**Modeling vaccination strategies in an Excel spreadsheet:** **Increasing the rate of vaccination is more effective than increasing the vaccination coverage for containing COVID-19**

**S1 Table**

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**S1 Table.** Specific infection rates (µo) and the associated doubling times (td) for COVID-19 infection in different geographic regions. Note that the intrinsic rate of infection ranges between 0.30 and 0.37 for territories with population densities between 4,000 and 7,000 hab km2.

|  |  |  |  |
| --- | --- | --- | --- |
| **Territory** | **Population density** | **µ** | **td** |
|  | (hab km2) | (day-1) | (day) |
| Sao Paulo; Brazil | ~7,000 | 0.308 | 2.250 |
| Mexico City; México | 6,000 | 0.329 | 2.107 |
| Toronto; Canada | 4,149 | 0.330 | 2.100 |
| Lisbon; Portugal | 5,476 | 0.341 | 2.032 |
| Madrid; Spain | 5,418 | 0.358 | 1.937 |
| London; England | 5,701 | 0.362 | 1.915 |
| Amsterdam; Netherlands | 4,439 | 0.424 | 1.635 |
| NYC; USA | 10,194 | 0.666 | 1.040 |