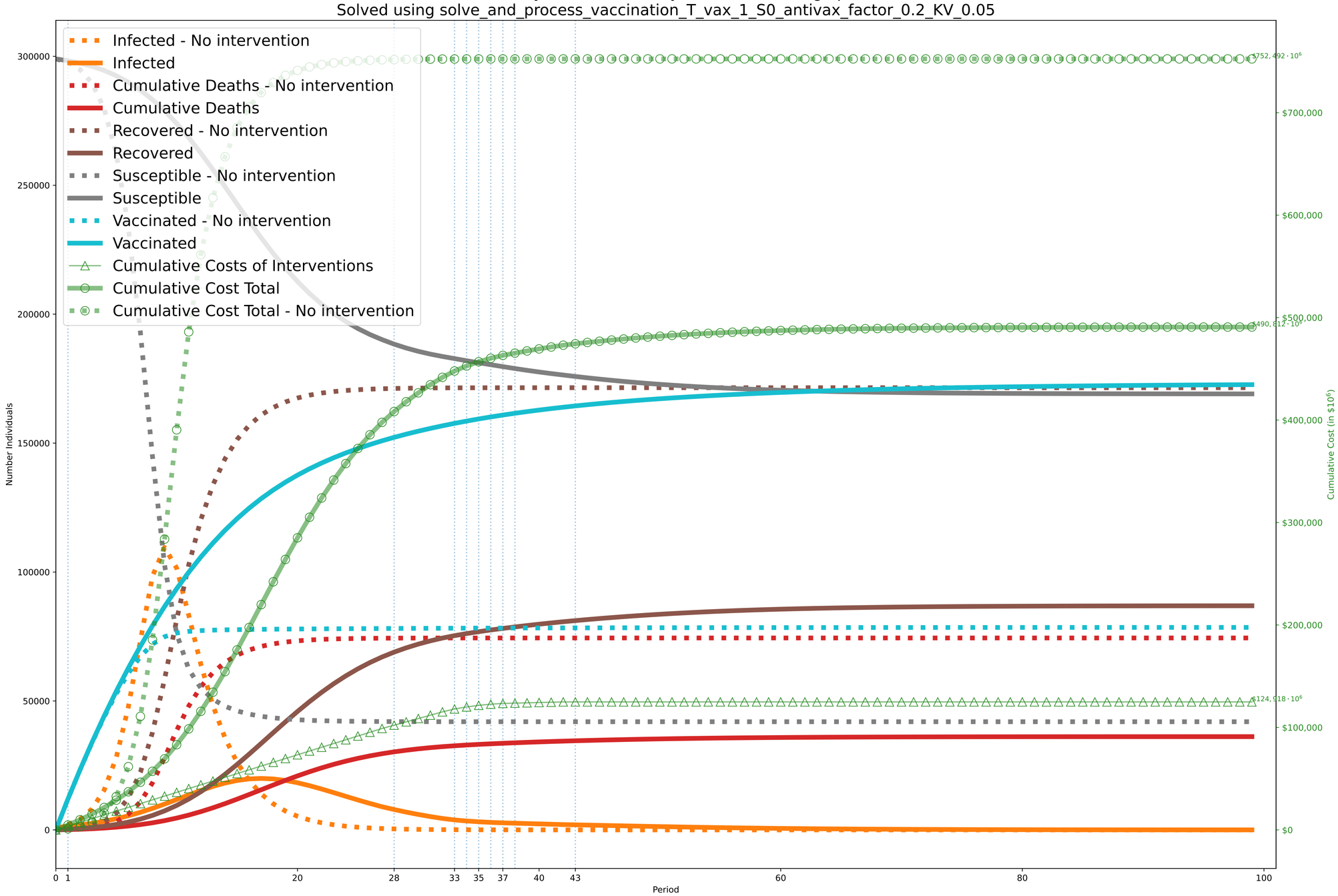
Objective: $490,812,536,401; without intervention: $752,492,232,143 (Desired optimality gap: 80%; actual: 75%. Lower Bound: $121,616,000,000. Time to solve: 36s)
$C^I = \$10,000, C^D = \$10,000,000$
One Period=7 days (costs scaled by $1,000,000$ during optimization)
Solved using solve_and_process_vaccination_T_vax_1_S0_antivax_factor_0.2_KV_0.05



	1 -27	28 -32	33 -33	34 -34	35 -35	36 -36	37 -37	38 -42	43 -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	3				
4. Restaurants A: $[5000 ,10000]·10^2$ B: $[10000,20000]·10^2$ C: $[10 ,14]·10^2$ P: [.95 ,.93]	2	2	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	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						
8. Physical Distancing A: $[0]·10^2$ B: $[0]·10^2$ C: $[10]·10^2$ P: [.93]	1	1	1	1	1	1	1	1	
Cost Per Period: TOTAL **Cost Per Period: POLICY** **Cost Per Period: DISEASE** **Probability Factor**	$1.5e+10 $3.7e+09 $1.1e+10 0.509	$8.8e+09 $3.2e+09 $5.5e+09 0.536	$6.2e+ $2.8e+ $3.4e+ 0.579	$4.9e+ $2e+09 $2.9e+ 0.677	$4.1e+ $1.6e+ $2.6e+ 0.732	$3.4e+ $1.1e+ $2.3e+ 0.791	$2.8e+ $7.2e+ $2.1e+ 0.856	$2e+09 $3e+08 $1.7e+09 0.925	$3.1e+08 $0.0 $3.1e+08 1.000