**Worksheet 4 prompt**

Using the Virginia model, choose **one** of the following potential changes to the model:

* Reduce transmission
  + This would involve modifying pat\_locator$transmission for some or all patches
* Increase recovery rate in some of the patches
  + This would involve modifying pat\_locator$recovery for some or all patches
* Reduce mobility between the patches
  + This would involve modifying movement\_data$movers
* Change where the outbreak begins
  + Here, change the name of the county where transmission starts; in assignment 2 this is “Montgomery”
* Change the transmission of the model to remove immunity
  + Here, you should change recovery\_timestep() so that people return straight to the Suseptible class instead of going to Recovered

Please briefly describe what change you are planning to make

Make this change, and then simulate the spread of disease before and after the change. Plot the number of people infected across all patches (the epidemic curve plot with one line), and then create maps showing the number of people infected after 25 and 100 days of simulation, and paste below. (6 total figures)

Describe in a few sentences how the outbreak changed after you made your changes to the model, and why you think that may have occurred.