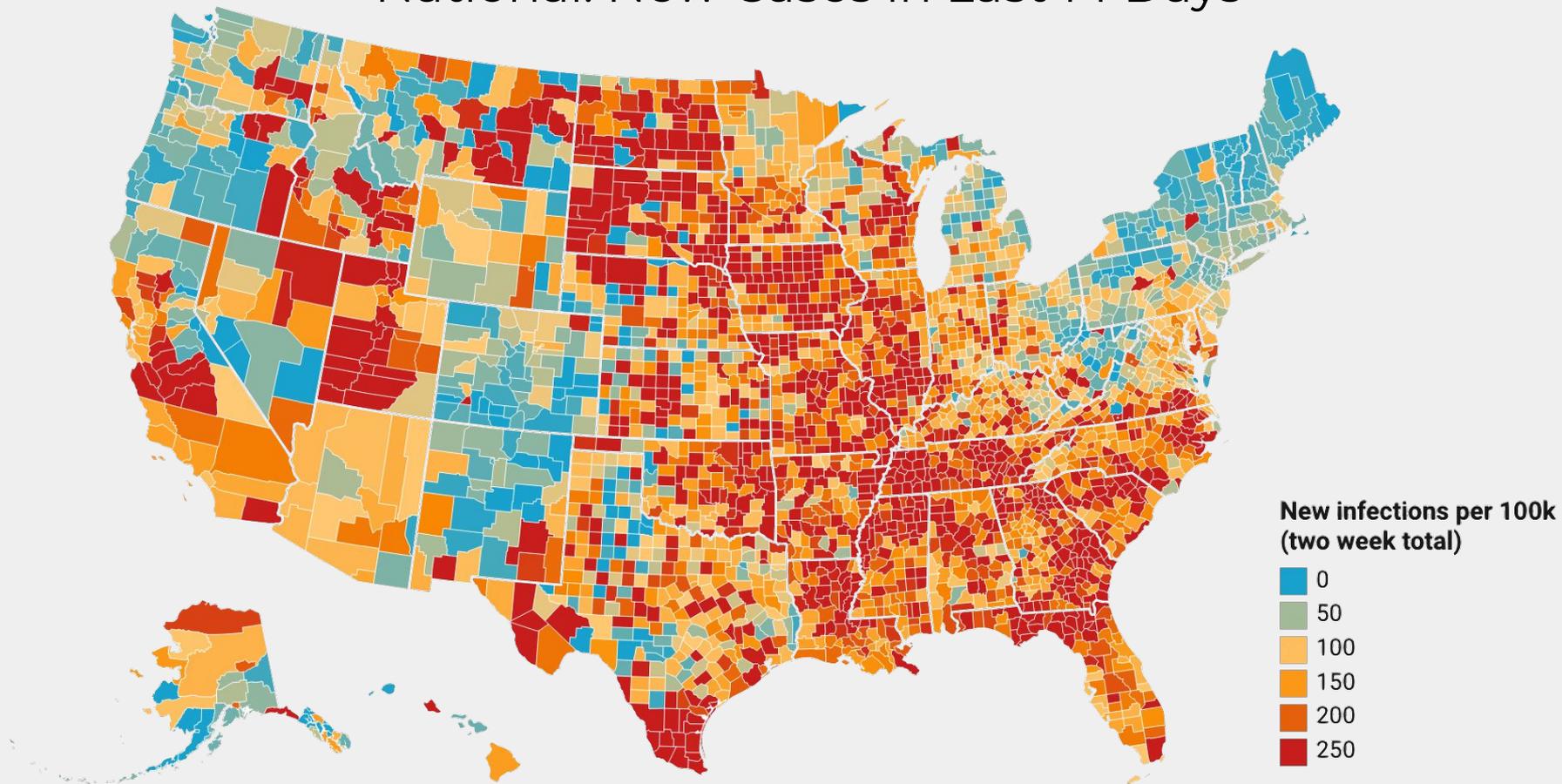


COVID-19 Modeling

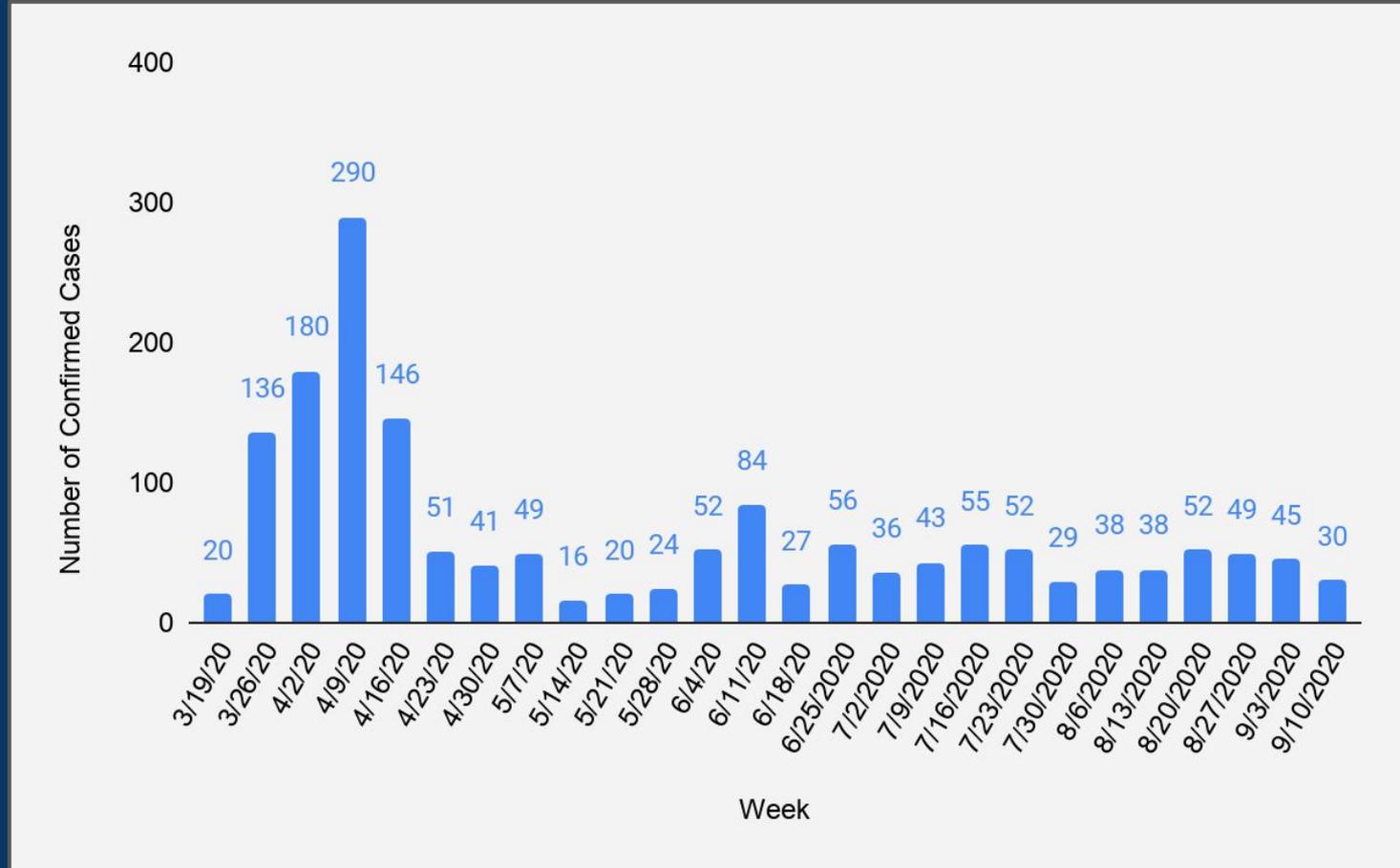
September 11, 2020

Presentation available at:
dfr.vermont.gov

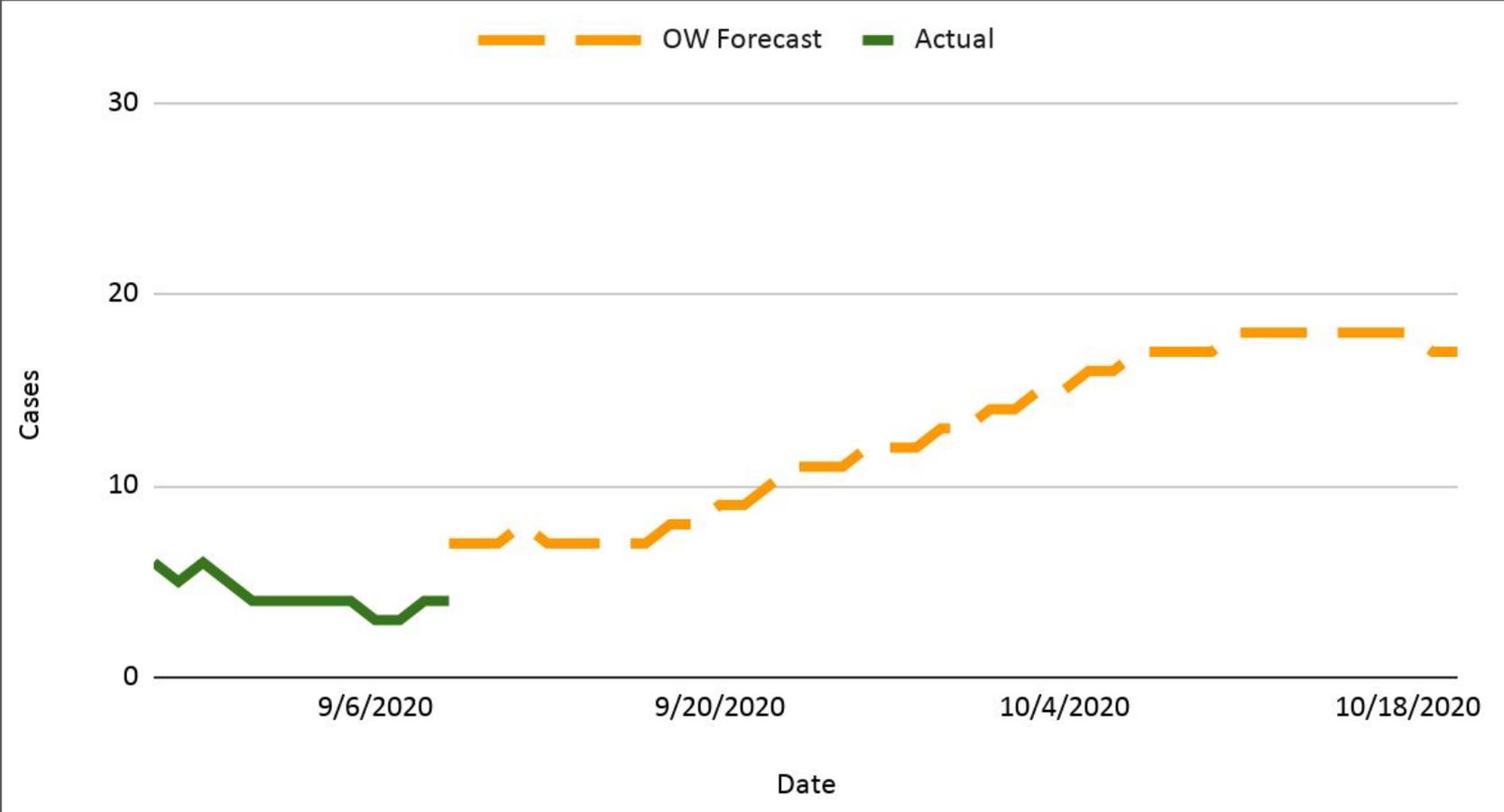
National: New Cases in Last 14 Days



Vermont Weekly Totals



Vermont Forecast September 11th to October 20th

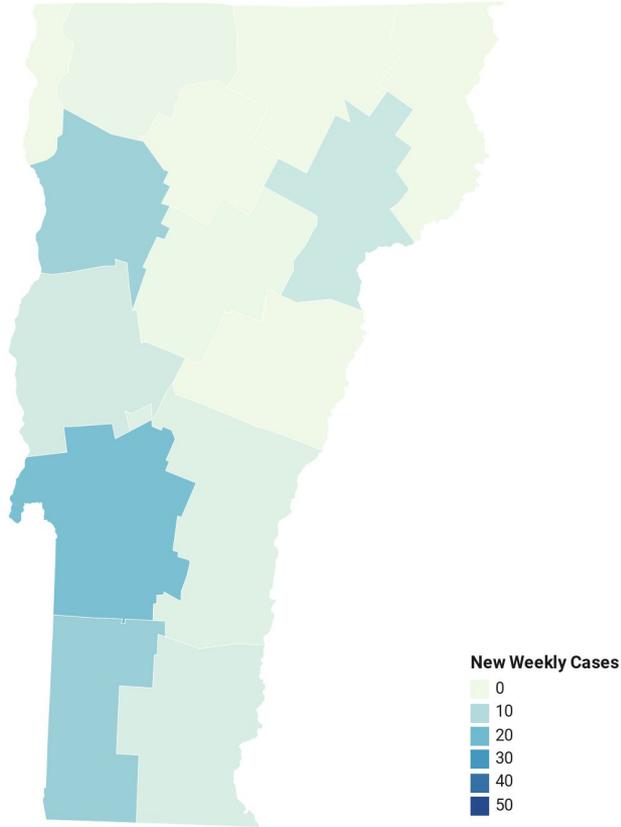


Source: Oliver Wyman Forecast Model - September 10, 2020

New Cases by County

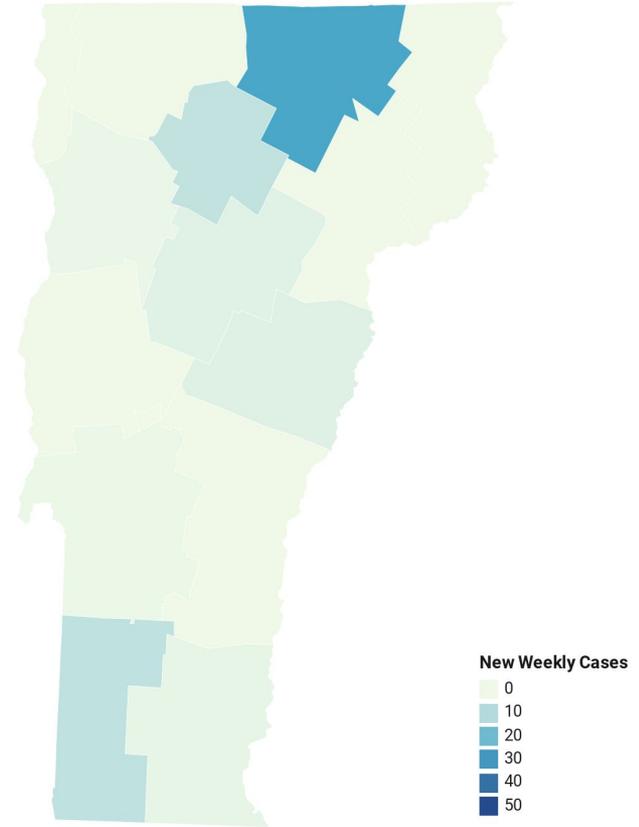
Vermont Weekly Cases by County (per 100,000)

Results Reported August 28 to September 3

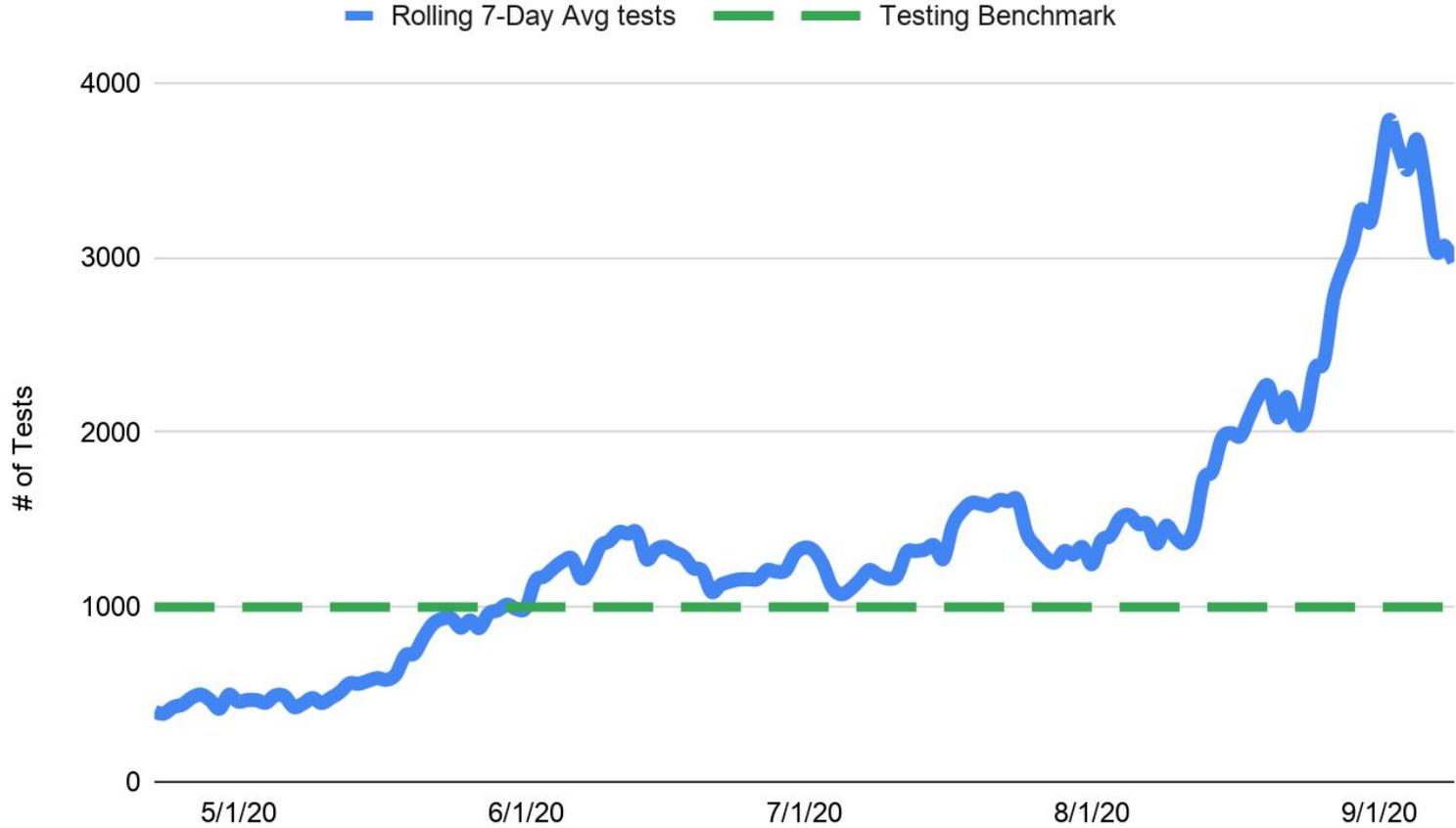


Vermont Weekly Cases by County (per 100,000)

Results Reported September 4 to 10



7-Day Rolling Test Average



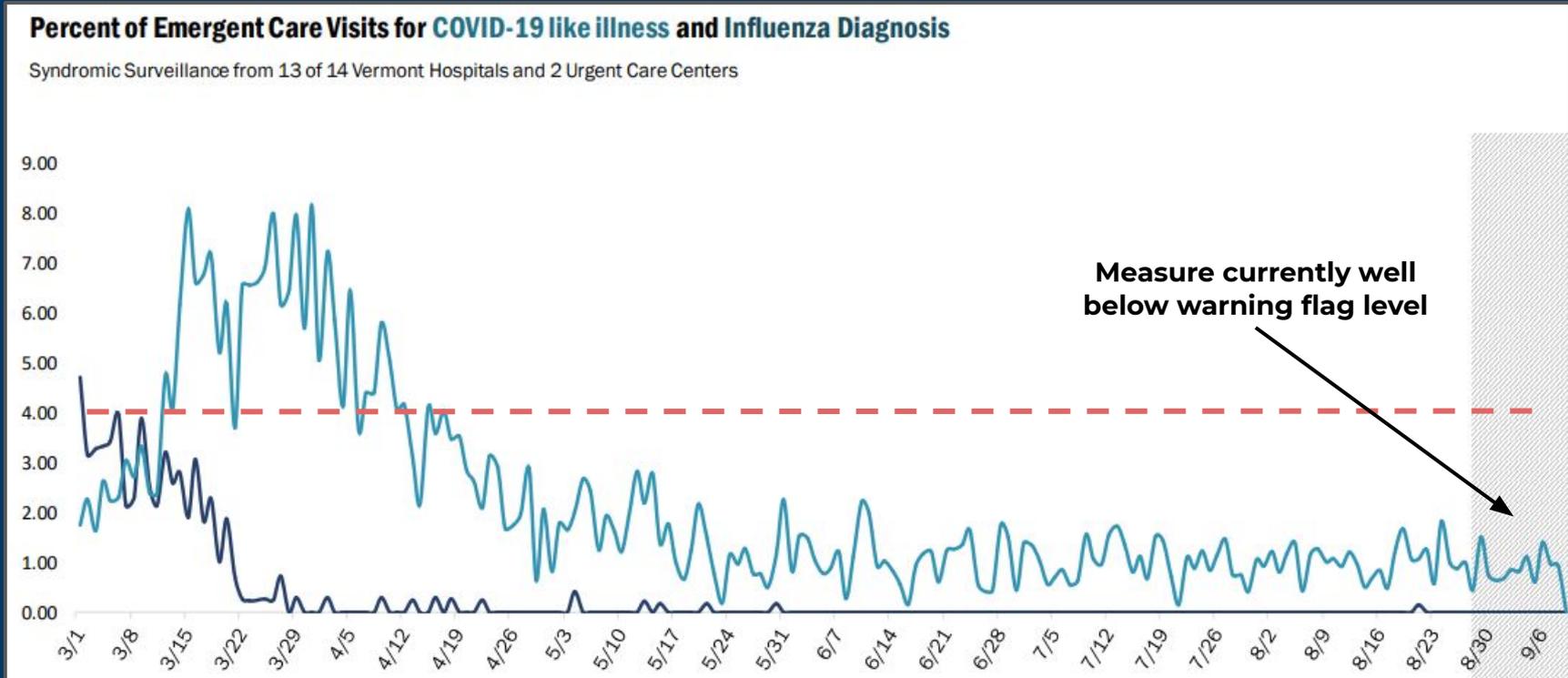
RESTART VERMONT

Reopening Metrics

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

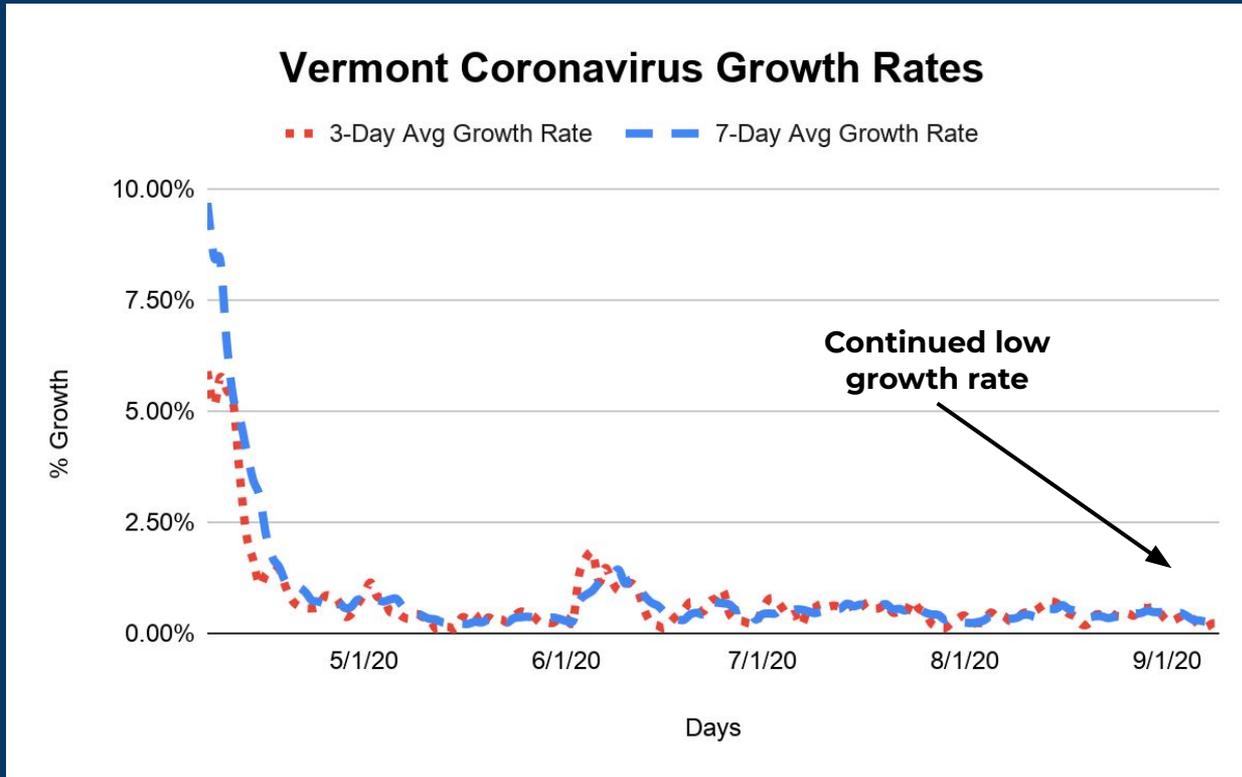
Data Point 1: Syndromic Surveillance

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



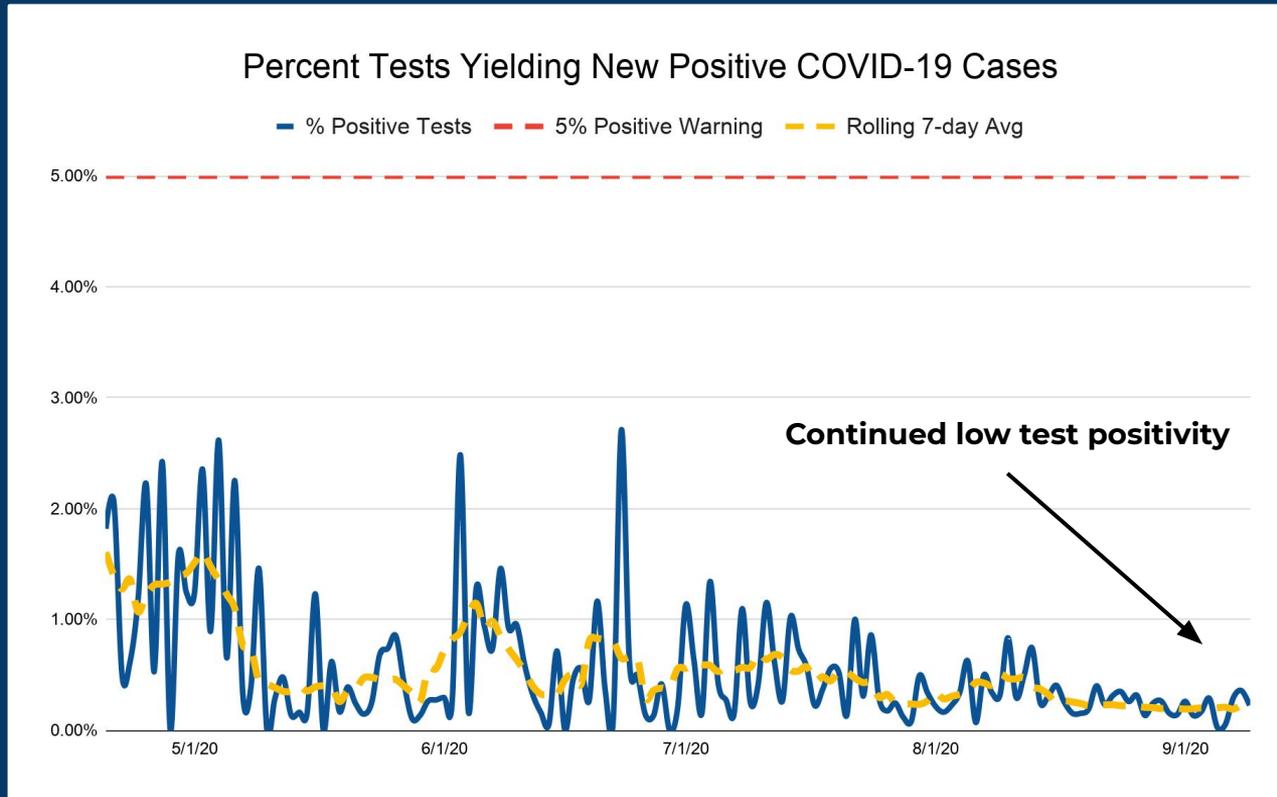
Data Point 2: Viral Growth and Reproductive Rates

- **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% of open ICU beds



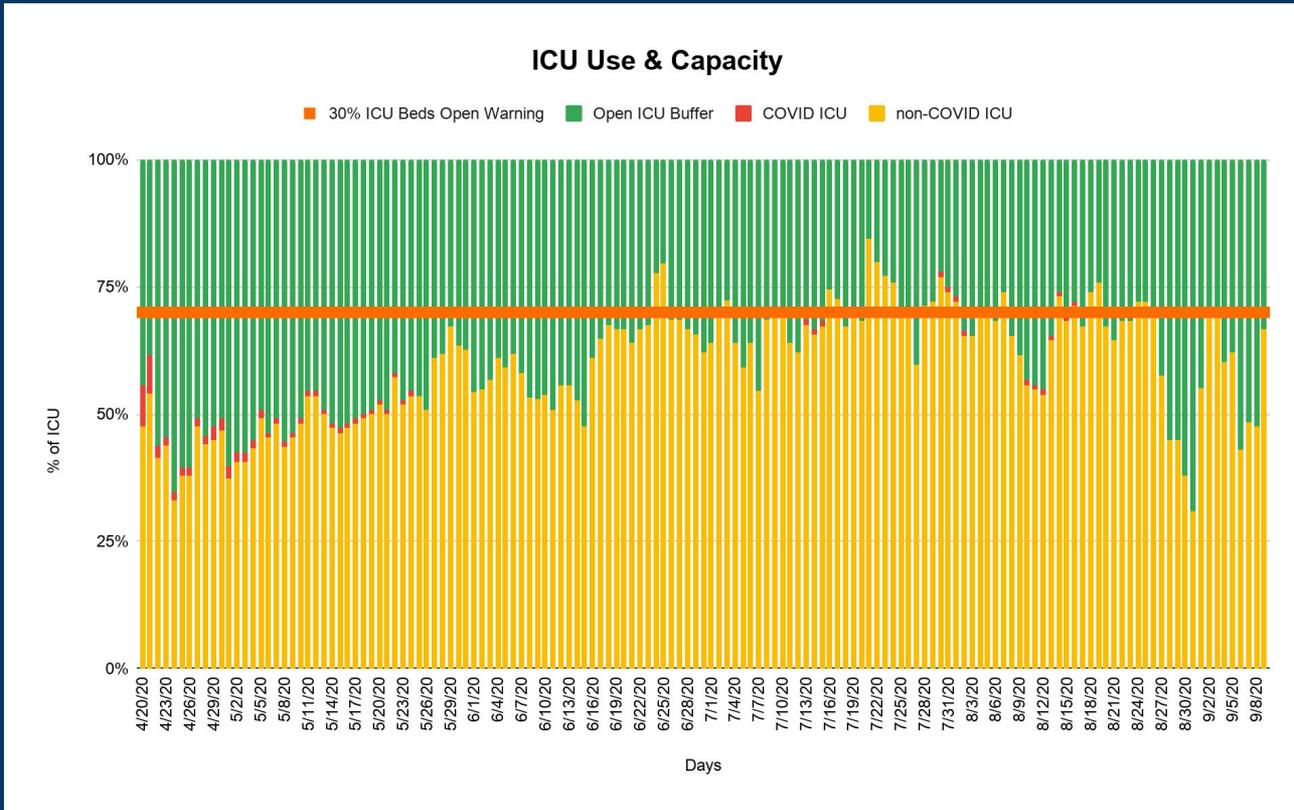
Data Point 3: Percentage of New Positive Tests

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



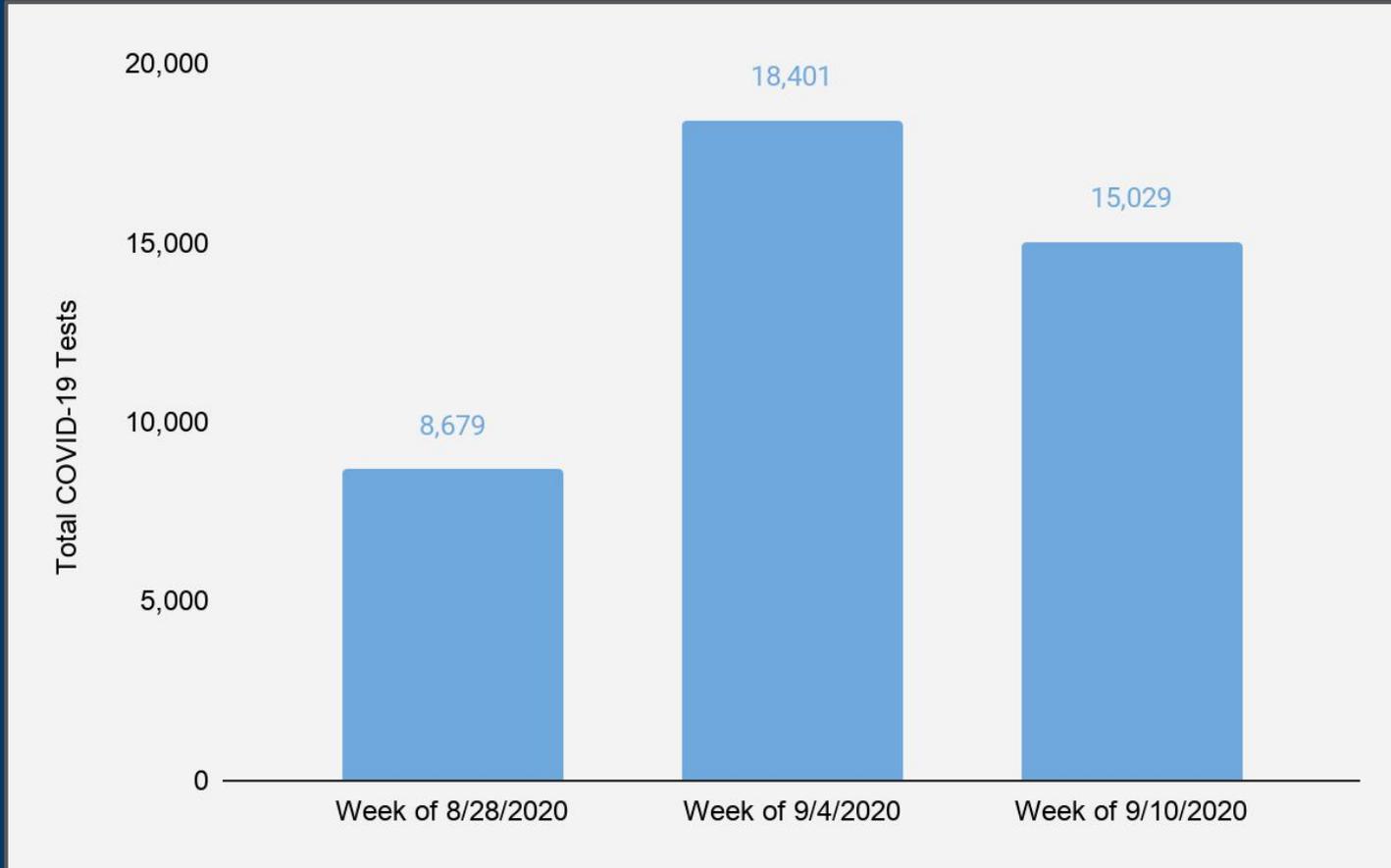
Data Point 4: Hospital & Critical Care Beds

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



Higher Education Update

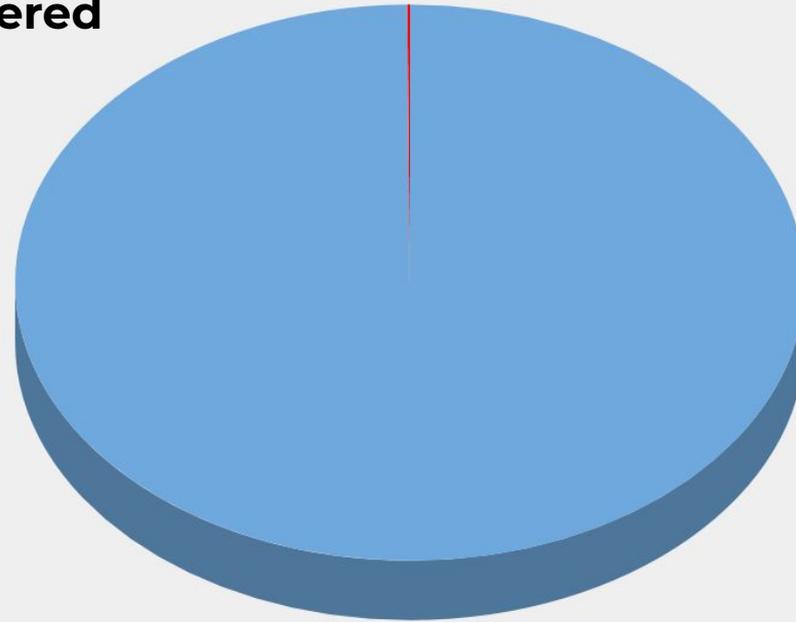
Vermont Colleges & Universities Testing Volume by Week



Cumulative Test Results for Vermont Colleges & Universities as of September 10, 2020

**42,109 Tests
Administered**

38 Positive Tests



0.09% Positivity Rate

Regional Higher Education Restart

		Total Tests	Positives	Positivity Rate
New Hampshire*		70,671	110	0.16%
Maine*		39,739	42	0.11%
Vermont		42,109	38	0.09%

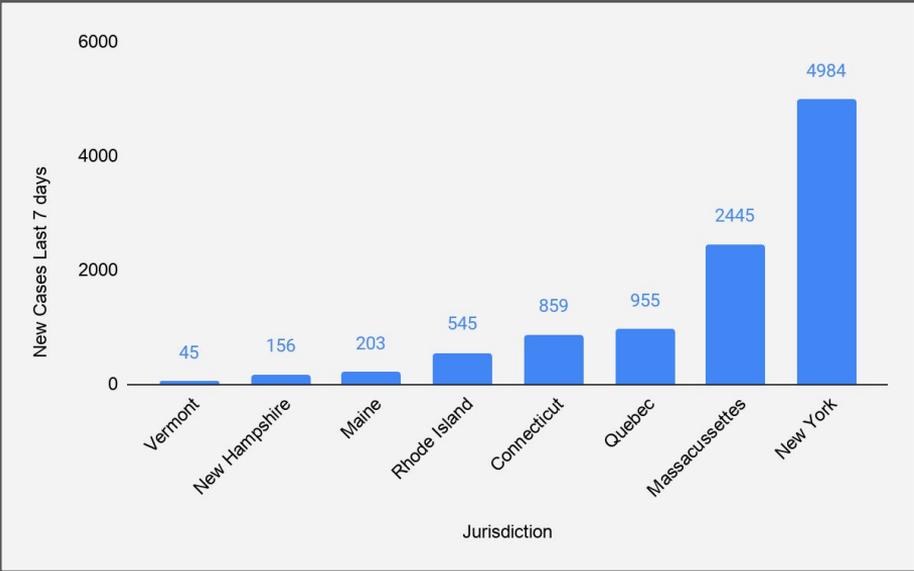
* Includes colleges & universities that publicly provide COVID-19 testing data.

Regional Data

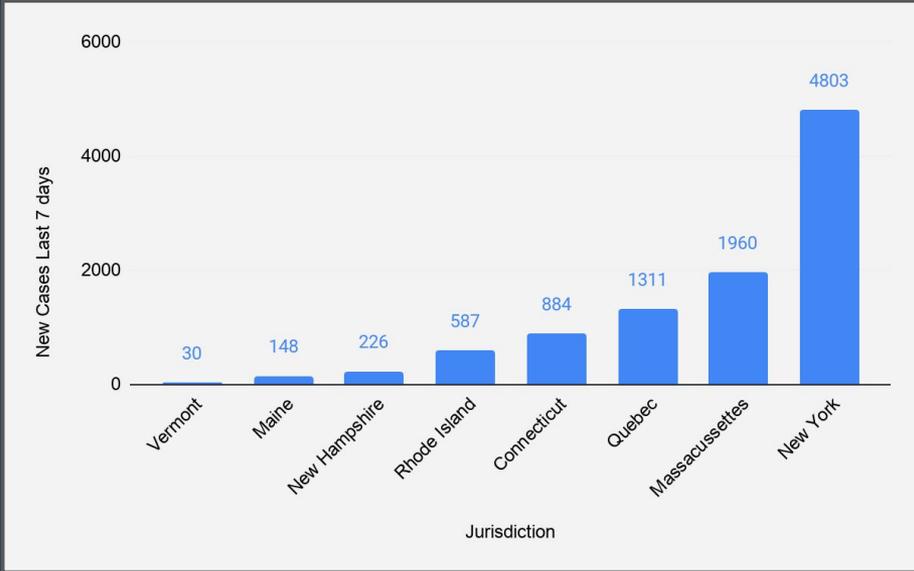
Regional Monitoring: New Cases Week Over Week

2.39% Decrease in New Confirmed Cases

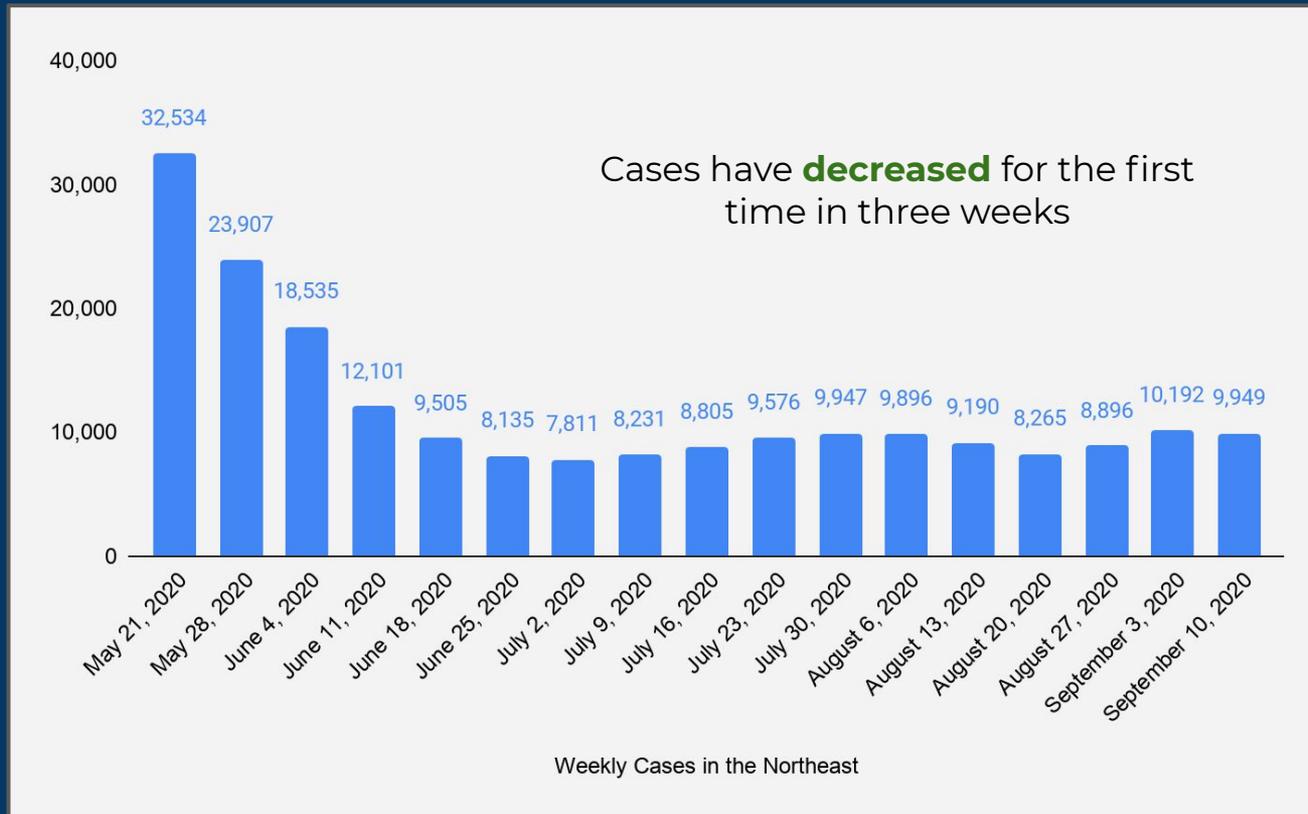
Positive Cases August 28th to Sept. 3rd



Positive Cases Sept. 4th to Sept. 10th

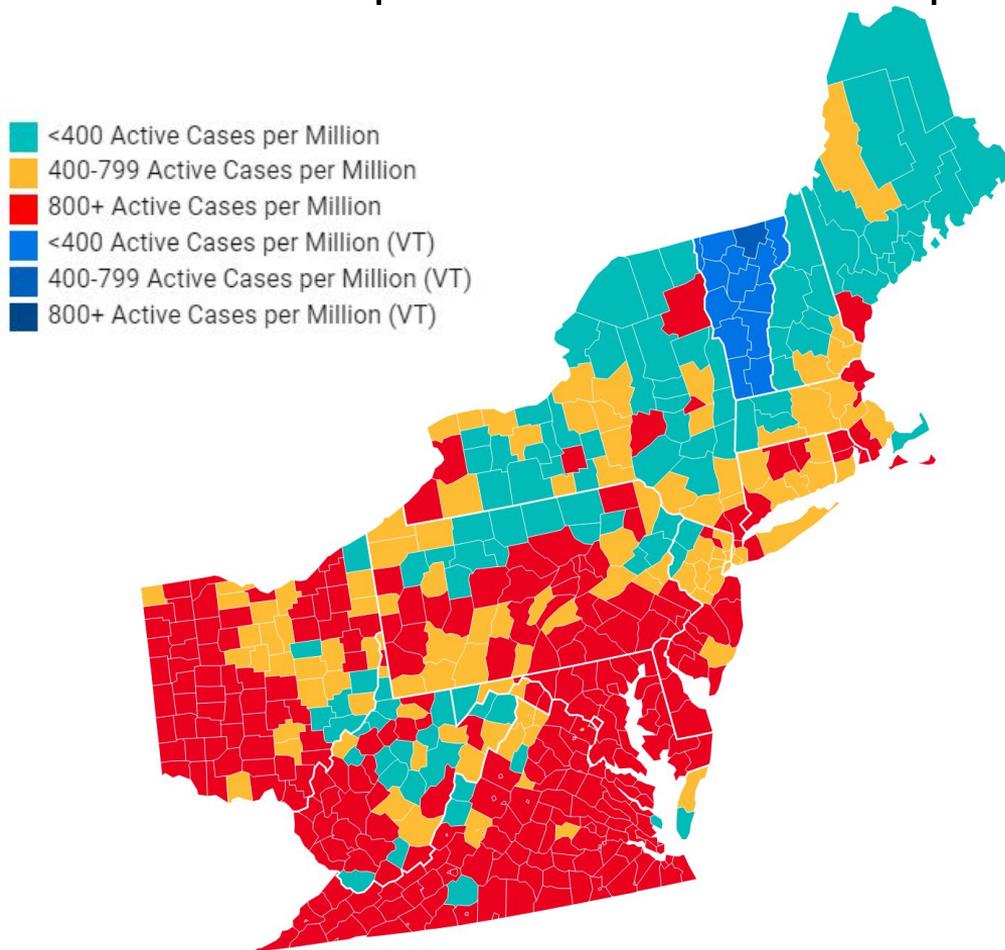


Regional Monitoring: Week Over Week Case Growth Since May 21, 2020



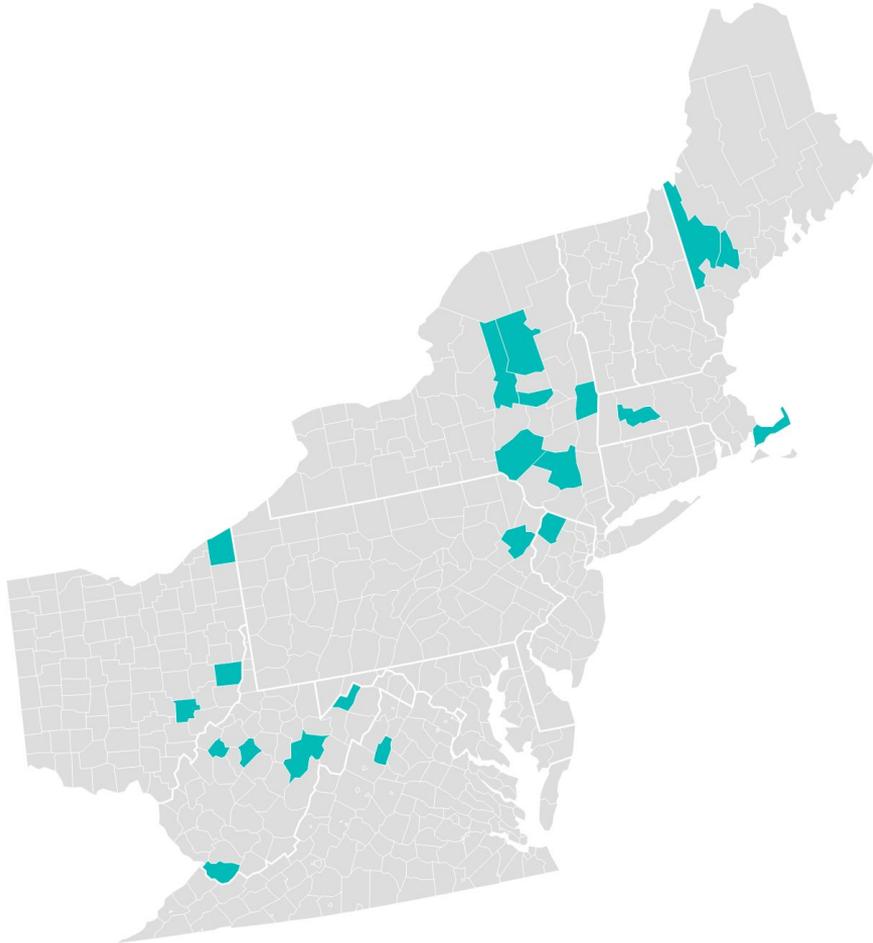
Travel Map Update

Updated Travel Map

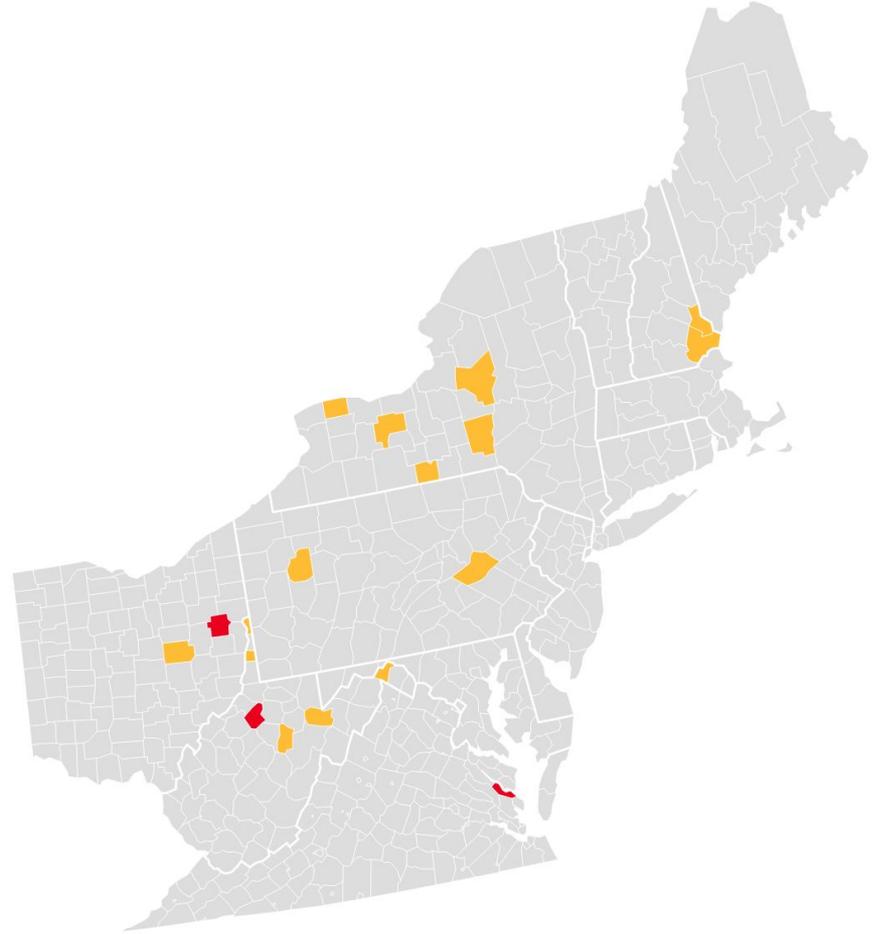


Source: Raw data from Johns Hopkins University—September 11, 2020 (dynamic map available at Vermont ACCD site)

Improving: Moving from Yellow or Red to Green



Worsening: Moving to Yellow or Red



Updated Travel Map

