

## Proposal: Vaccine resistance or waning immunity?

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Figure 1: Compartmental model of Rella et alia (2021), which modeled Covid-19 epidemic dynamics when the emergence of a vaccine-resistant variant is possible.

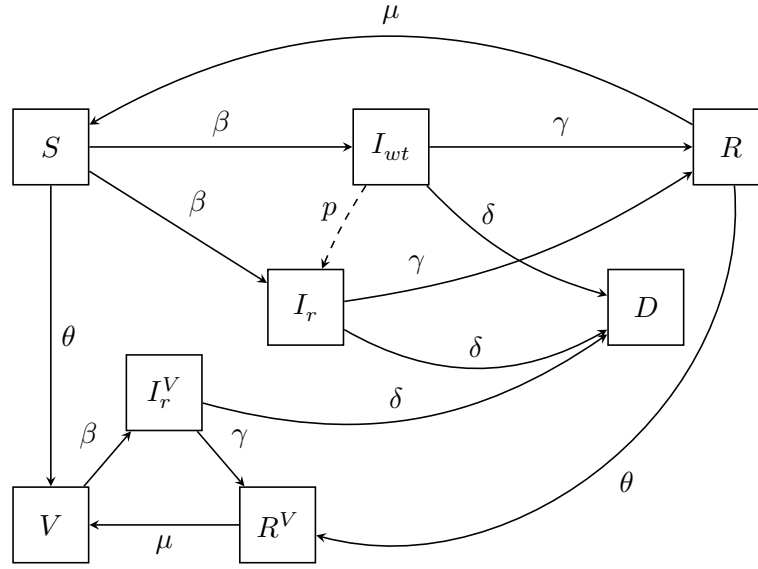


Figure 2: Compartmental model of Rella et alia (2021), extended to allow vaccinated individuals to return to being susceptible.

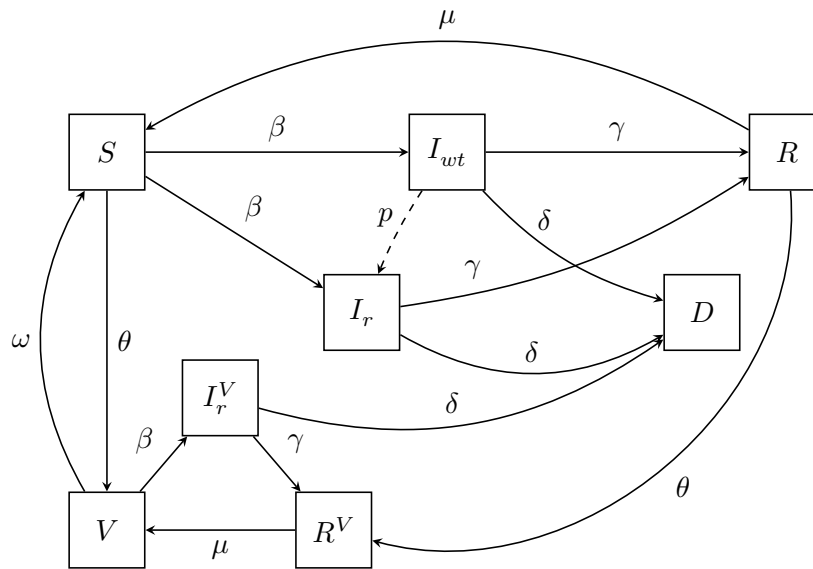


Figure 3: Compartmental model for capturing waning immunity and incomplete vaccination.

