Rift Valley Fever Compartmental Model

Courtney D. Shelley, PhD

2025-06-15

## Full Model

The full compartmental model for Rift Valley Fever models a two-host/two-vector system. Hosts include humans and mammals, each moving through disease progression compartments of susceptible (S), exposed (E), infected (I), and recovered (R). Vaccination ($V\_1$)

## Running Code

When you click the **Render** button a document will be generated that includes both content and the output of embedded code. You can embed code like this:

1 + 1

[1] 2

You can add options to executable code like this

[1] 4

The echo: false option disables the printing of code (only output is displayed).