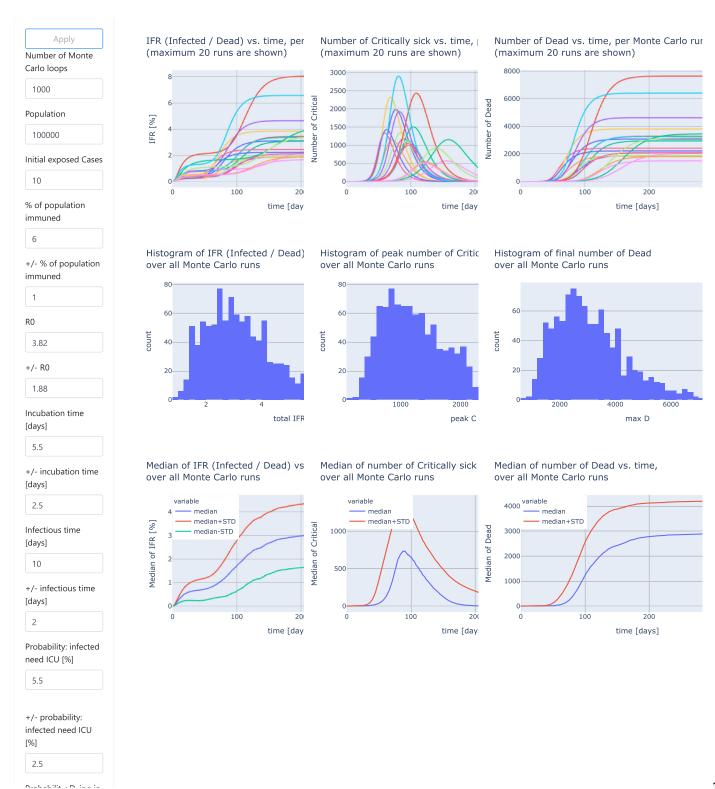
SEIR Monte Carlo model

Interactively change by pressing the blue 'apply' button.

This model is intended to give a feeling how bad an epidemic can get if we "do nothing", meaning R0 stays constant with time. Many parameters have a range of uncertainty, therefore every parameter have an average value and a +/- range, and the Monte Carlo chooses a value in this range, uniformly distributed over the range. This models the basic compartments of Susceptible, Exposed, Infected, Critical, Dead and Recovered. Only the non-immuned population can get exposed. Infected can either become Critical (needing ICU) or Recovered. Critical can become Dead or Recovered.

Note: Looping over many Monte Carlo rounds improves the noise but takes longer. 200 rounds were good for the median graphs, 1000 were needed for good histograms.



Probability: Dying in ICU [%]
32.5
+/- probability: Dying in ICU [%]
7.5
Time: infectious to ICU [days]
8.5
+/- time: infectious to ICU [days]
4
Time to die in ICU [days]
7
+/- time to die in ICU [days]
2
Time to recover in ICU [days]
14
+/- time to recover in ICU [days]
2