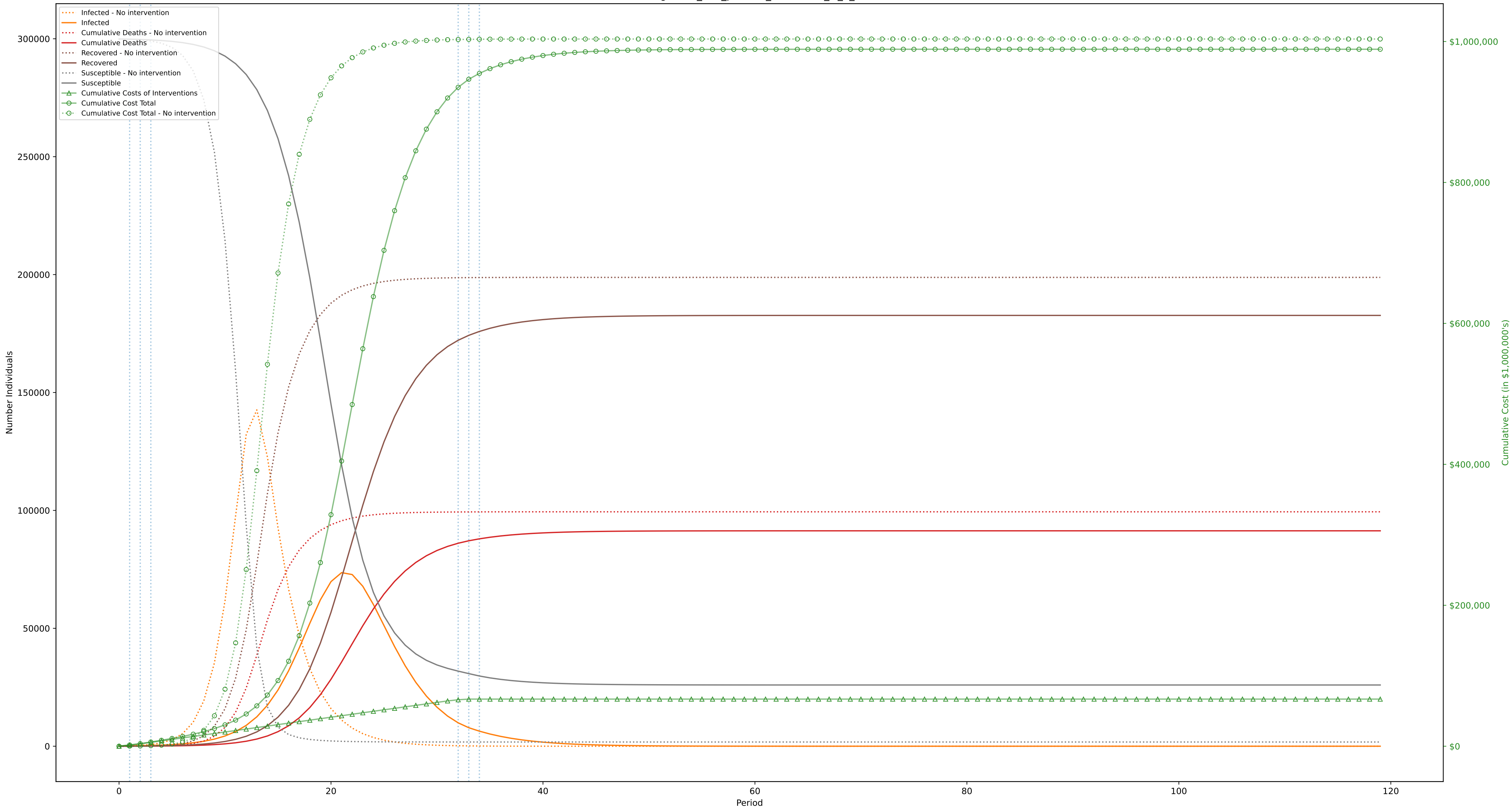


Objective: \$989,001,305,696; without intervention: \$1,003,523,874,292 (Desired optimality gap: 10%; actual: 9%. Time to solve: 0s)

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

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

Solved using solve\_and\_process\_lookahead\_w\_8\_truncate



|   | 1<br>-1                                      | 2<br>-2                                      | 3<br>-31                                     | 32<br>-32                                    | 33<br>-33                                | 34<br>-119                               |
|---|--|--|--|--|--|--|
| 0. Movement<br>A: \$1500 .1000 1-10 <sup>3</sup><br>C: \$10 .14 1-10 <sup>3</sup><br>P: [.93 -.9 ]  | 2  | 2  | 2  | 2  | 1  |  |
| 1. Education (University level)<br>A: \$10 .0 1-10 <sup>3</sup><br>C: \$10 .14 1-10 <sup>3</sup><br>P: [.99 -.93 ]                          | 3  |  | 2  |  |  |  |
| 2. Social Gatherings (in a house)<br>A: \$10 .0 0 1-10 <sup>3</sup><br>C: \$10 .10 .12 .14 1-10 <sup>3</sup><br>P: [.99 -.97 -.95 -.9 ]     | 4  | 4  | 4  | 4  |  |  |
| 3. Non-Food Service (bank, retail, etc)<br>A: \$1250 .250 1000 1-10 <sup>3</sup><br>C: \$10 .10 .14 1-10 <sup>3</sup><br>P: [.99 -.93 -.9 ] | 3  | 3  | 3  | 3  | 2  |  |
| 4. Restaurants<br>A: \$1500 .1000 1-10 <sup>3</sup><br>C: \$10 .14 1-10 <sup>3</sup><br>P: [.93 -.9 ]                                       | 2  | 2  | 2  | 2  | 1  |  |
| Cost Per Period: TOTAL<br>Cost Per Period: POLICY<br>Cost Per Period: DISEASE<br>Probability Factor   | \$1.8e+09<br>\$1.7e+09<br>\$1.2e+09<br>0.656 | \$1.8e+09<br>\$2.4e+09<br>\$1.6e+08<br>0.656 | \$3.2e+10<br>\$2.4e+09<br>\$1.6e+08<br>0.667 | \$1.5e+10<br>\$1.7e+09<br>\$1.4e+10<br>0.656 | \$1.3e+10<br>\$2e+08<br>\$1e+10<br>0.791 | \$4.9e+08<br>\$0.0<br>\$4.9e+08<br>1.000 |