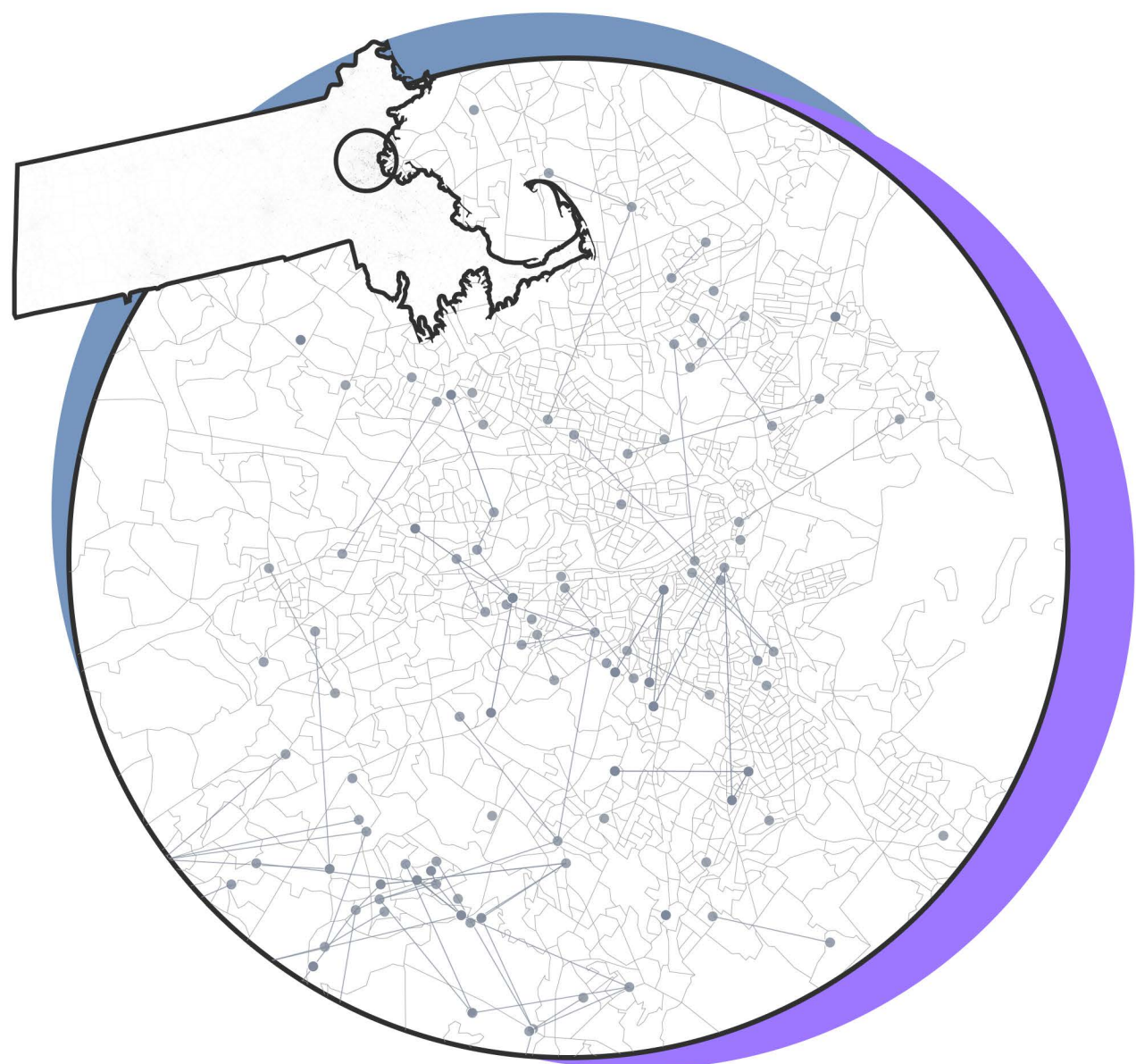


This is what the flu looks like

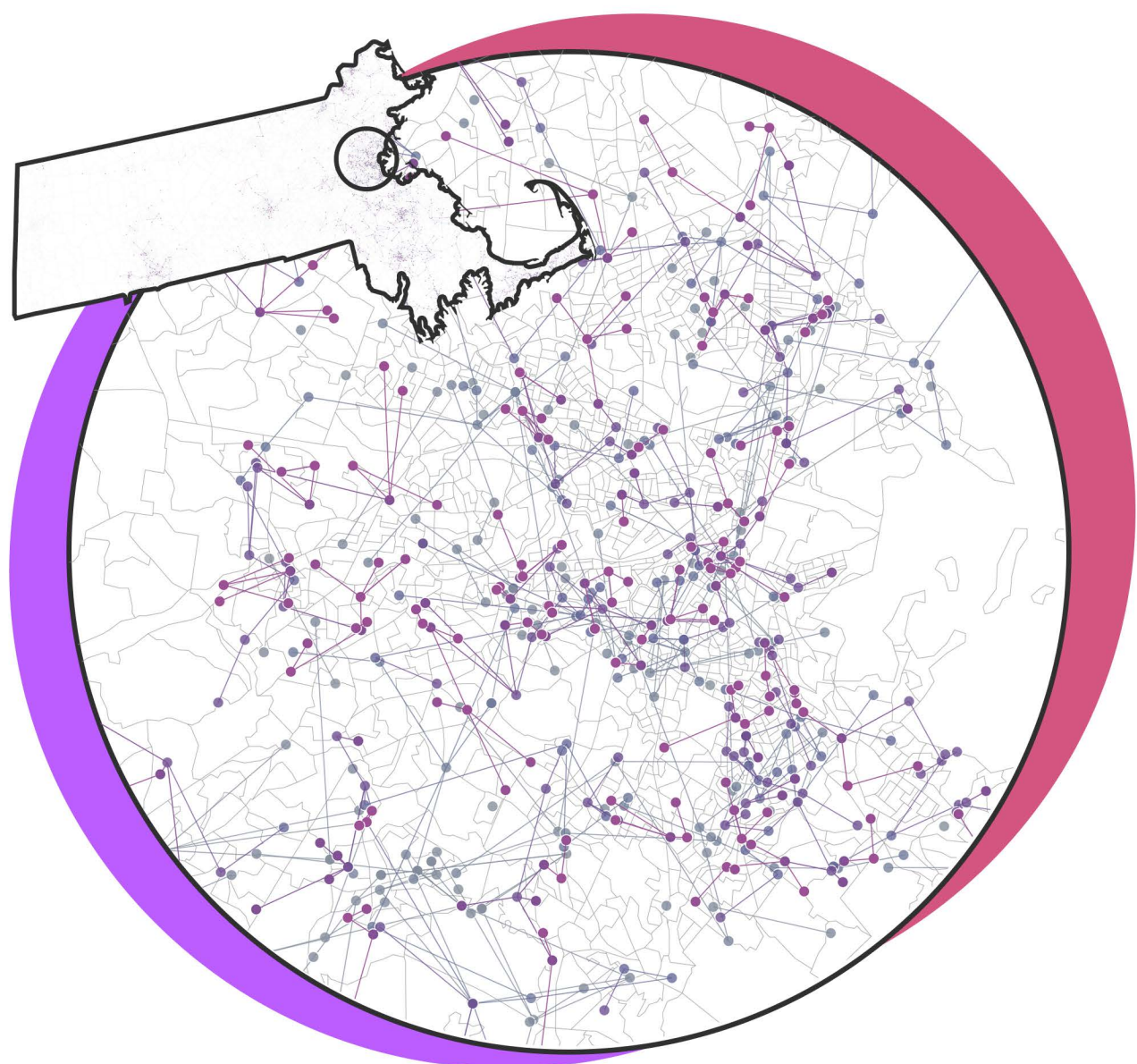
Visualizing the 2017–2019 influenza season in Massachusetts



Thanksgiving • Nov 23, 2017

Cases per 1,000 patients: 0.68
Transmission growth: 10%
Weekly Transmission Growth Rate: 10%
Total Cases: 678
Fatalities: 3

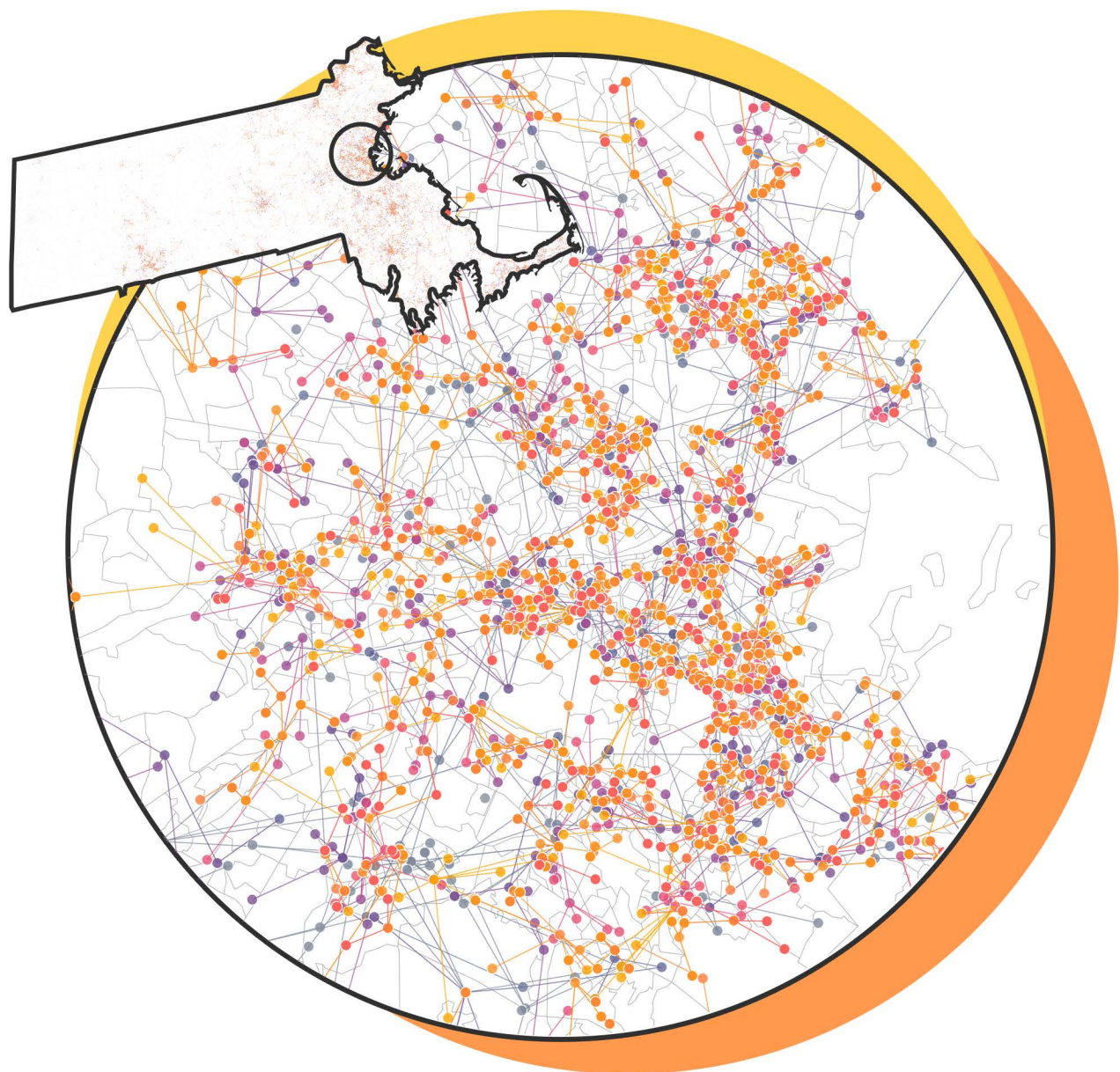
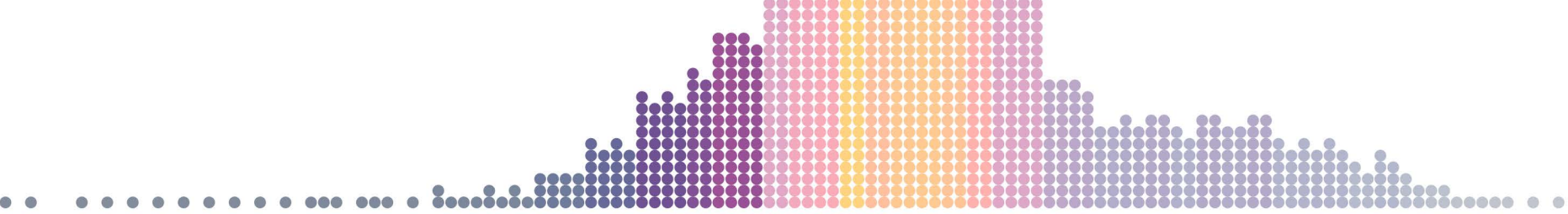
A few cases with very marginal growth.
Predominantly older patients.



New Years • Jan 1, 2018

Cases per 1,000 patients: 3.01
Transmission growth: 1,051%
Infection Rate: 113 cases / day
Total Cases: 2,984
Fatalities: 8

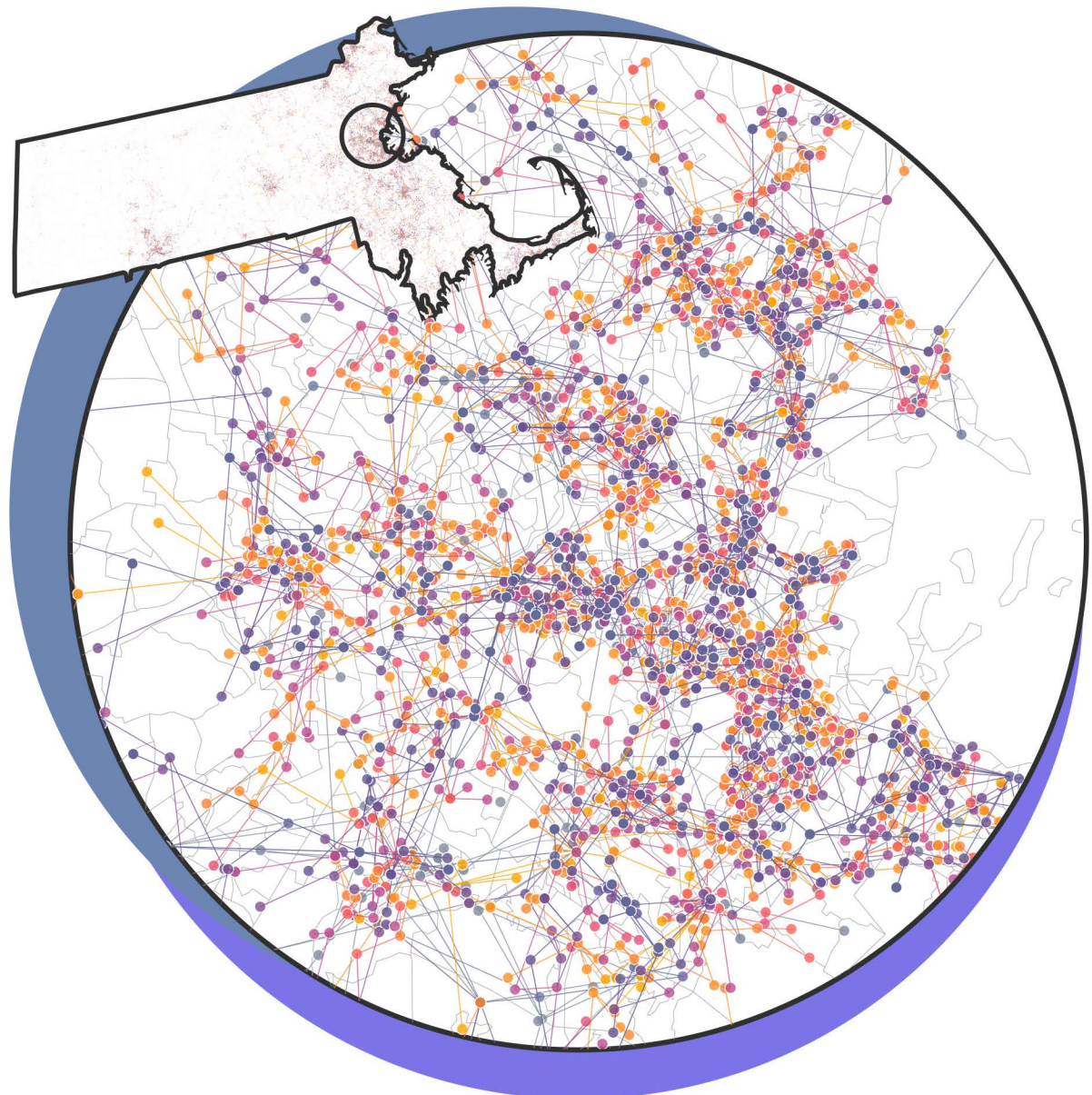
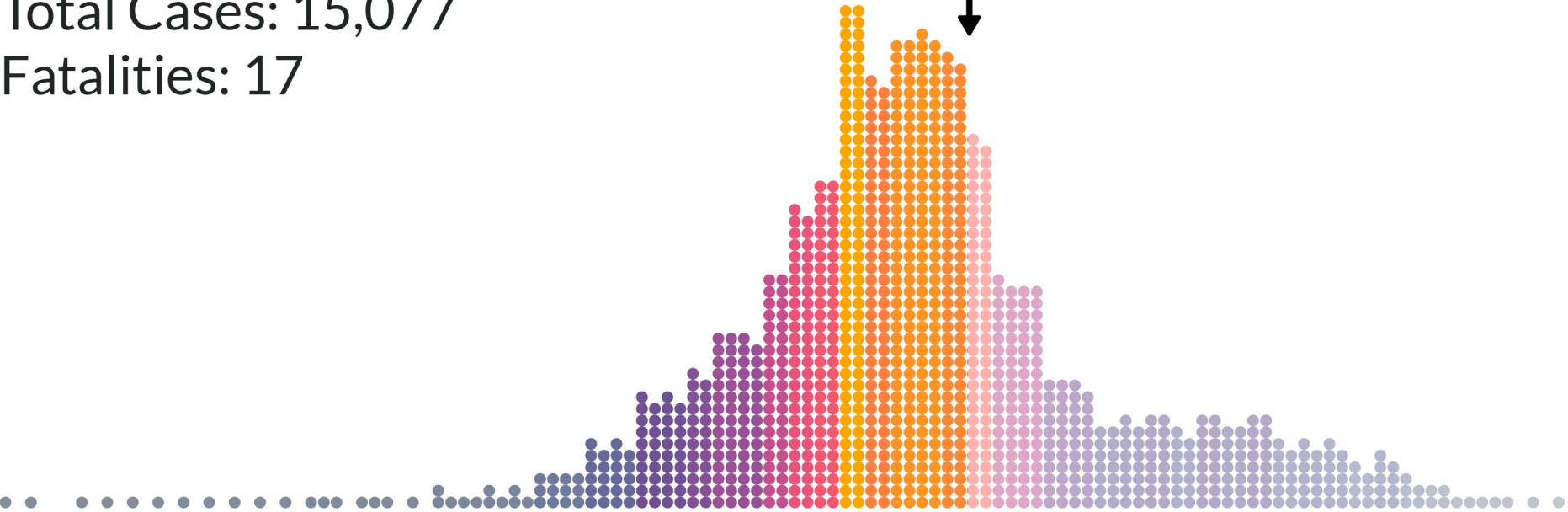
Within 6 weeks the infection rate has
increased an order of magnitude, and rate
of growth continues to climb.



Valentine's Day • Feb 14, 2018

Cases per 1,000 patients: 15.17
Transmission growth: 275%
Infection Rate: 522 cases / day
Total Cases: 15,077
Fatalities: 17

In 6 more weeks we peak at 500+
new cases/day, but the growth rate
of transmissions finally flattens.



Tax Day • April 17, 2018

Cases per 1,000 patients: 22.32
Transmission growth: -87%
Infection Rate: 51 cases / day
Total Cases: 22,180
Fatalities: 31

Within two months infection rates
are down to 50/day and decreasing
every day. 22K people have
contracted known cases.



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