

Office of Governor Philip B. Scott

COVID-19

**VERMONT'S
RESPONSE**



Tuesday Oct. 20, 2020

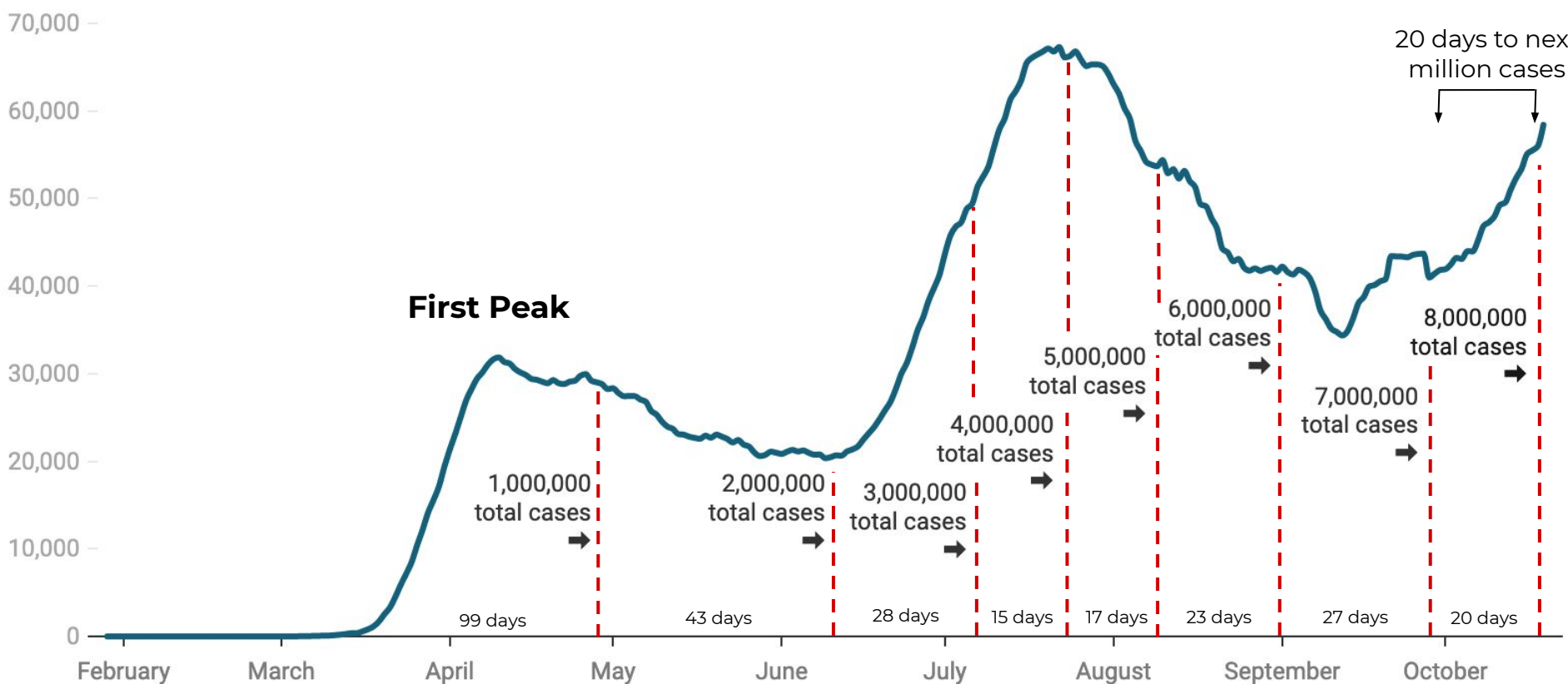
  @GovPhilScott

COVID-19 Modeling

October 20, 2020

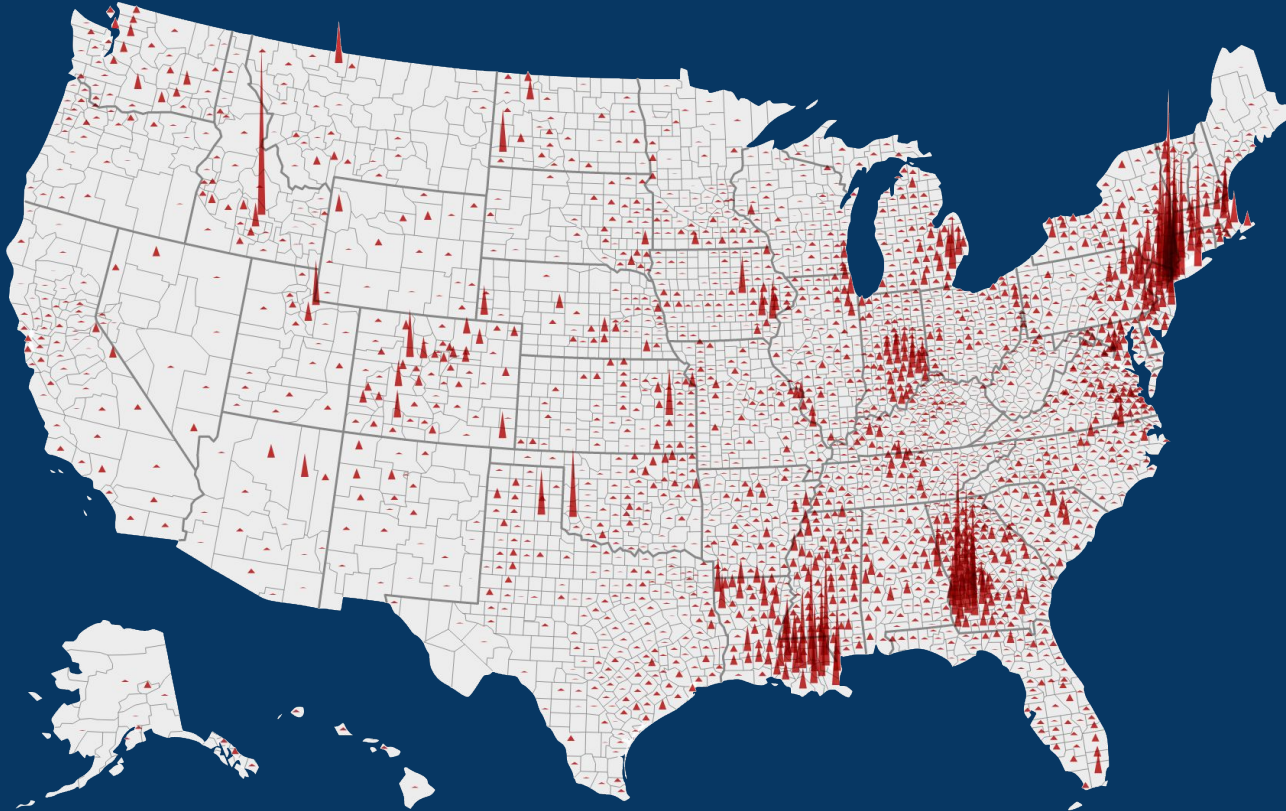
Presentation available at:
dfr.vermont.gov

New confirmed COVID-19 cases per day

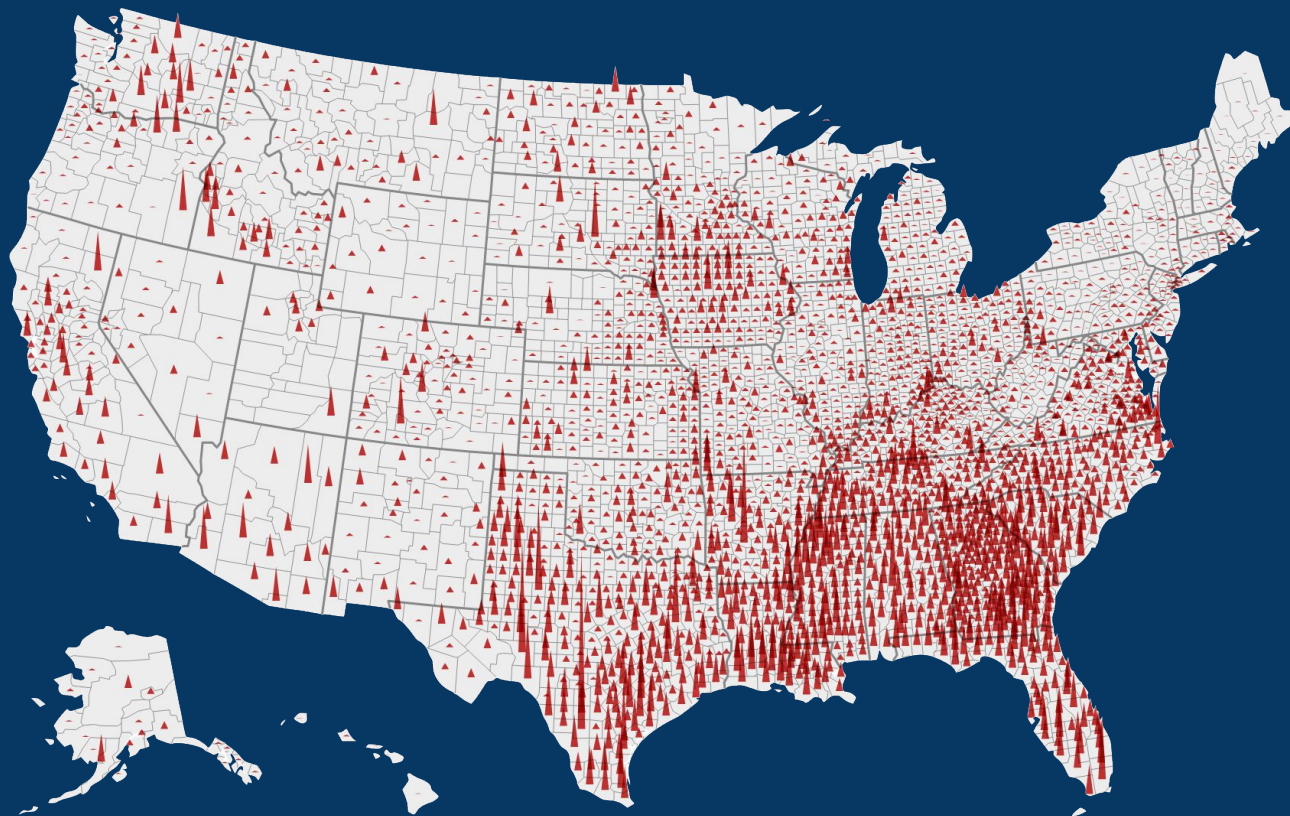


Source: Raw data from Johns Hopkins University—October 20, 2020

First Peak April 10, 2020 Primarily Hitting the Northeast

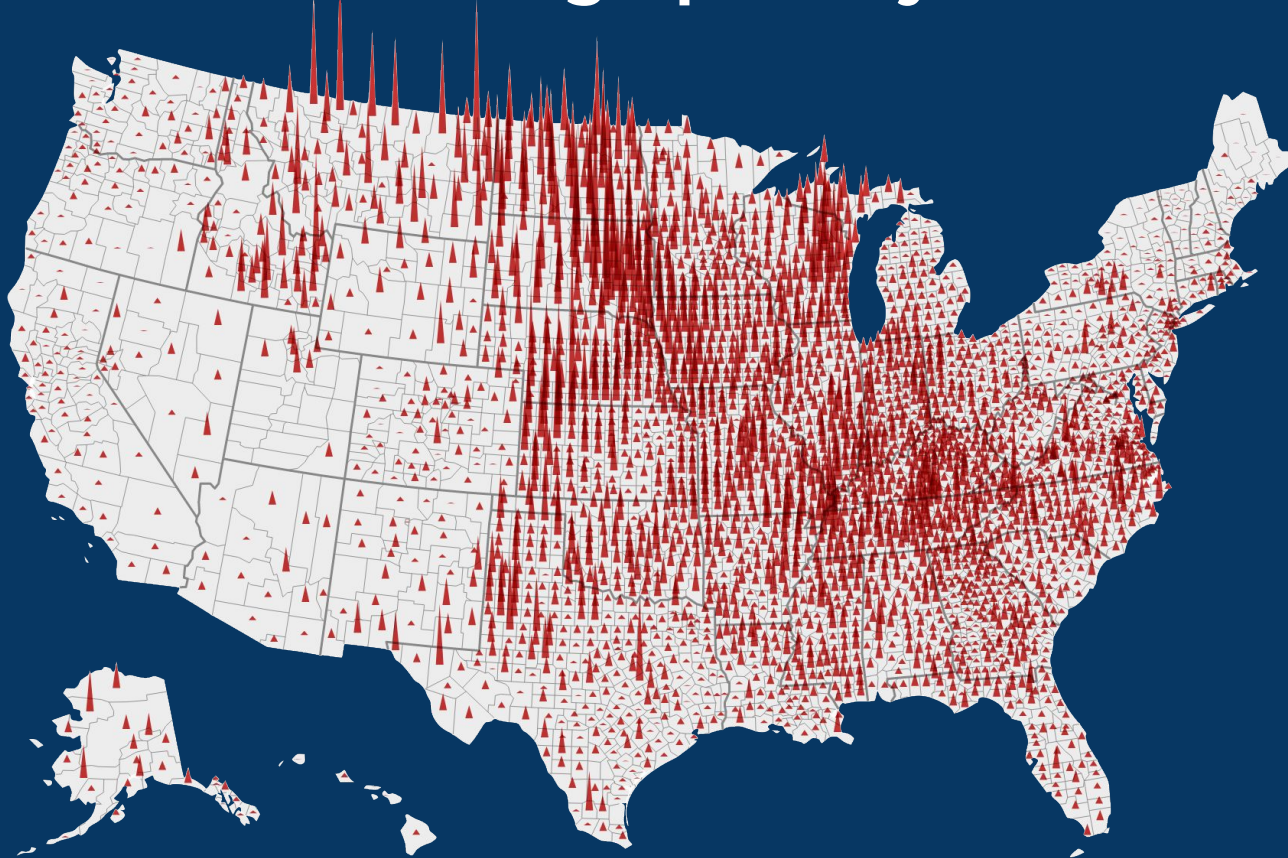


Second Peak July 19, 2020 Primarily Hitting the South & West



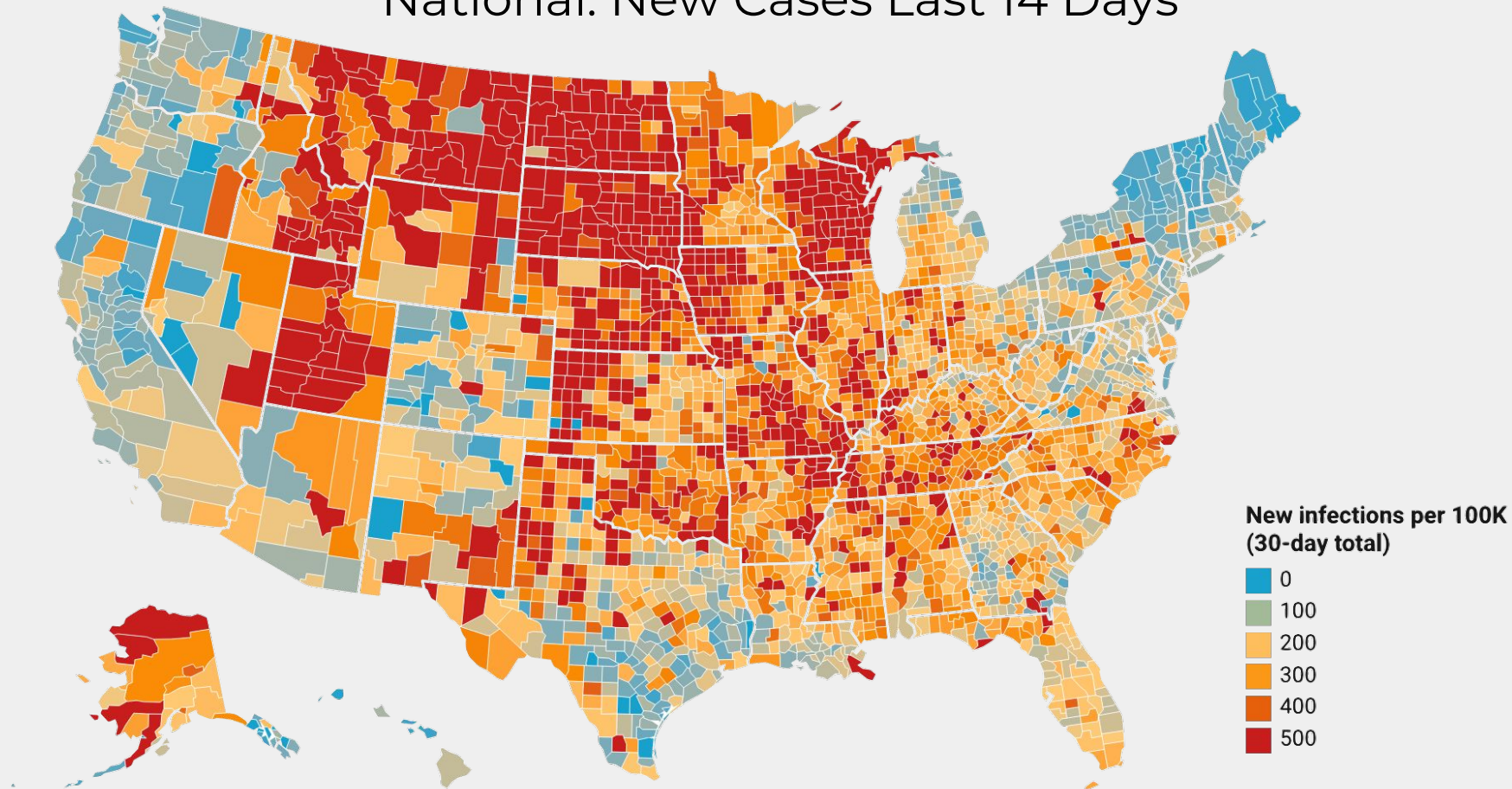
Source: Raw data from Johns Hopkins University—October 20, 2020

Developing Third Peak More Geographically Diverse

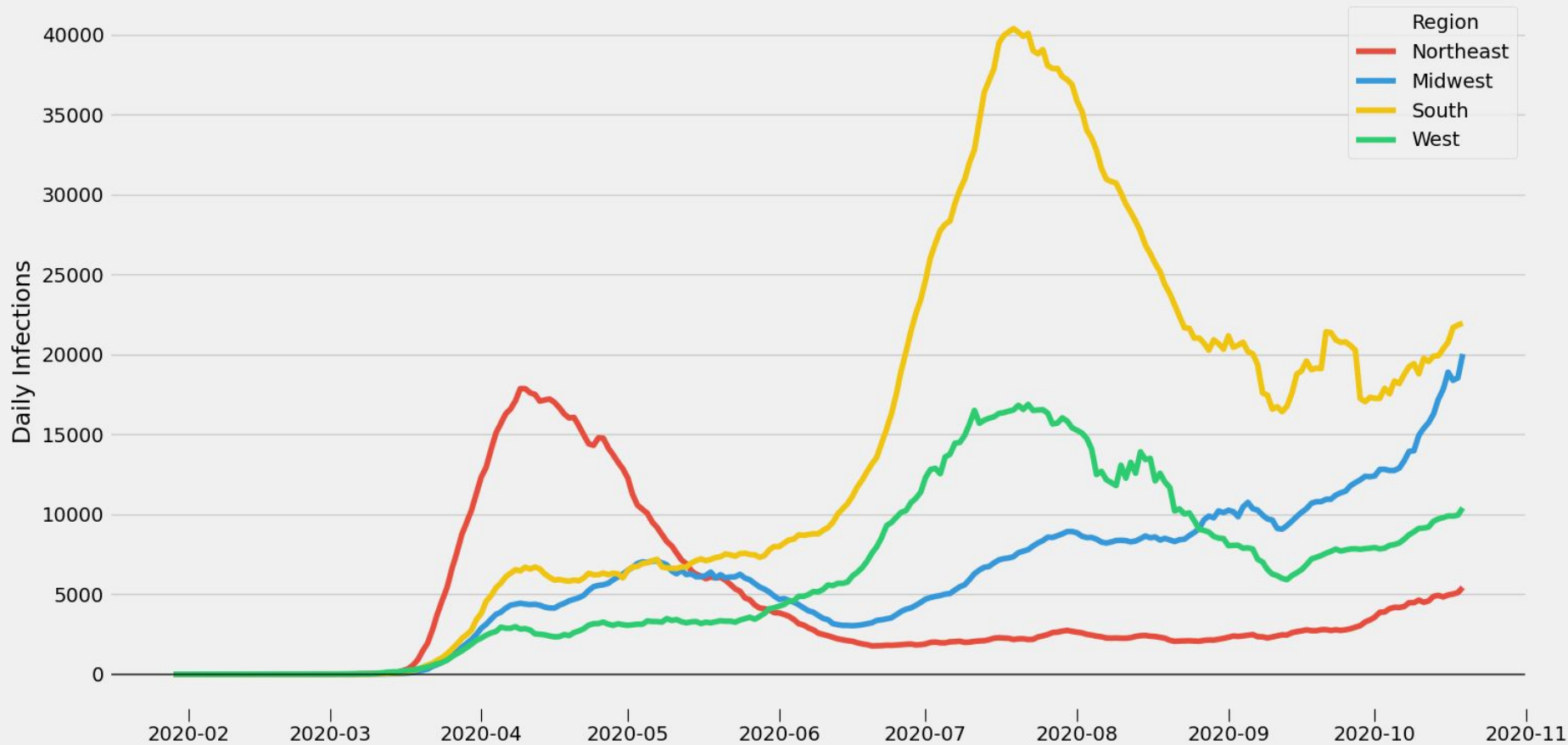


Source: Raw data from Johns Hopkins University—October 20, 2020

National: New Cases Last 14 Days



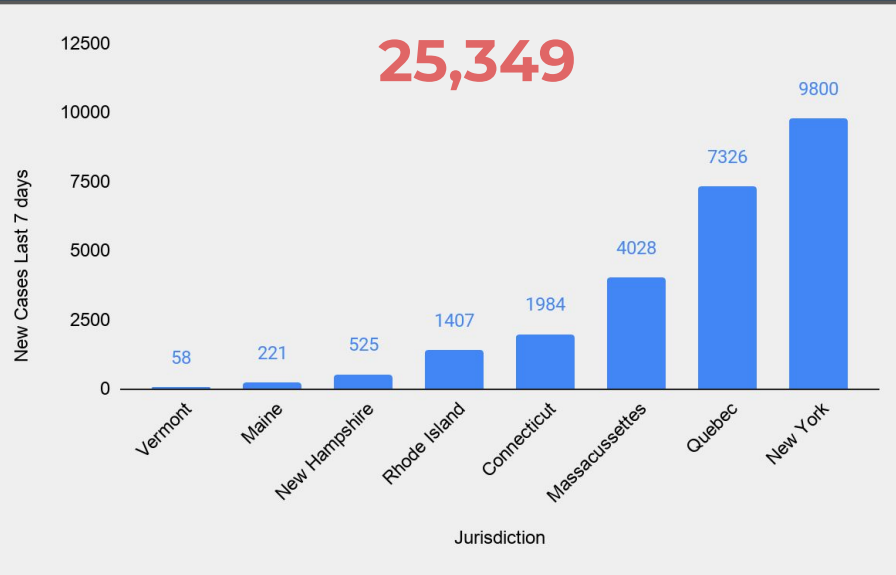
COVID-19 Daily Infections by Census Region (7-Day Moving Average)



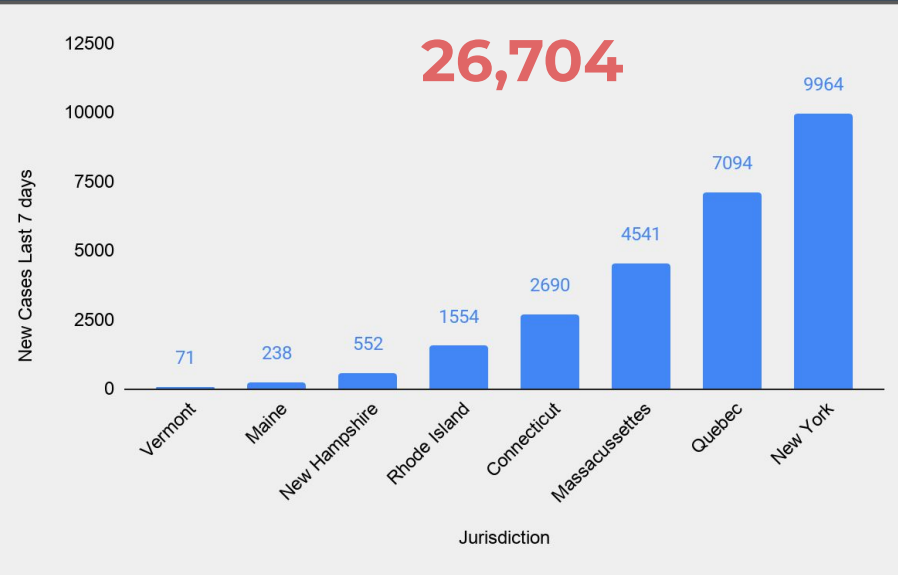
Regional Monitoring

5.35% Increase in New Confirmed Cases

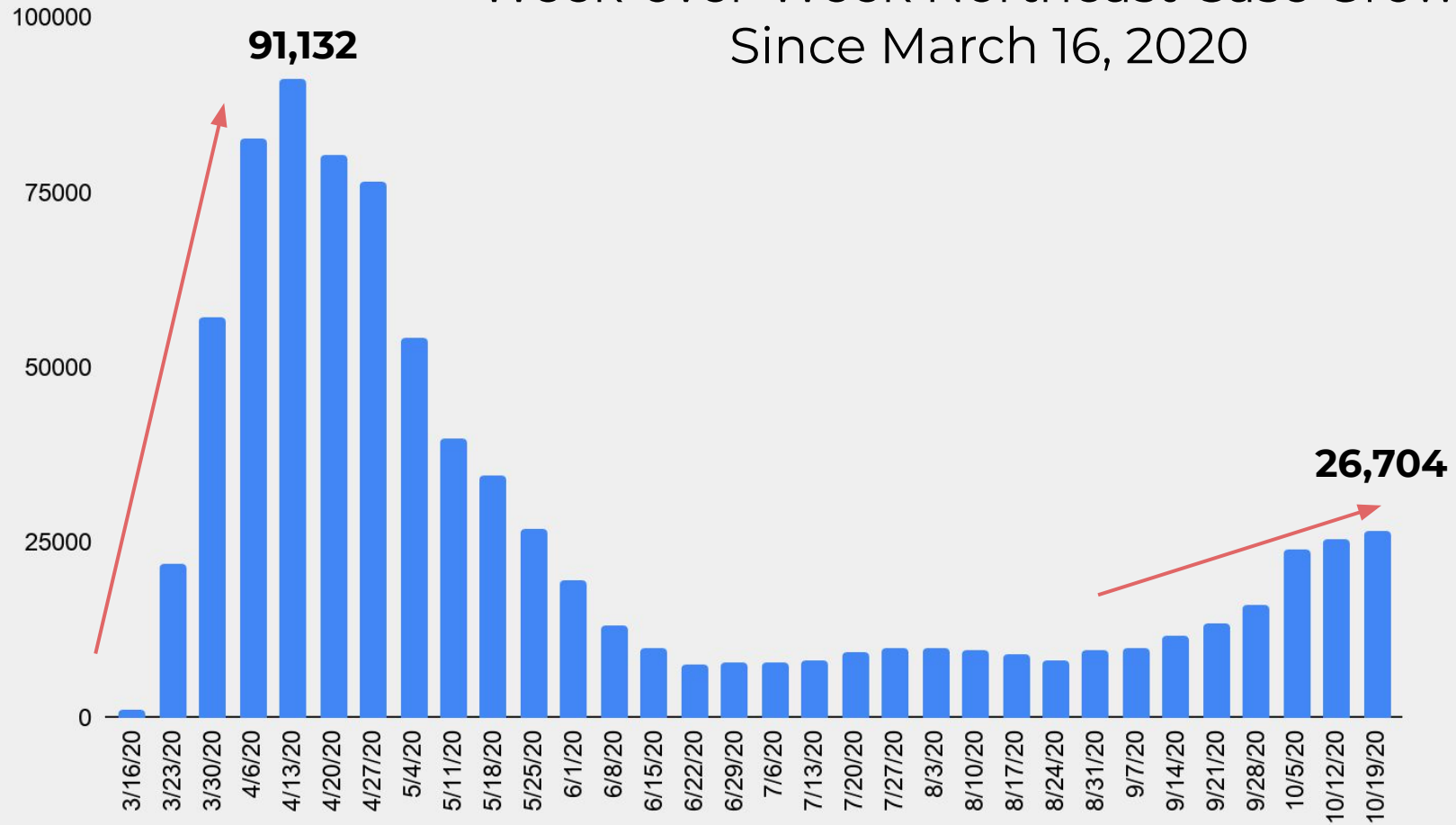
Positive Cases Oct. 5th to Oct. 12th



Positive Cases Oct. 13th to Oct. 20th

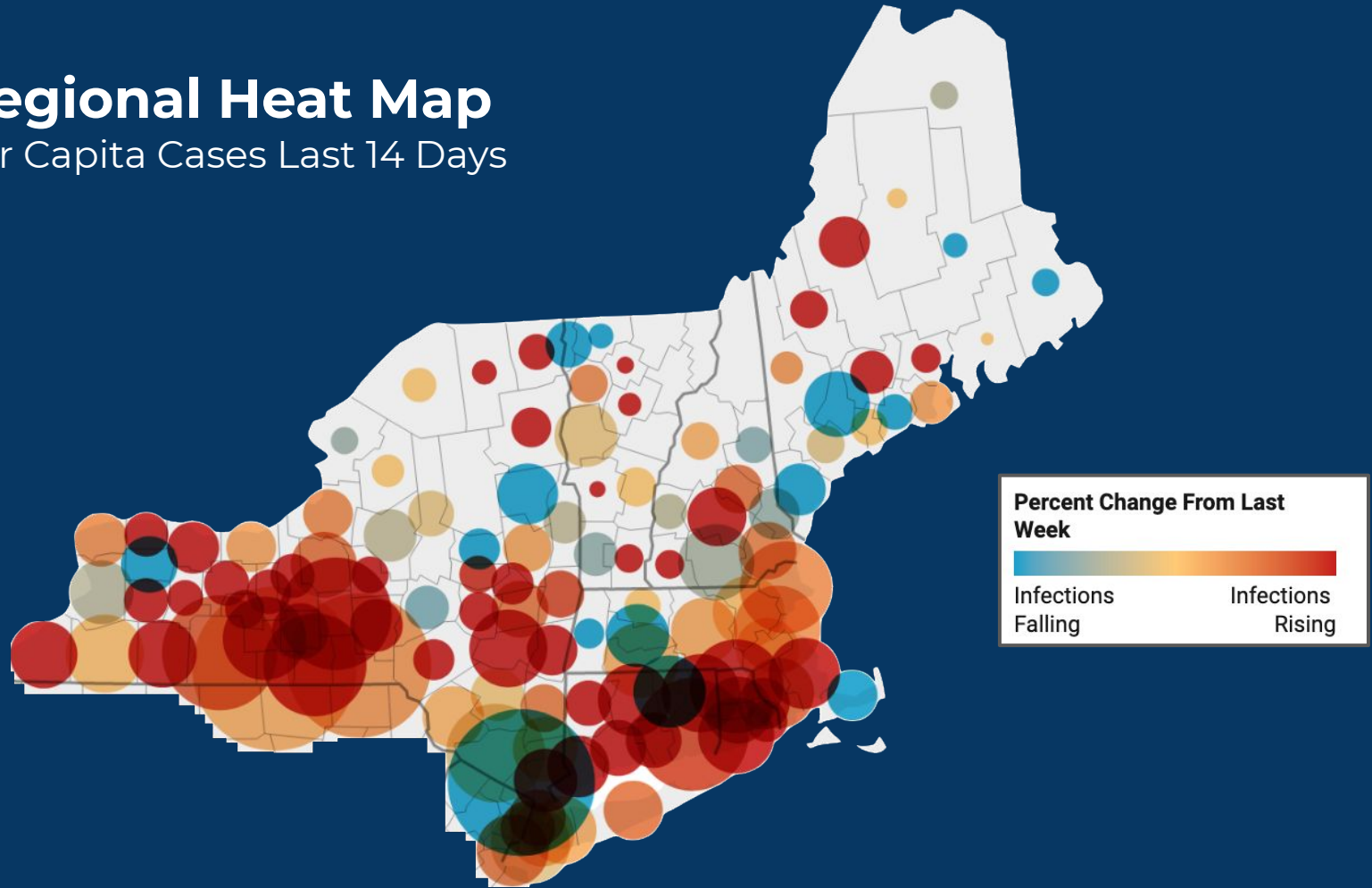


Week-over-Week Northeast Case Growth Since March 16, 2020



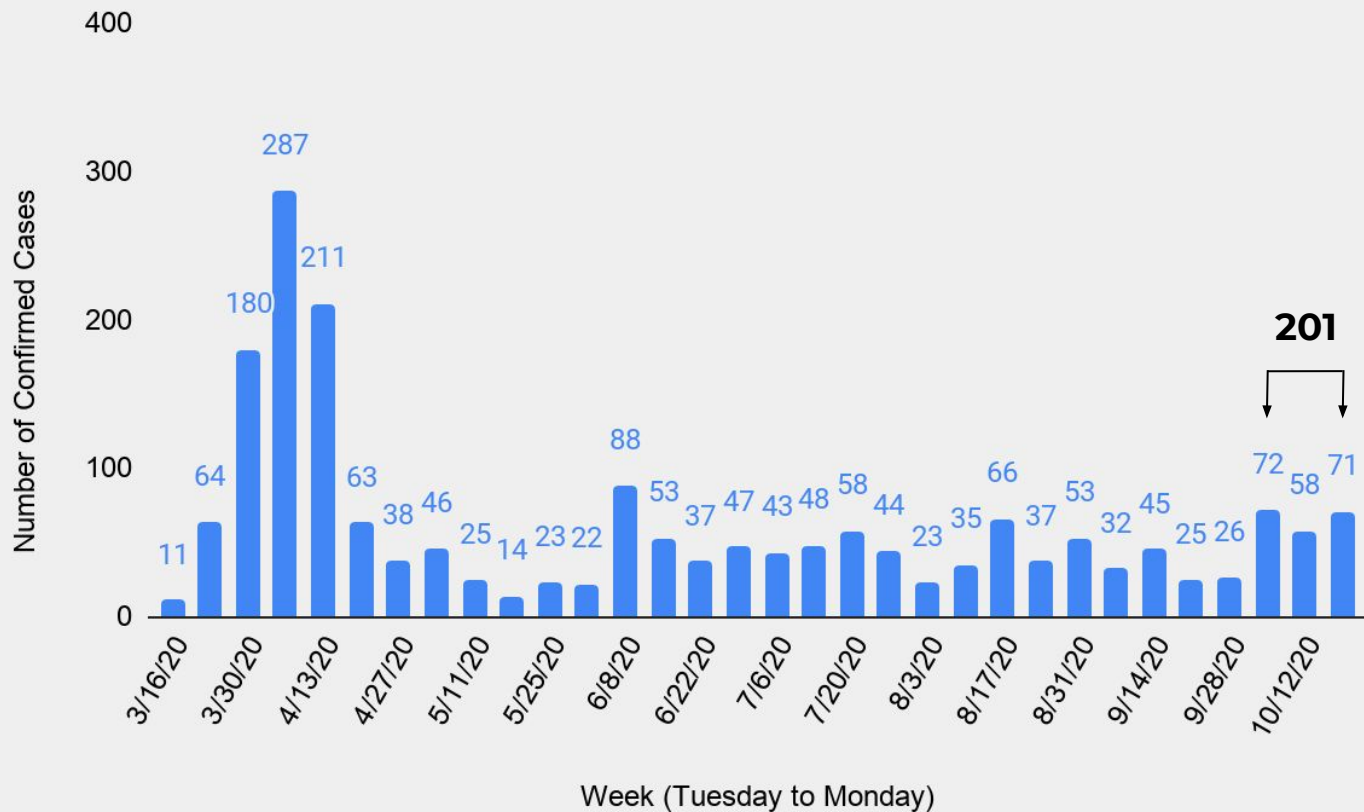
Regional Heat Map

Per Capita Cases Last 14 Days

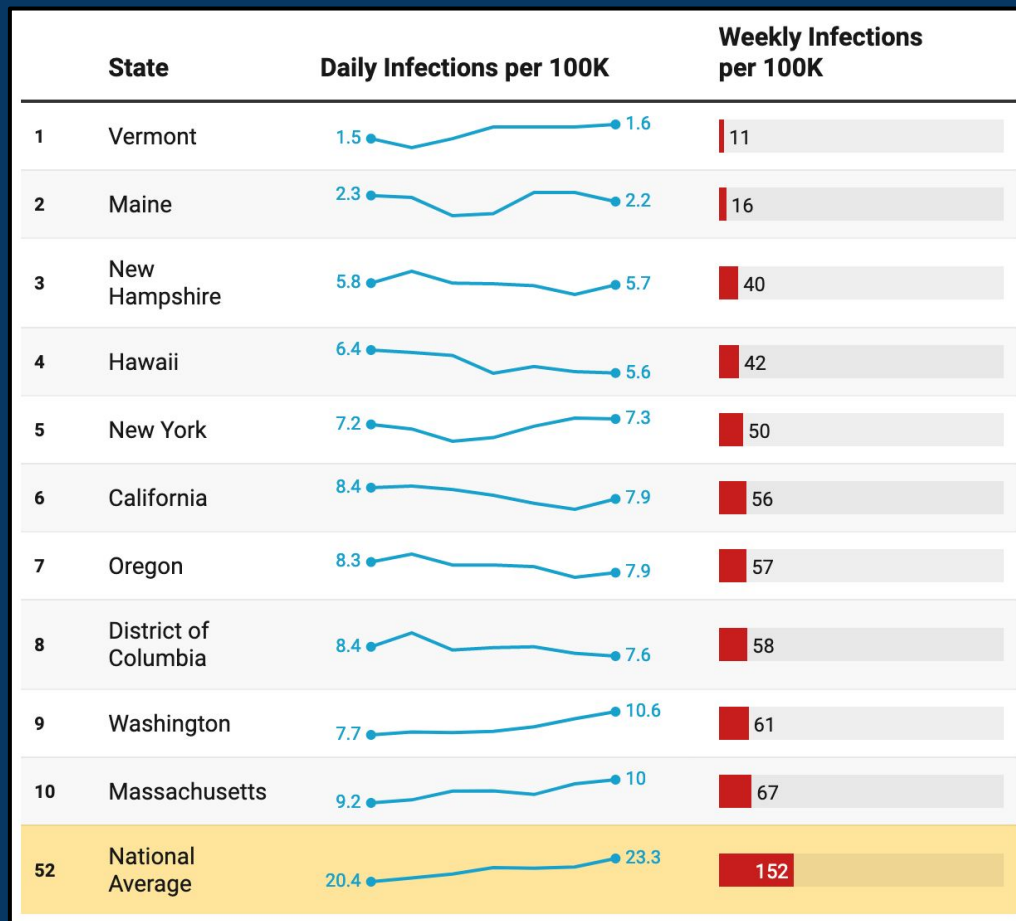


Vermont Data

Vermont Weekly Totals



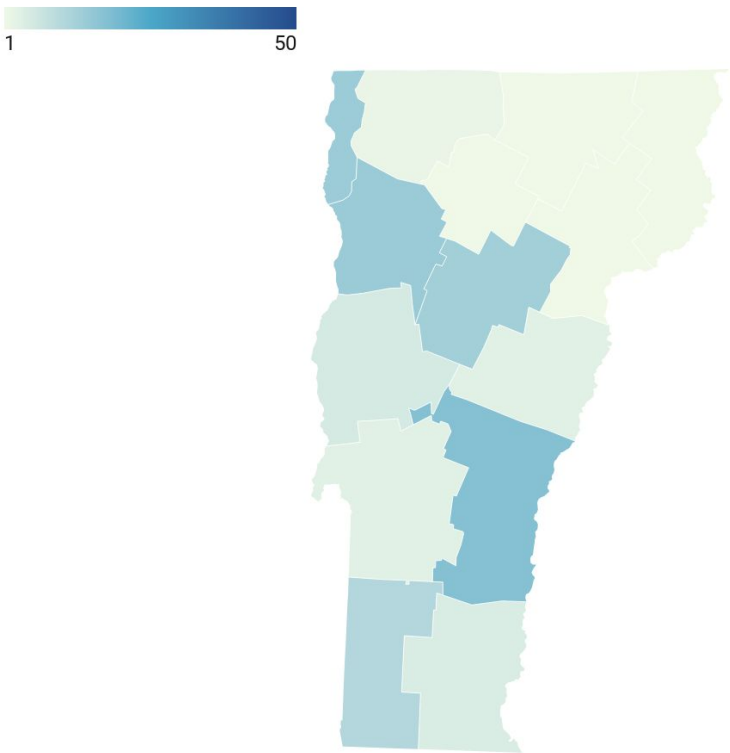
Lowest 7-Day COVID-19 Infectious Rates



Sources: Johns Hopkins University (week calculated as Tuesday to Monday)

Vermont Weekly Cases by County (per 100,000)

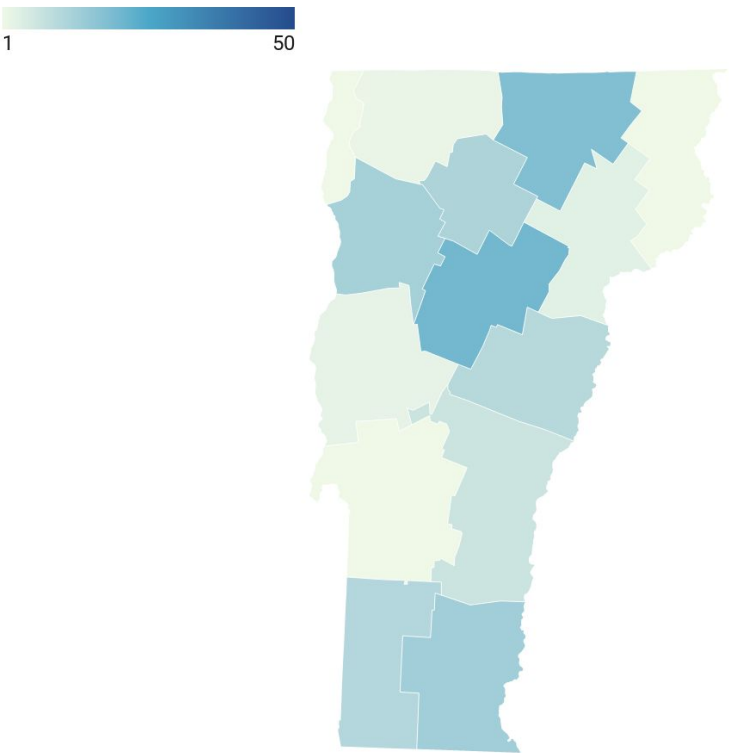
Results Reported October 6 to 12



Map: Vermont DFR COVID Modeling Team • Source: Vermont Dept. of Health • Created with Datawrapper

Vermont Weekly Cases by County (per 100,000)

Results Reported October 13 to 19



Map: Vermont DFR COVID Modeling Team • Source: Vermont Dept. of Health • Created with Datawrapper

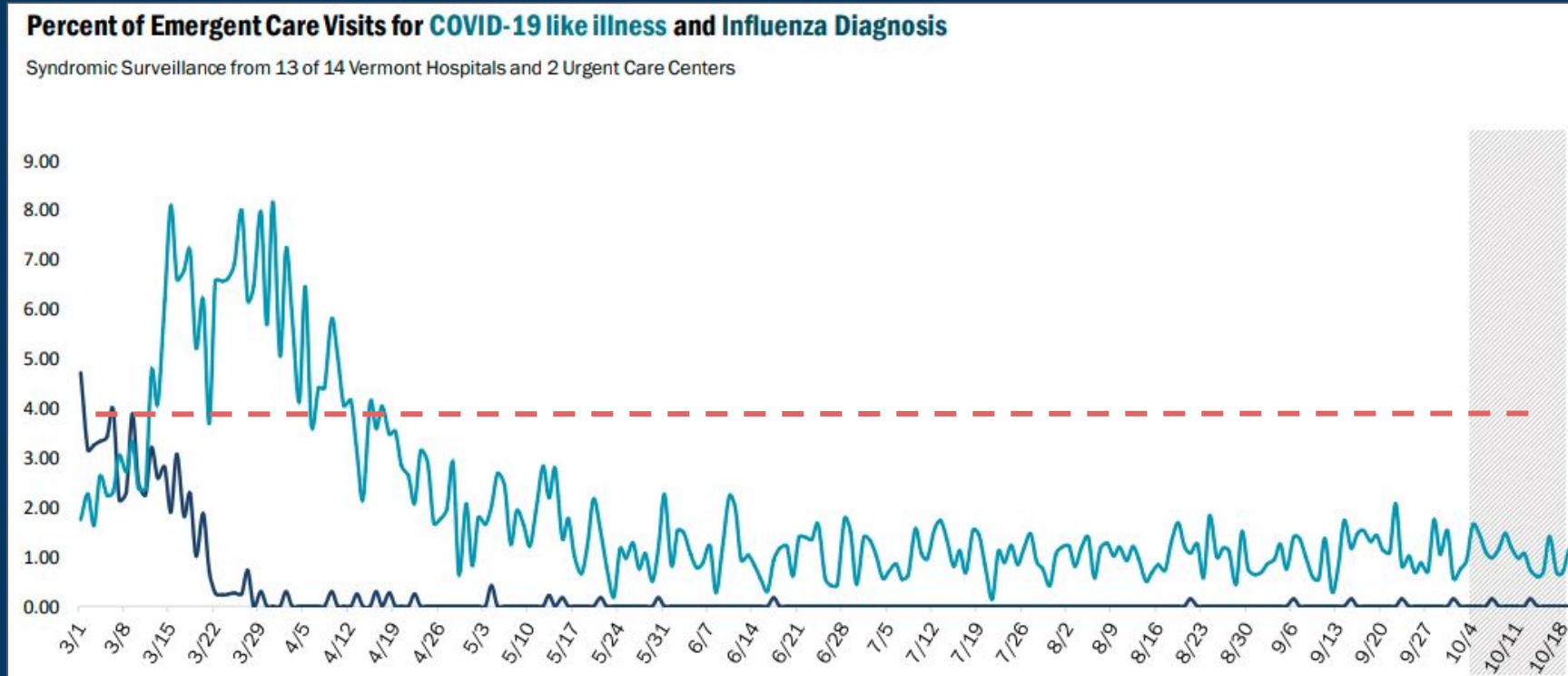
RESTART VERMONT

Reopening Metrics

1. Syndromic Surveillance
2. Viral Growth & Reproductive Rates
3. Percentage of New Positive Tests
4. Hospital & Critical Care Bed Capacity

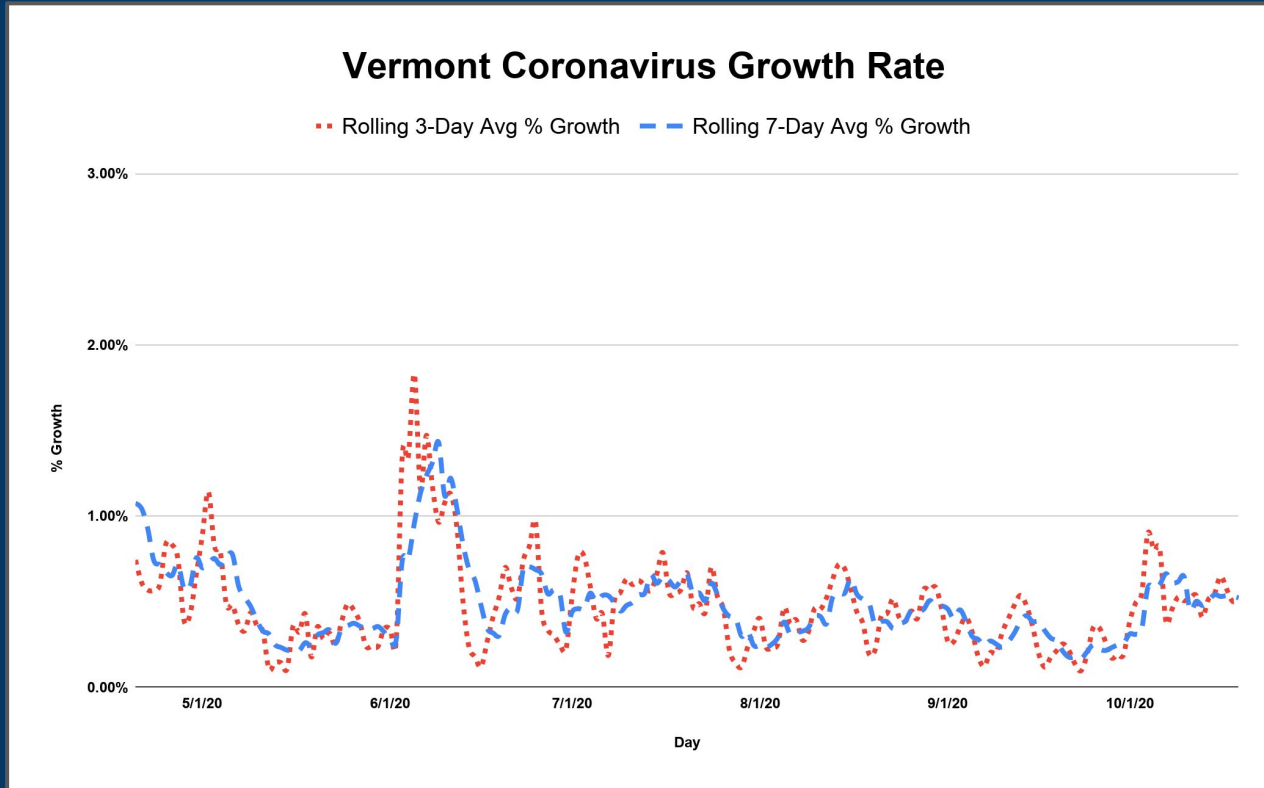
Data Point 1: Syndromic Surveillance

- **Summary:** Percentage of visits with COVID-19 like illness and Influenza diagnosis
- **Warning Flag:** Percentage of visits exceeding 4% for multiple consecutive days



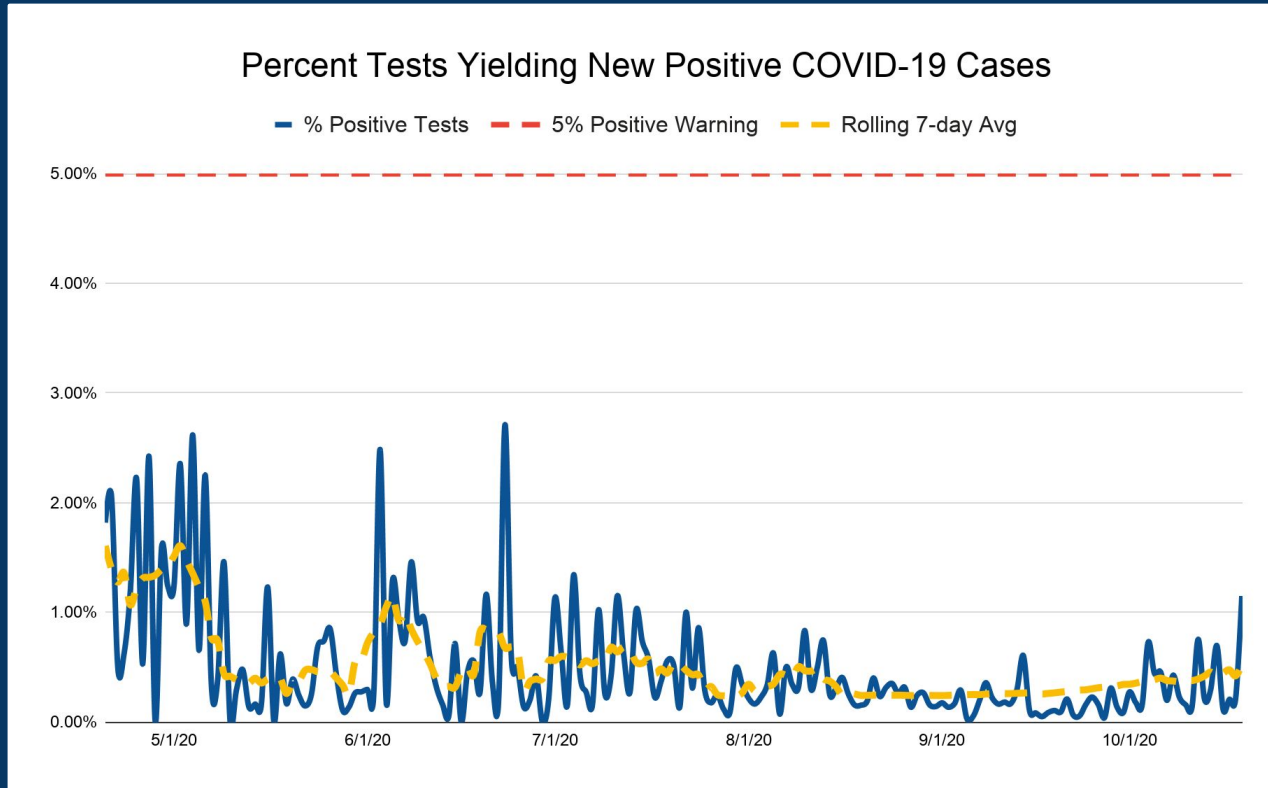
Data Point 2: Viral Growth and Reproductive Rates

- **Summary:** Case growth measured by daily, 3-day, 7-day, and effective reproductive rate (R_t)
- **Warning Flags:** Sustained viral growth that would lead to <30% open ICU beds



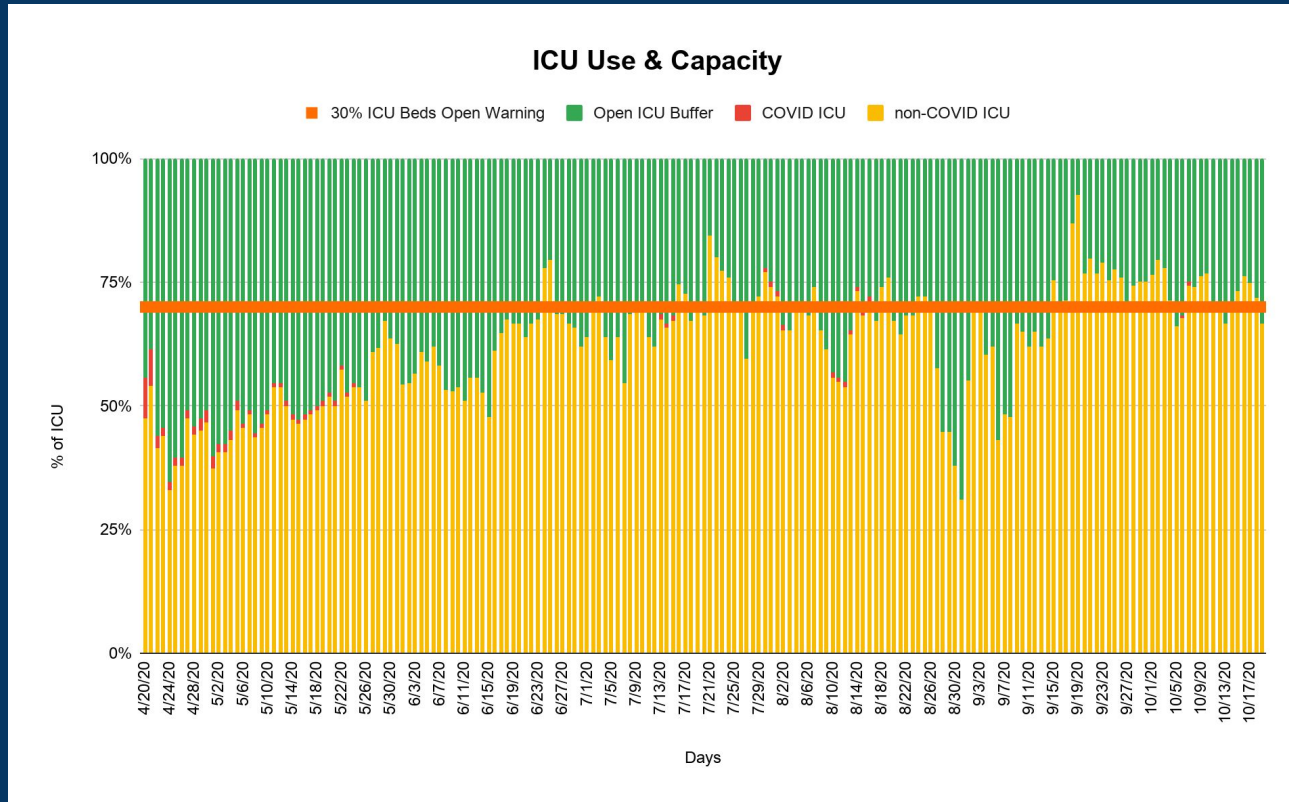
Data Point 3: Percentage of New Positive Tests

- **Summary:** Percent of tests resulting in a new positive case
- **Warning Flags:** New positives represent >5% of daily results

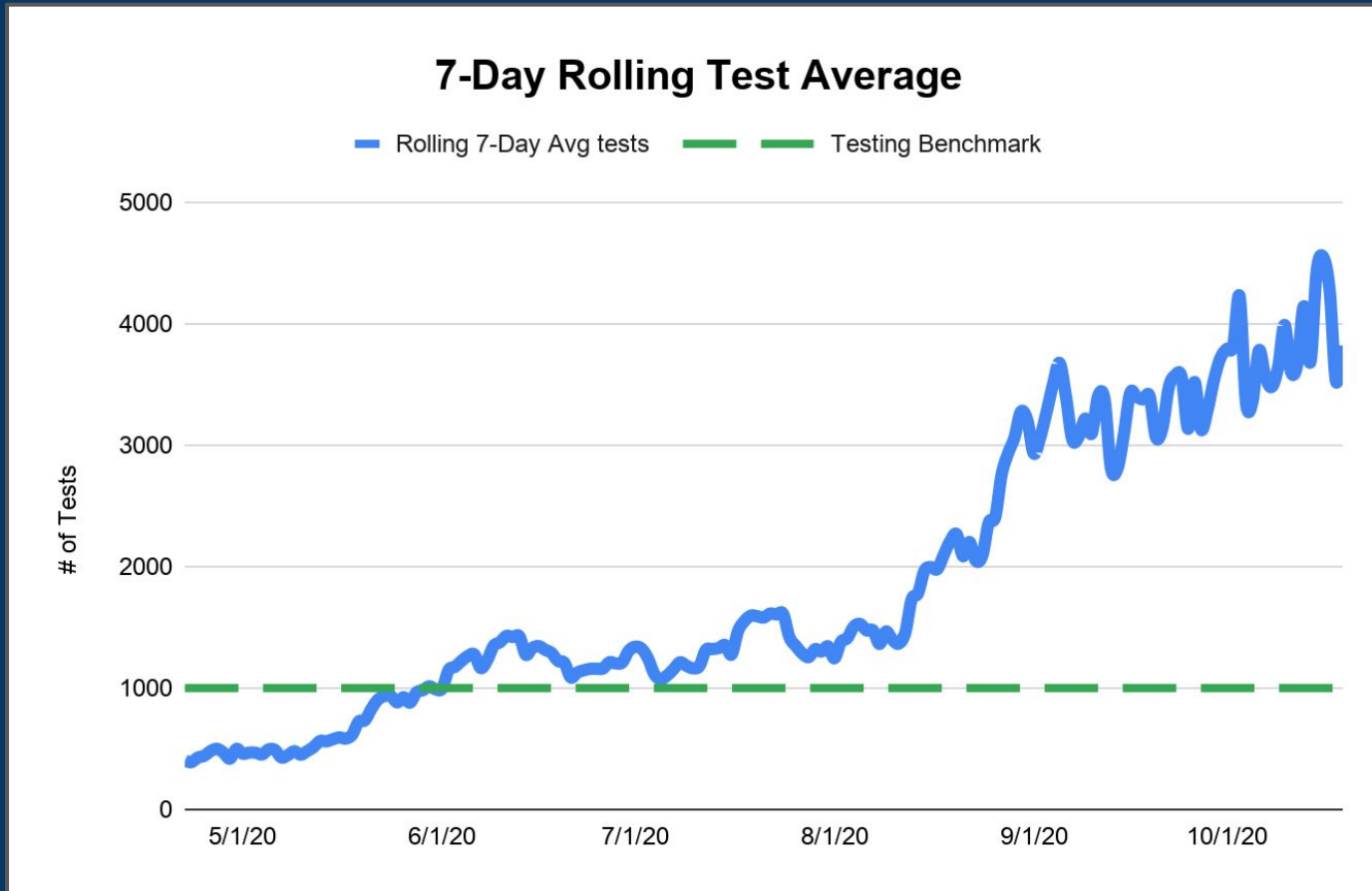


Data Point 4: Hospital & Critical Care Beds

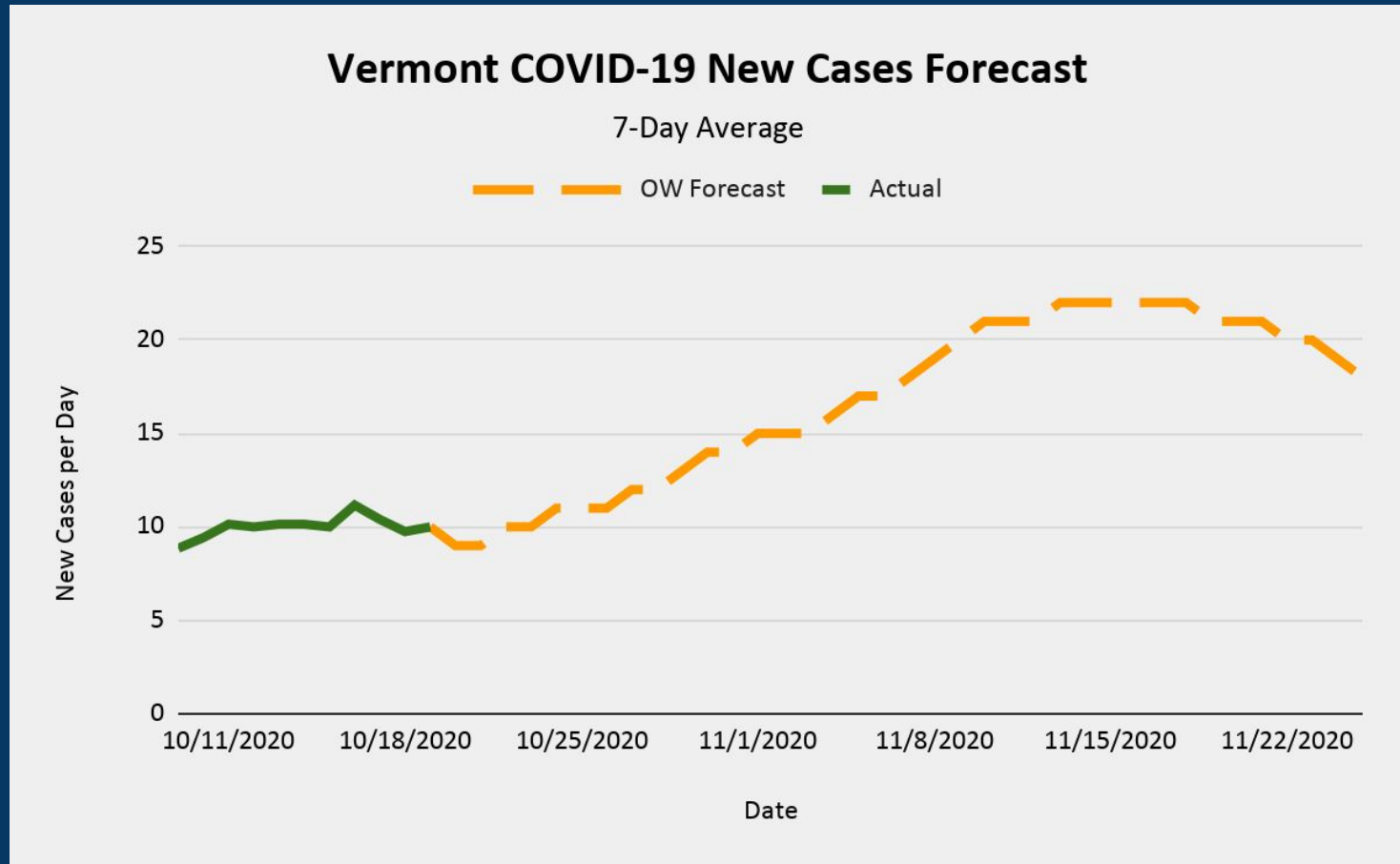
- **Summary:** Number of occupied and unoccupied medical surgical and ICU beds
- **Warning Flags:** Reduction in ICU open beds to less than 30%



Vermont Testing

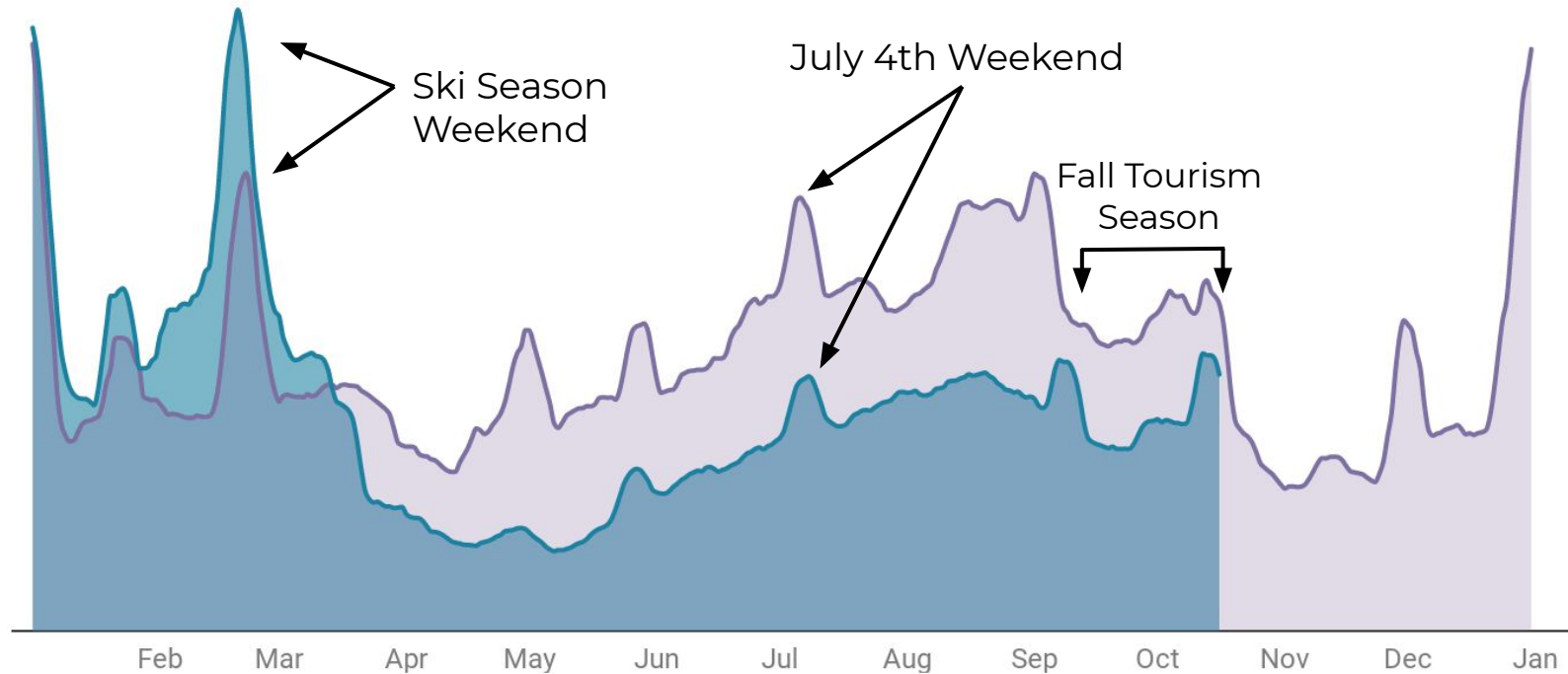


Vermont Forecast October 20 to November 25



Out-of-State Visitors to Vermont 2019 vs 2020

Estimate of visitors uses 7-day average # mobile devices from out of state.



10/19/2020

Chart: State of Vermont • Source: Safegraph • Created with Datawrapper

Estimated % Change in Out-of-State Visitors to Vermont

Comparison 2019 & 2020 using 7-day average # mobile devices from out of state.

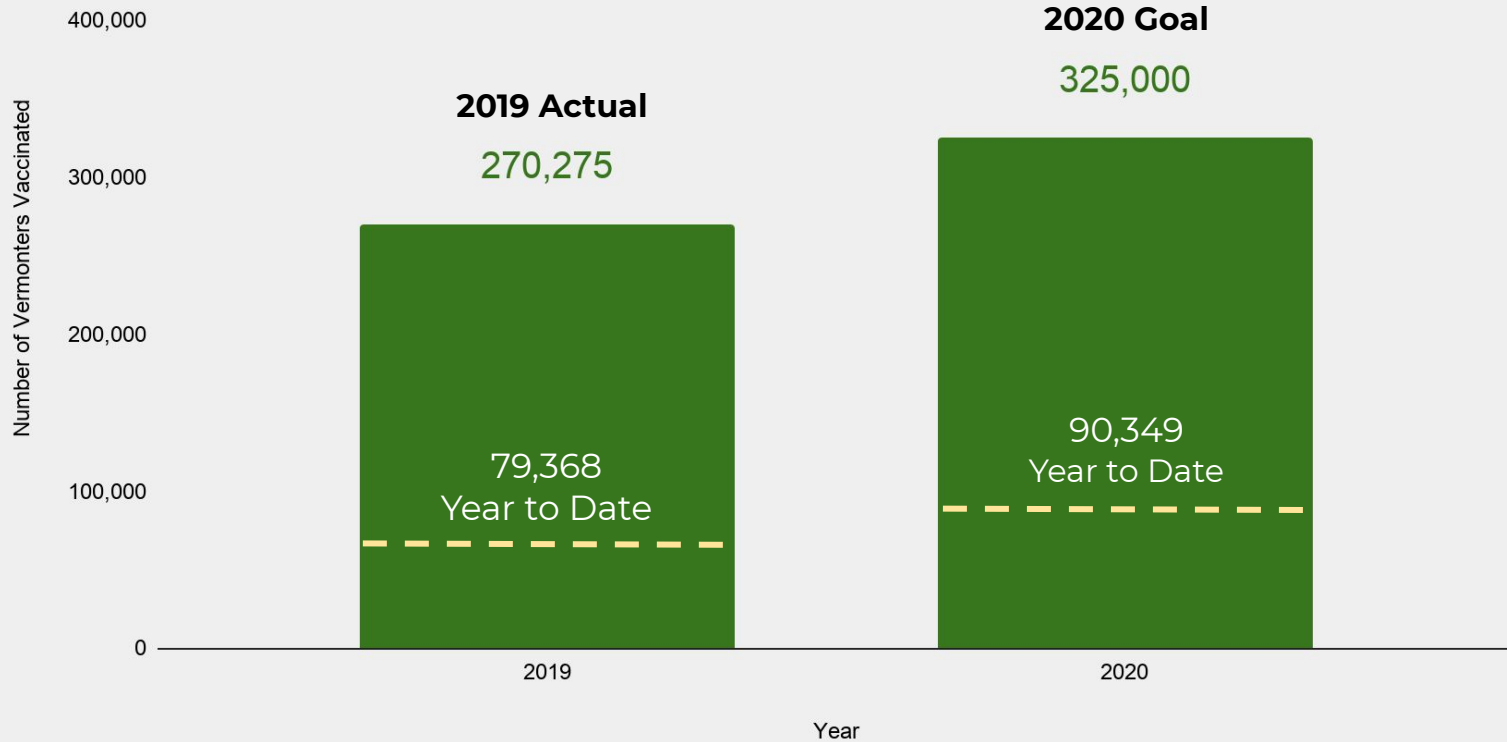


10/20/2020

Chart: State of Vermont • Source: Safegraph • Created with Datawrapper

Vermont Flu Vaccine Data

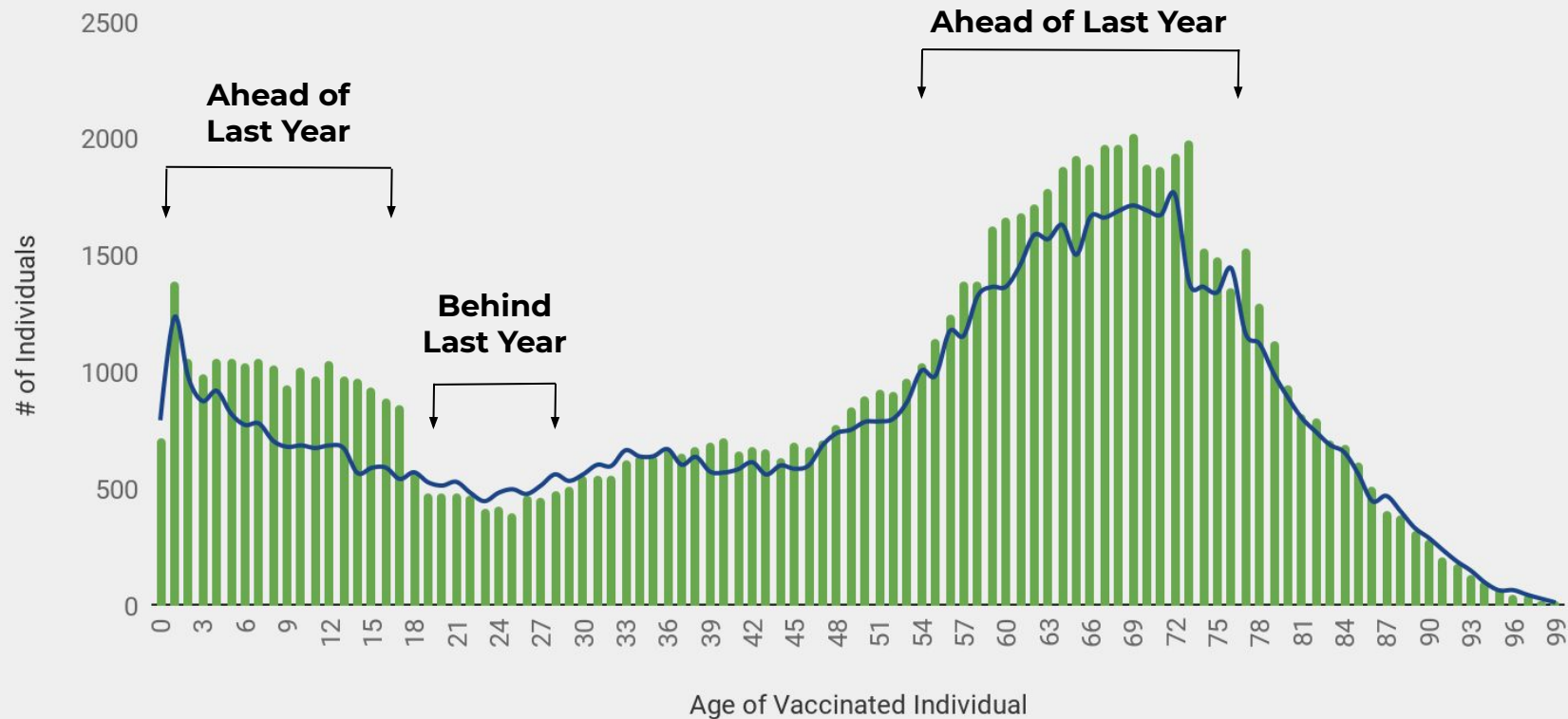
13.8% Flu Vaccination Increase Compared to Same Time in 2019



Vermont Influenza Vaccinations

Through October 11, 2019 & 2020

2019 Season 2020 Season

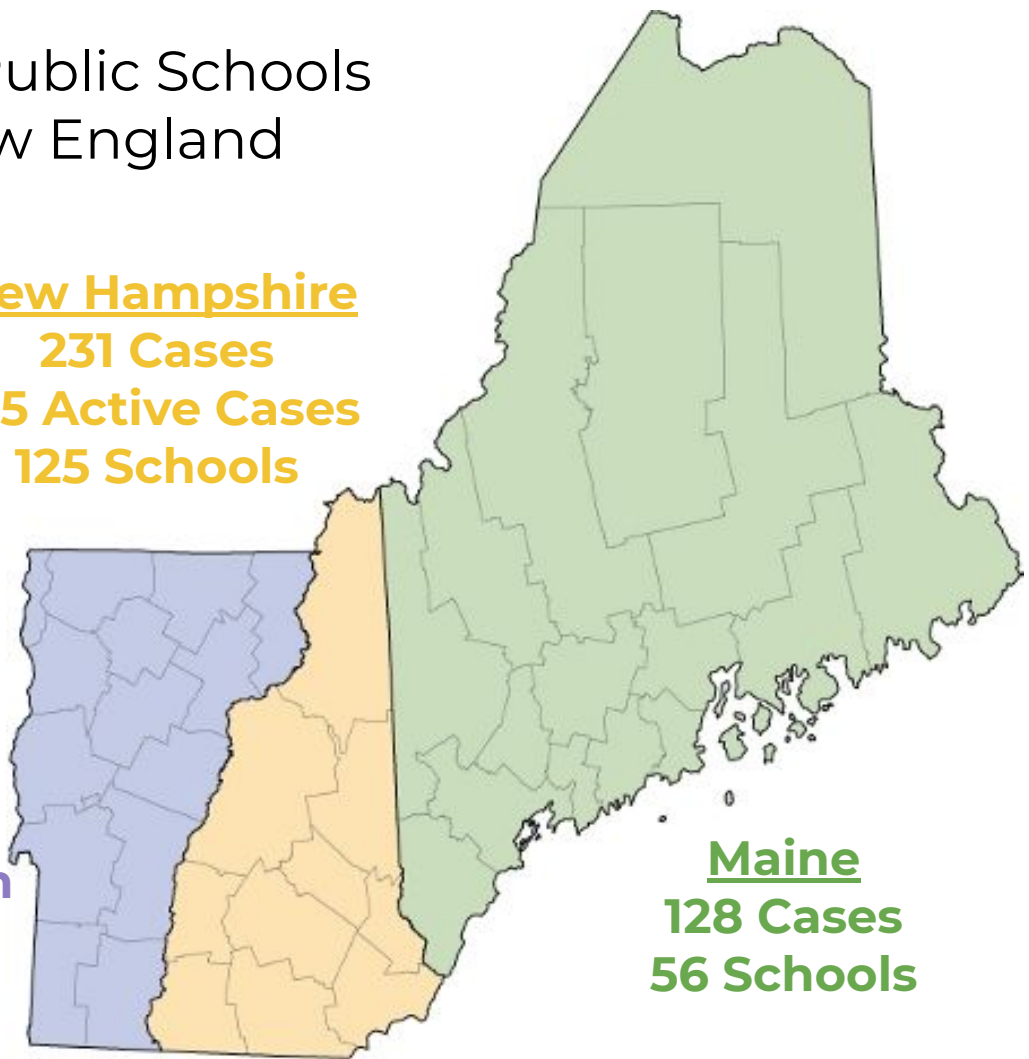


K-12 & Higher Education Update

Covid-19 Cases in K-12 Public Schools Across Northern New England

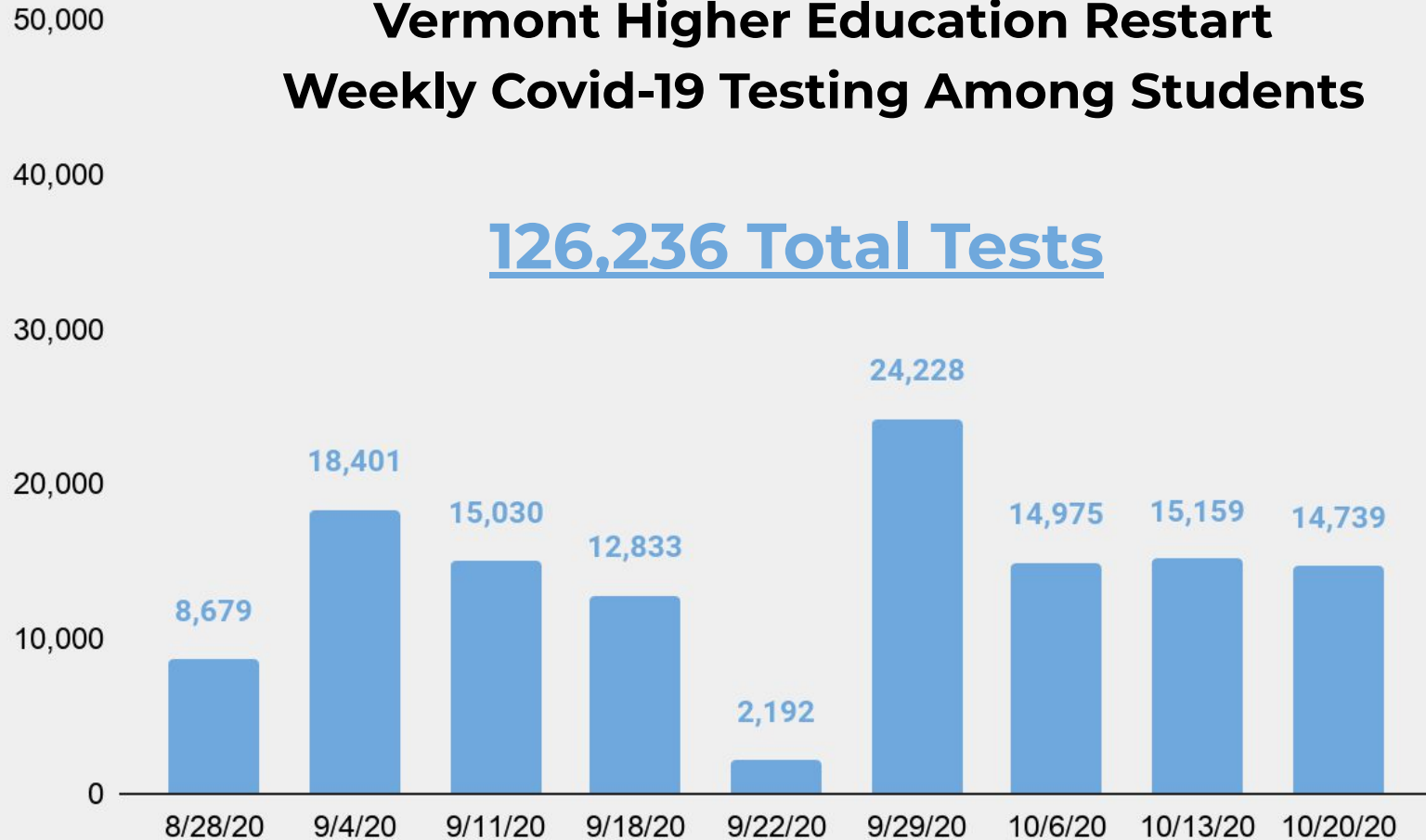
New Hampshire
231 Cases
125 Active Cases
125 Schools

Vermont
13 Cases
2 Active Cases
12 Schools
8 Cases Under Investigation



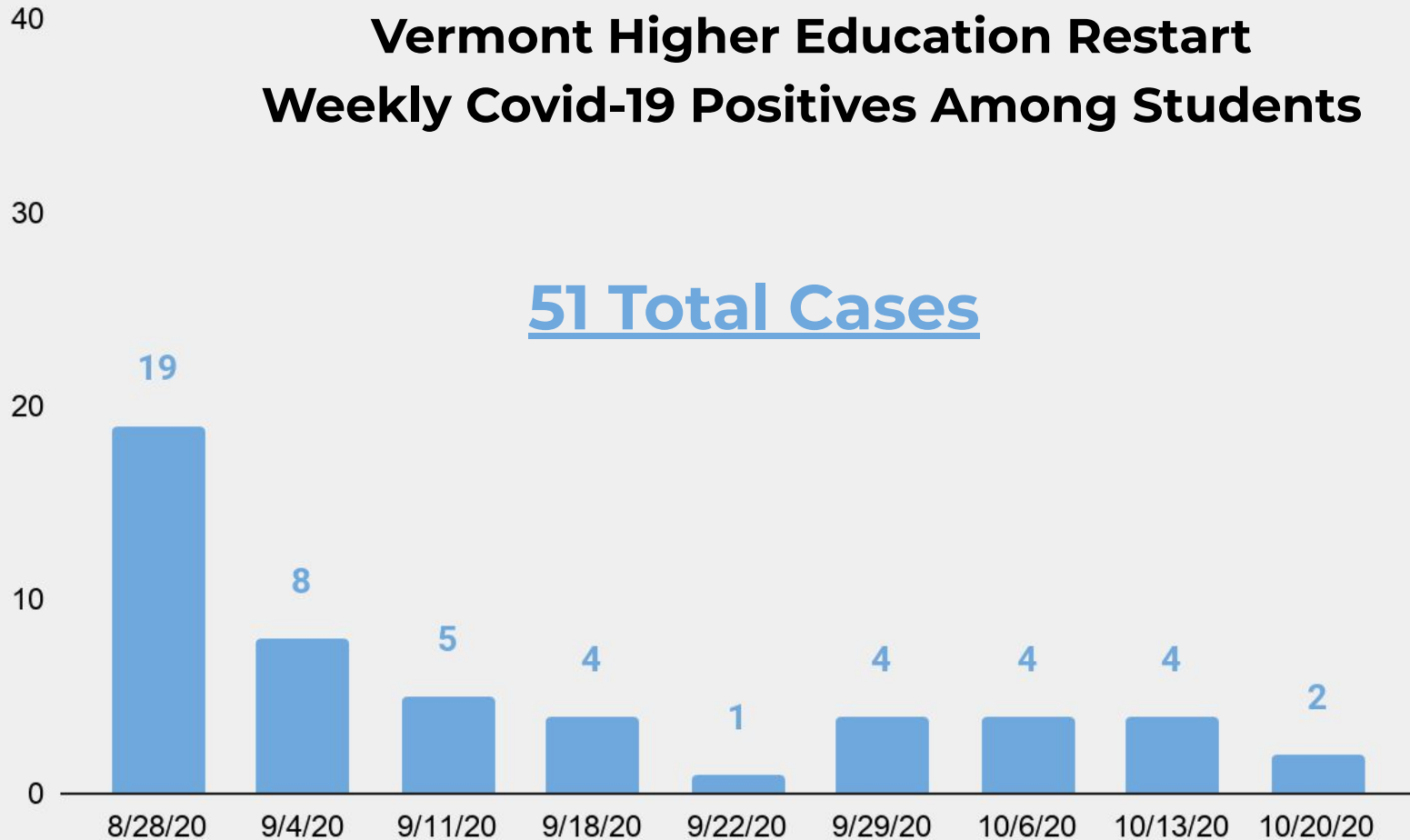
Vermont Higher Education Restart Weekly Covid-19 Testing Among Students

126,236 Total Tests





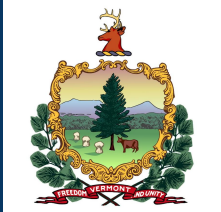
Source: Vermont Colleges and Universities (presentation switched to Tuesday on September 22, 2020)

Vermont Higher Education Restart Weekly Covid-19 Positives Among Students



Source: Vermont Colleges and Universities (presentation switched to Tuesday on September 22, 2020)

Northern New England Higher Education Update

		Total Tests	Positives	Positivity Rate
New Hampshire*		274,982	315	0.11%
Maine*		88,349	55	0.06%
Vermont		126,236	51	0.04%

* Includes NH & ME colleges & universities that publicly provide COVID-19 testing data.

Vermont Higher Education Restart

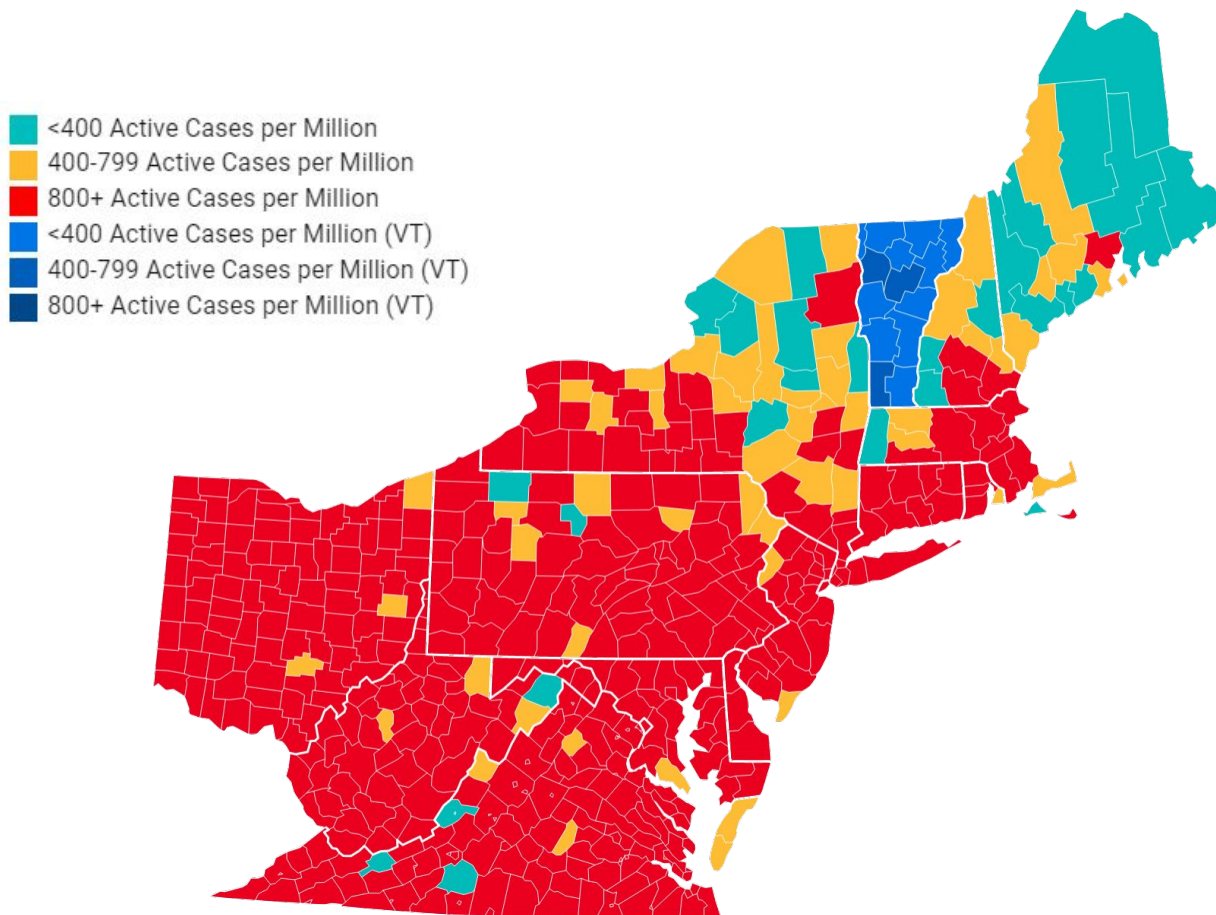
Institution Data as of October 20, 2020

College / University	Total Tests	Student Positives	Faculty Positives	Dashboard / Public Information
Middlebury College	8,850	2	2	https://www.middlebury.edu/office/midd2021/covid-reporting-dashboard
University of Vermont	81,215	26	0	https://www.uvm.edu/returntocampus/uvm-weekly-testing-report
Norwich University	10,282	6	0	https://www.norwich.edu/news/psa
Northern Vermont University	3,290	0	0	https://www.northernvermont.edu/nvu-during-covid-19
Castleton University	1,233	2	0	https://www.castleton.edu/covid-19-coronavirus-updates/covid-19-test-results/
Vermont Technical College	437	3	0	https://www.vtc.edu/update-on-the-covid-19-coronavirus/
Saint Michael's College	4,149	2	0	https://www.smcvt.edu/return-to-campus/
Sterling College	210	0	0	https://sterlingcollege.edu/coronavirus-2019/
Champlain College	11,171	5	0	https://view.champlain.edu/champlain-college-covid-19-testing-dashboard/
Bennington College	3,820	3	0	https://www.bennington.edu/covid-19-updates-and-information
Vermont College of Fine Arts	161	0	0	Does not have a public dashboard at this time
Vermont Law School	7	0	0	Remote learning for Fall 2020 - Some students using campus facilities
Landmark College	1303	2	1	https://www.landmark.edu/student-life/health-counseling-wellness/covid-19/covid-19-dashboard
Albany College of Pharmacy	108	0	0	https://www.acphs.edu/health-safety
Totals	126,236	51	3	

Note: Goddard College & Community College of Vermont are remote for Fall 2020

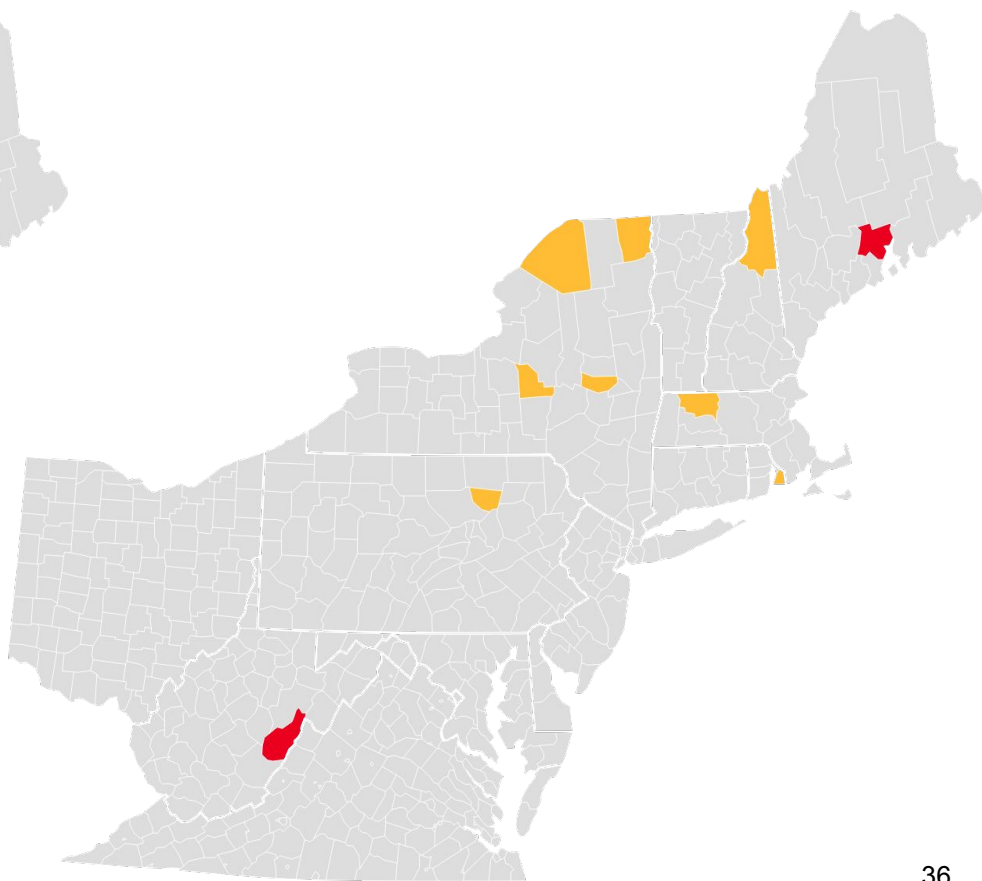
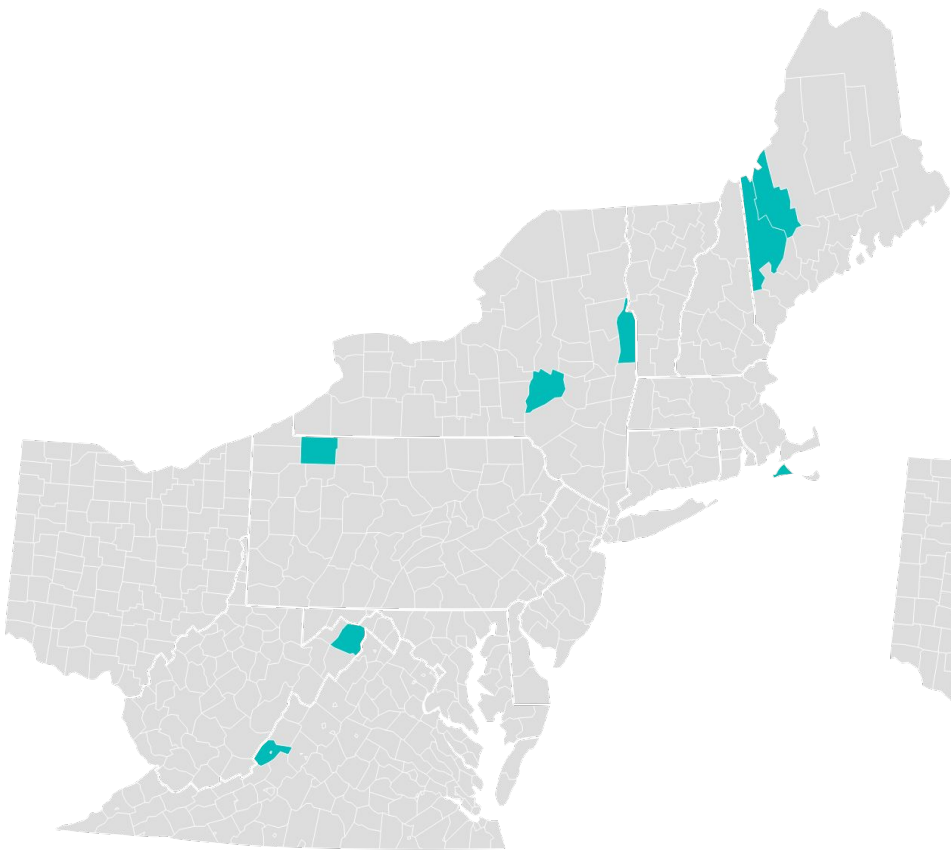
Travel Map Update

Updated Travel Map

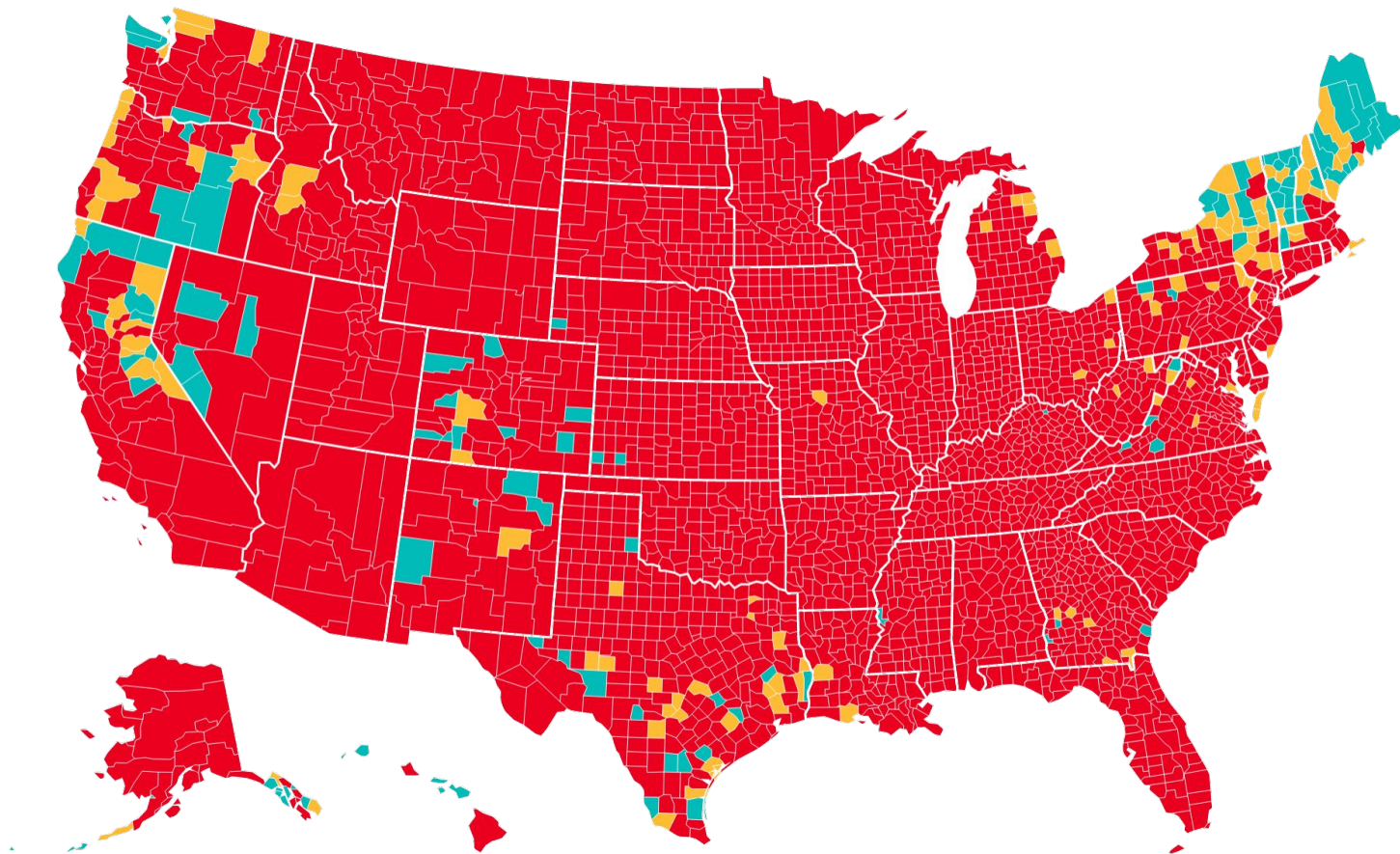


Improving: Moving from Yellow or Red to Green

Worsening: Moving to Yellow or Red

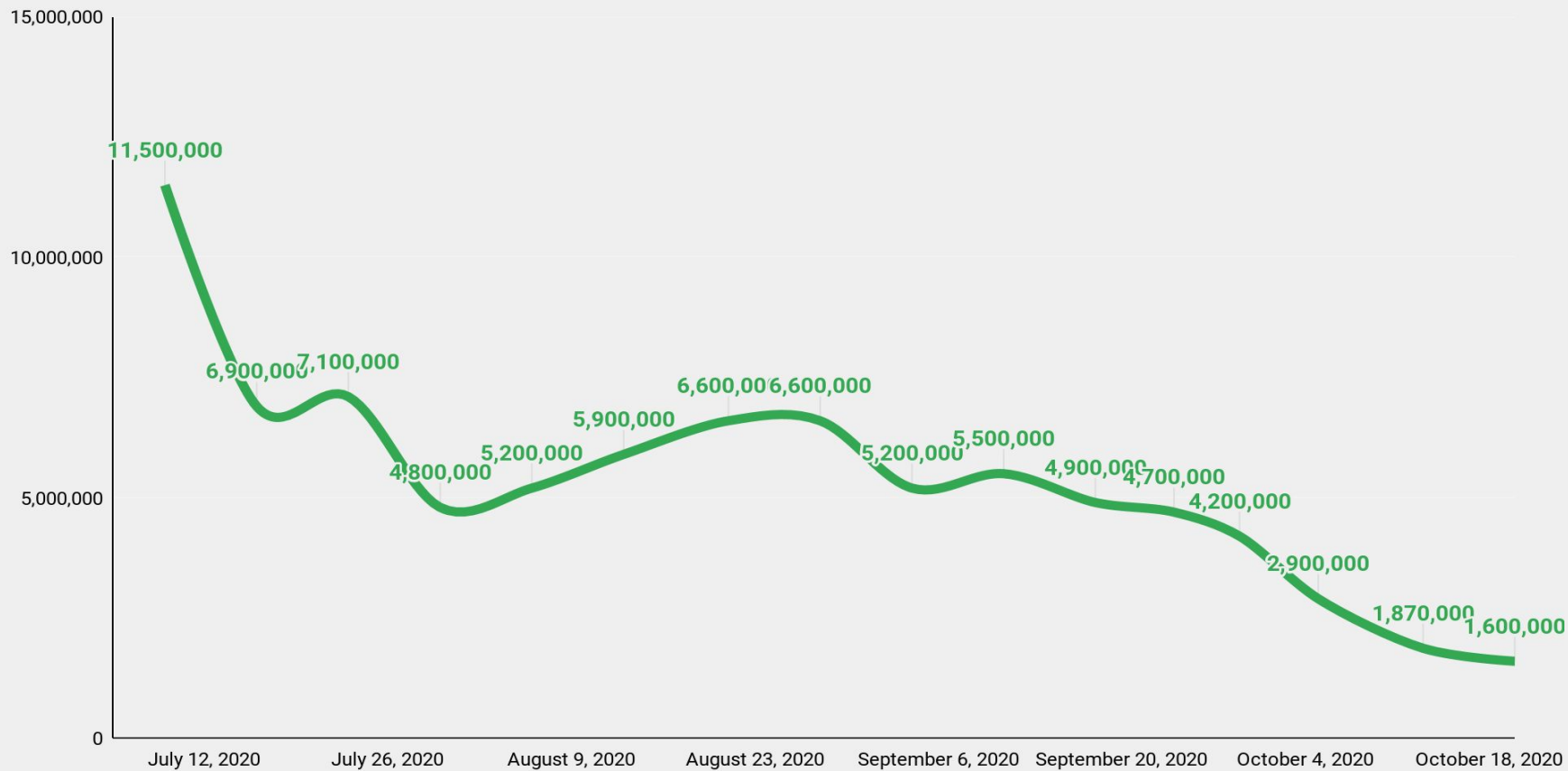


Travel Map: National View



Source: Raw data from Johns Hopkins University—October 20, 2020 (dynamic travel map available at Vermont ACCD site)

Population From "Green" Counties



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COVID-19

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  @GovPhilScott