

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

The graph illustrates the impact of an intervention on the number of individuals and cumulative costs over 120 periods. The left y-axis represents the number of individuals (0 to 300,000), and the right y-axis represents cumulative cost in millions of dollars (0 to 1.00). The x-axis represents the period (0 to 120).

Number of Individuals (Left Y-Axis):

- Susceptible (No intervention):** Dotted grey line, starts at 300,000 and decreases to approximately 65,000 by period 120.
- Susceptible (Intervention):** Solid grey line, starts at 300,000 and decreases to approximately 65,000 by period 120.
- Infected (No intervention):** Dotted orange line, peaks at approximately 140,000 around period 12 and then declines to near zero by period 20.
- Infected (Intervention):** Solid orange line, peaks at approximately 55,000 around period 12 and then declines to near zero by period 20.
- Recovered (No intervention):** Dotted red line, starts at 0 and increases to approximately 195,000 by period 20, remaining constant thereafter.
- Recovered (Intervention):** Solid red line, starts at 0 and increases to approximately 155,000 by period 120.
- Cumulative Deaths (No intervention):** Dotted red line, starts at 0 and increases to approximately 100,000 by period 20, remaining constant thereafter.
- Cumulative Deaths (Intervention):** Solid red line, starts at 0 and increases to approximately 75,000 by period 120.

Cumulative Costs (Right Y-Axis):

- Cumulative Costs of Interventions:** Green line with triangles, starts at 0 and increases to approximately \$101.52 million by period 120.
- Cumulative Cost Total (No intervention):** Green line with circles, starts at 0 and increases to approximately \$1,000.523 million by period 120.

	0 -9	10 -10	11 -11	12 -25	26 -27	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 -41	42 -42	43 -43	44 -45	46 -59	60 -119
0. Movement A: \$[500 ,1000]·10 ² C: \$[10 ,14]·10 ² P: [.93 ,.9]		1	2	2	2	2	2	2	2	2	2	1		1	1	1	1							
1. Education (University level) A: \$[0 ,0]·10 ² C: \$[10 ,14]·10 ² P: [.99 ,.93]				2																				
2. Social Gatherings (in a house) A: \$[0 ,0 ,0 ,0]·10 ² C: \$[8 ,10 ,12 ,14]·10 ² P: [.99 ,.97 ,.95 ,.9]			4	4	4	4	4	4	4	4	4	4												
3. Non-Food Service (bank,retail, etc) A: \$[250 ,500 ,1000]·10 ² C: \$[8 ,10 ,14]·10 ² P: [.99 ,.93 ,.9]		2	3	3	3	3	3	3	2	3	2	2	2	2	2	2	2		2	2				
4. Restaurants A: \$[500 ,1000]·10 ² C: \$[10 ,14]·10 ² P: [.93 ,.9]		1	2	2	2	2	2	2	1	1		1	1	1		1								
5. Masking A: \$[0 ,0 ,0]·10 ² C: \$[8 ,10 ,14]·10 ² P: [.99 ,.93 ,.9]		2	2	3	3	2	2	2	2	3	3	2		2	2	2	2	2	2	2	2			
6. Mega Events A: \$[250 ,500 ,1000]·10 ² C: \$[8 ,10 ,14]·10 ² P: [.99 ,.93 ,.9]		2	3	3	3	3	2	3	2	3	2	2	2	2	2			2	2					
7. Border Control A: \$[500 ,1000]·10 ² C: \$[10 ,14]·10 ² P: [.93 ,.9]			2	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1		1	1	1		
8. Physical Distancing A: \$[0]·10 ² C: \$[10]·10 ² P: [.9]		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1
Cost Per Period: TOTAL Cost Per Period: POLICY Cost Per Period: DISEASE Probability Factor	\$4.3e+09 \$0.0 \$4.3e+09 1.000	\$3.9e+0 \$1.8e+0 \$3.9e+0 0.609	\$5.3e+2 \$3.1e+0 \$5e+10 0.442	\$4.3e+10 \$3.7e+09 \$4e+10 0.398	\$1.5e+3 \$3.2e+0 \$3.1e+09 0.430	\$1.2e+2 \$3.2e+0 \$7.2e+0 0.442	\$1e+10 \$3e+09 \$6e+09 0.455	\$9.2e+0 \$2.8e+0 \$5e+09 0.480	\$7.8e+0 \$2.8e+0 \$5e+09 0.455	\$7.2e+0 \$2.6e+0 \$3e+09 0.505	\$6.1e+0 \$2.5e+0 \$3e+09 0.507	\$5.5e+0 \$1.5e+0 \$3e+09 0.659	\$4e+09 \$2.3e+0 \$2.3e+0 0.564	\$4.4e+0 \$2.3e+0 \$1.8e+0 0.609	\$3.7e+0 \$1.8e+0 \$1.8e+0 0.609	\$3.5e+0 \$1.5e+0 \$1.5e+0 0.659	\$3e+09 \$1.2e+0 \$1.2e+0 0.712	\$2.5e+0 \$1.2e+0 \$1.2e+0 0.712	\$2.4e+0 \$1.2e+0 \$1.2e+0 0.712	\$2.3e+0 \$1.2e+0 \$1.2e+0 0.770	\$1.9e+0 \$1.5e+0 \$5e+08 0.833	\$1.5e+0 \$3e+08 \$6e+08 0.900	\$2e+08 \$0.0 \$2e+08 1.000	