Two strain model output post-processing

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#Summaries

# Unmitigated outbreak

| variant\_emergence\_day | peak\_incidence | outbreak\_size |
| --- | --- | --- |
| 365 | 7669938 | 39831273 |
| 151 | 7670233 | 39832085 |
| 136 | 7671305 | 39835309 |
| 121 | 7677042 | 39852560 |
| 106 | 7708154 | 39944490 |
| 91 | 7870066 | 40381233 |
| 76 | 8538599 | 41716889 |
| 61 | 9987496 | 43478903 |
| 46 | 11308950 | 44551629 |
| 31 | 11981552 | 44996561 |
| 16 | 12247641 | 45158301 |
| 1 | 12343005 | 45214760 |

# Vax only

| variant\_emergence\_day | npi\_intensity | vax\_coverage | vax\_speed | control\_type | peak\_incidence | outbreak\_size |
| --- | --- | --- | --- | --- | --- | --- |
| 365 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 997.8043 |
| 151 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1052.3347 |
| 136 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1052.3501 |
| 121 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1052.3593 |
| 106 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1052.3649 |
| 91 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1053.9281 |
| 76 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1067.6837 |
| 61 | 0 | 0.8 | 3.75 | vax\_only | 216.1237 | 1100.7644 |
| 46 | 0 | 0.8 | 3.75 | vax\_only | 250.8561 | 1174.6308 |
| 31 | 0 | 0.8 | 3.75 | vax\_only | 278.2839 | 1365.6541 |
| 16 | 0 | 0.8 | 3.75 | vax\_only | 387.4760 | 2016.6651 |
| 1 | 0 | 0.8 | 3.75 | vax\_only | 988.0279 | 5384.9455 |
| 365 | 0 | 0.8 | 1.00 | vax\_only | 7682.4972 | 77607.0515 |
| 151 | 0 | 0.8 | 1.00 | vax\_only | 7741.0849 | 78531.2410 |
| 136 | 0 | 0.8 | 1.00 | vax\_only | 7771.1818 | 79095.4800 |
| 121 | 0 | 0.8 | 1.00 | vax\_only | 7832.0341 | 80201.1874 |
| 106 | 0 | 0.8 | 1.00 | vax\_only | 7964.7238 | 82563.9201 |
| 91 | 0 | 0.8 | 1.00 | vax\_only | 8290.7234 | 88124.8438 |
| 76 | 0 | 0.8 | 1.00 | vax\_only | 9229.6414 | 102681.7681 |
| 61 | 0 | 0.8 | 1.00 | vax\_only | 12589.7244 | 145402.5086 |
| 46 | 0 | 0.8 | 1.00 | vax\_only | 25973.4715 | 286058.8279 |
| 31 | 0 | 0.8 | 1.00 | vax\_only | 77531.9978 | 791075.5955 |
| 16 | 0 | 0.8 | 1.00 | vax\_only | 269298.1405 | 2528868.0960 |
| 1 | 0 | 0.8 | 1.00 | vax\_only | 838111.5831 | 6801353.2658 |

# Vax + NPIs

| variant\_emergence\_day | npi\_intensity | vax\_coverage | vax\_speed | control\_type | peak\_incidence | outbreak\_size |
| --- | --- | --- | --- | --- | --- | --- |
| 365 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 997.8043 |
| 151 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1052.3347 |
| 136 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1052.3501 |
| 121 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1052.3593 |
| 106 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1052.3649 |
| 91 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1053.9281 |
| 76 | 0 | 0.8 | 3.75 | vax\_only | 202.0010 | 1067.6837 |
| 61 | 0 | 0.8 | 3.75 | vax\_only | 216.1237 | 1100.7644 |
| 46 | 0 | 0.8 | 3.75 | vax\_only | 250.8561 | 1174.6308 |
| 31 | 0 | 0.8 | 3.75 | vax\_only | 278.2839 | 1365.6541 |
| 16 | 0 | 0.8 | 3.75 | vax\_only | 387.4760 | 2016.6651 |
| 1 | 0 | 0.8 | 3.75 | vax\_only | 988.0279 | 5384.9455 |
| 365 | 0 | 0.8 | 1.00 | vax\_only | 7682.4972 | 77607.0515 |
| 151 | 0 | 0.8 | 1.00 | vax\_only | 7741.0849 | 78531.2410 |
| 136 | 0 | 0.8 | 1.00 | vax\_only | 7771.1818 | 79095.4800 |
| 121 | 0 | 0.8 | 1.00 | vax\_only | 7832.0341 | 80201.1874 |
| 106 | 0 | 0.8 | 1.00 | vax\_only | 7964.7238 | 82563.9201 |
| 91 | 0 | 0.8 | 1.00 | vax\_only | 8290.7234 | 88124.8438 |
| 76 | 0 | 0.8 | 1.00 | vax\_only | 9229.6414 | 102681.7681 |
| 61 | 0 | 0.8 | 1.00 | vax\_only | 12589.7244 | 145402.5086 |
| 46 | 0 | 0.8 | 1.00 | vax\_only | 25973.4715 | 286058.8279 |
| 31 | 0 | 0.8 | 1.00 | vax\_only | 77531.9978 | 791075.5955 |
| 16 | 0 | 0.8 | 1.00 | vax\_only | 269298.1405 | 2528868.0960 |
| 1 | 0 | 0.8 | 1.00 | vax\_only | 838111.5831 | 6801353.2658 |