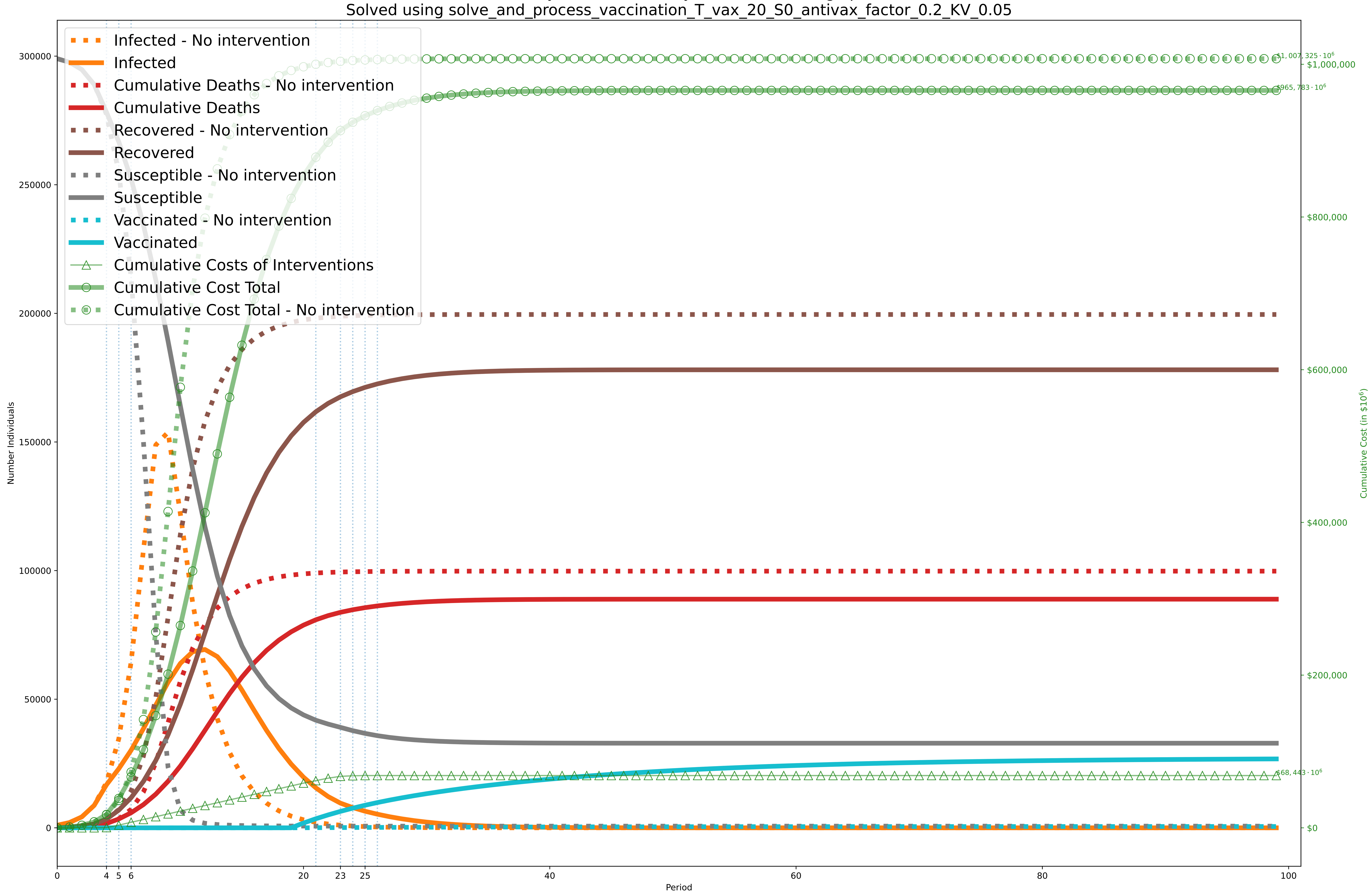
Objective: $965, 783, 540, 256; without intervention: $1, 007, 325, 056, 152 (Desired optimality gap: 80%; actual: 77%. Lower Bound: $222,316,000,000. Time to solve: 40s)
$C^I = \$10,000, C^D = \$10,000,000$
One Period=7 days (costs scaled by 1,000,000 during optimization)
Solved using solve_and_process_vaccination_T_vax_20_S0_antivax_factor_0.2_KV_0.05



	0 -3	4 -4	5 -5	6 -20	21 -22	23 -23	24 -24	25 -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	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	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				
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	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				
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	1	
Cost Per Period: TOTAL **Cost Per Period: POLICY** **Cost Per Period: DISEASE** **Probability Factor**	$2e+09 $0.0 $2e+09 1.000	$9.6e+ $3e+08 $9.3e+ 0.925	$2.1e+ $3.3e+ $1.8e+ 0.536	$5.4e+10 $3.7e+09 $5.1e+10 0.509	$2.2e+ $3.2e+ $1.9e+ 0.536	$1.5e+ $2.4e+ $1.3e+ 0.626	$1.1e+ $7.2e+ $1e+10 0.856	$8.5e+ $3e+08 $8.2e+ 0.925	$4.5e+08 $0.0 $4.5e+08 1.000