Photo: @VermontTourism

Office of Governor Philip B. Scott

COVID-19

VERMONT'S RESPONSE

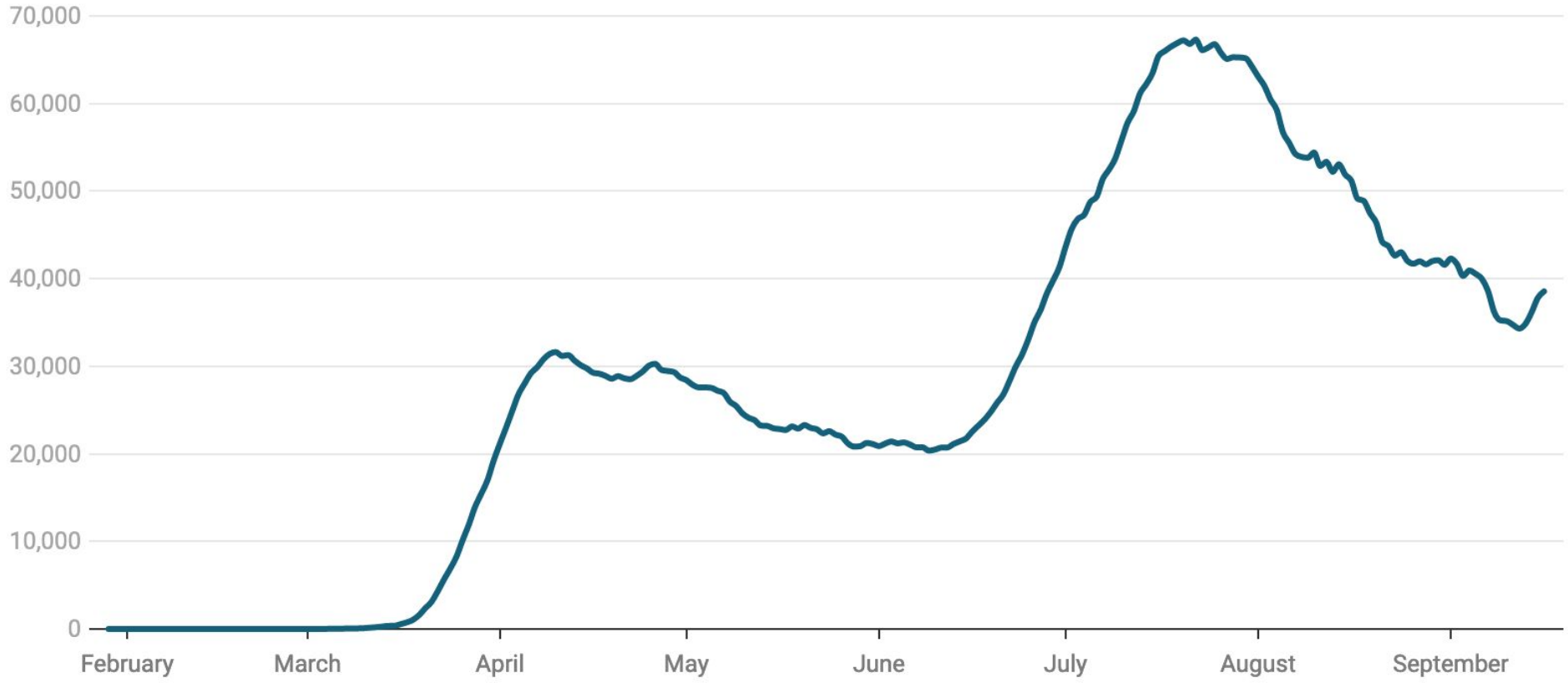
Friday, Sept. 18, 2020

@GovPhilScott

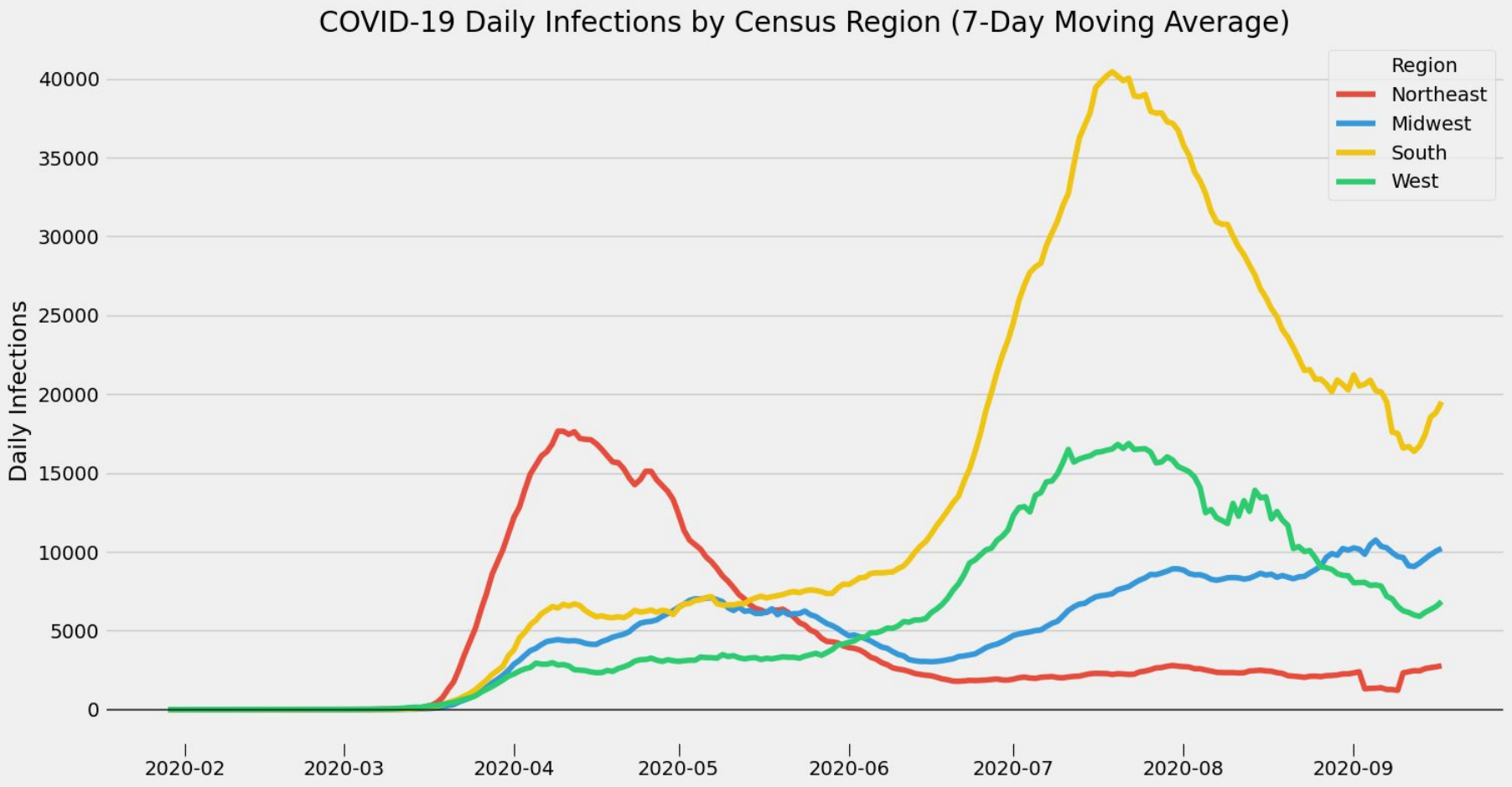
COVID-19 Modeling
September 18, 2020

Presentation available at:
dfr.vermont.gov

New confirmed COVID–19 cases per day



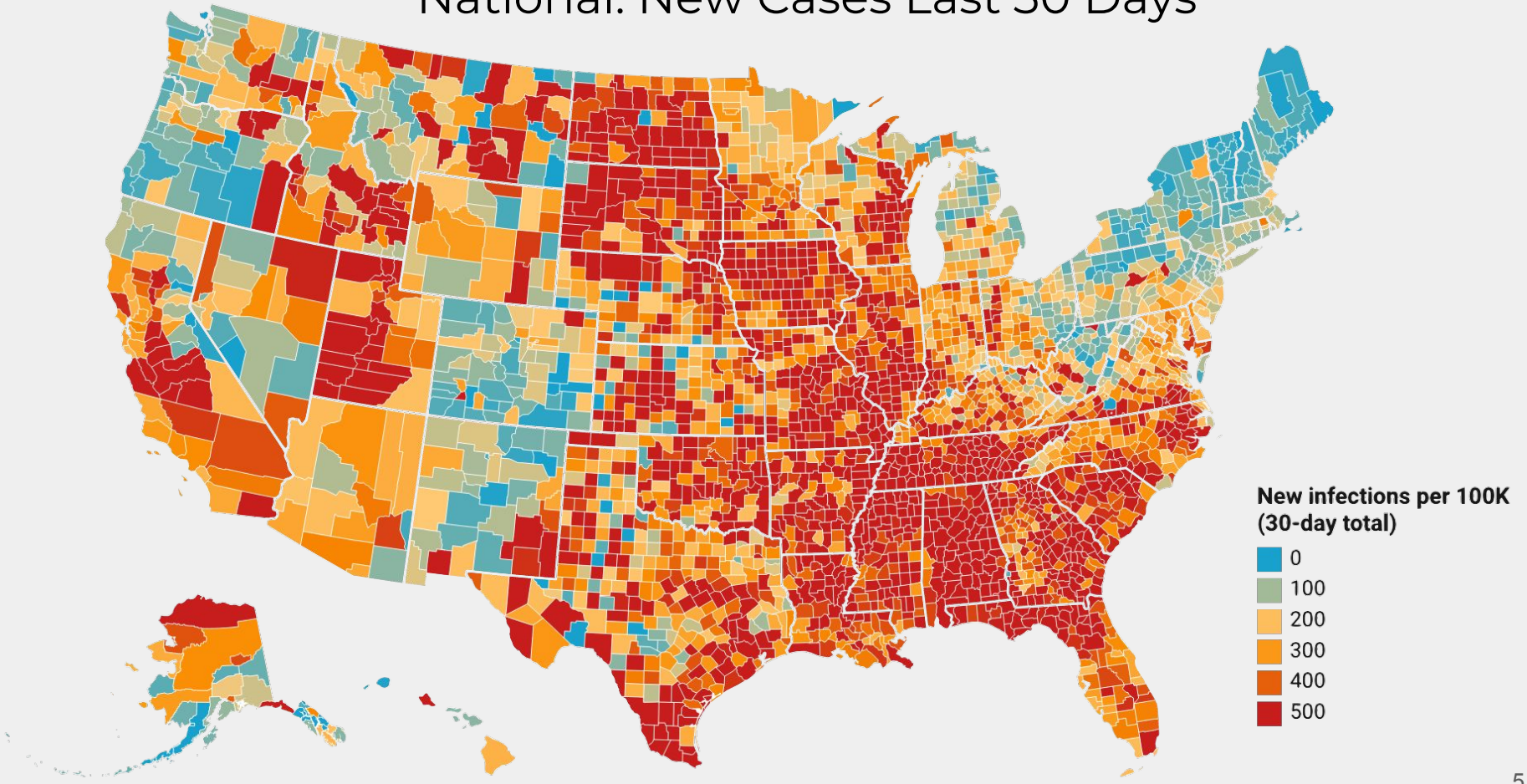
Source: Raw data from Johns Hopkins University—September 17, 2020



Source: Johns Hopkins University

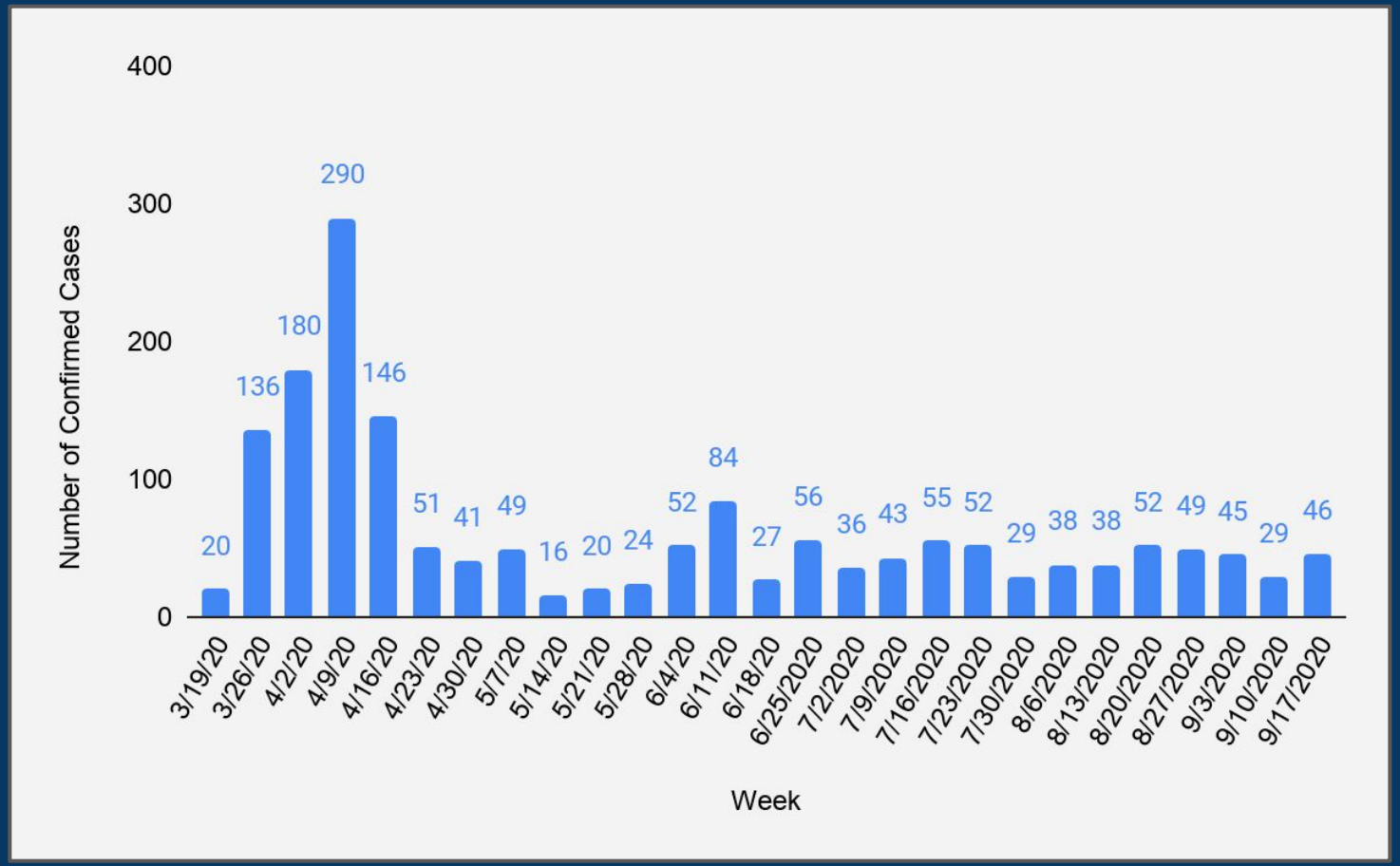
09/18/2020

National: New Cases Last 30 Days



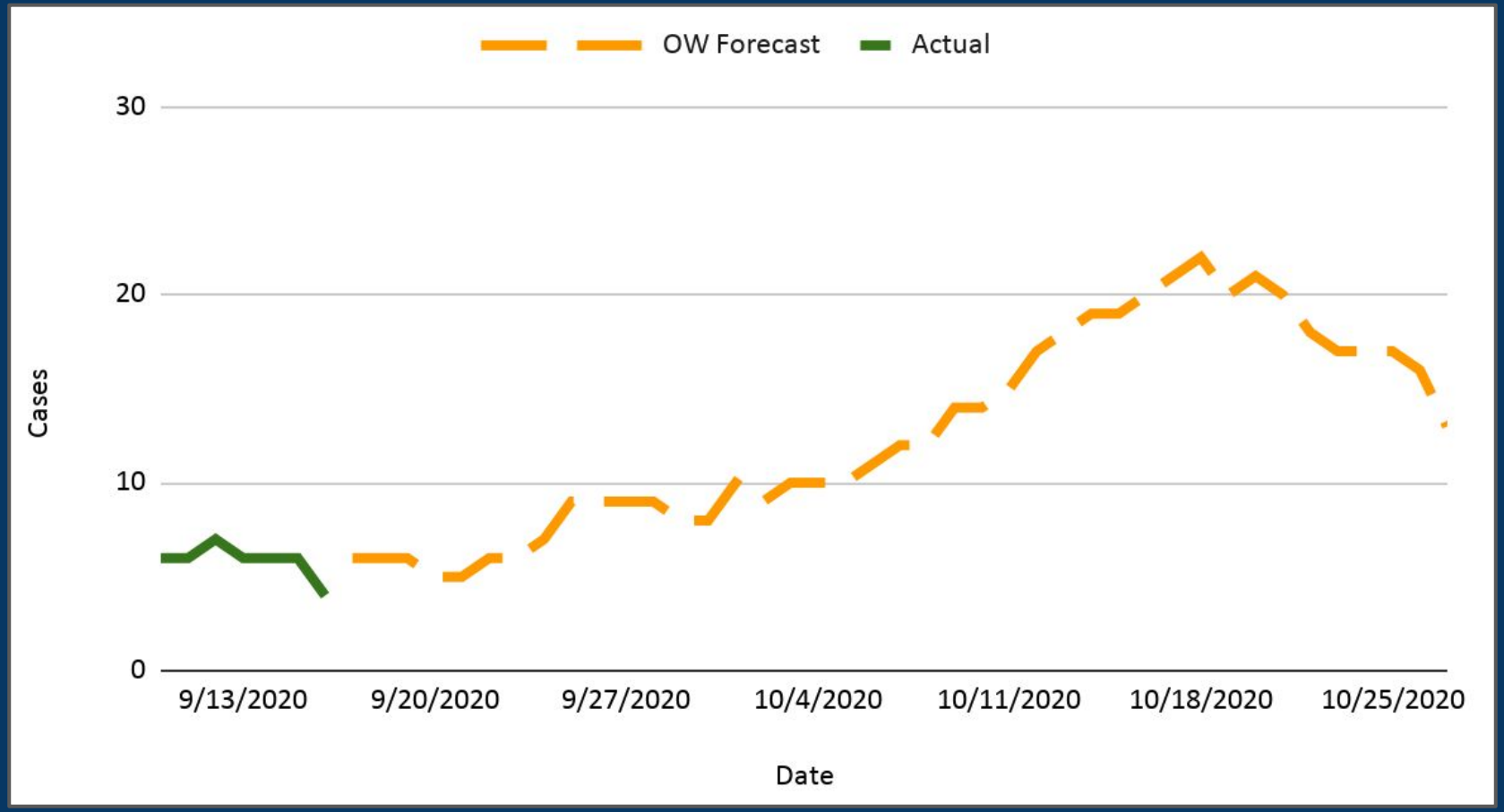
Source: Raw data from Johns Hopkins University—September 17, 2020

Vermont Weekly Totals



Sources: Vermont Department of Health (week ending Thursday)

Vermont Forecast September 18th to October 20th



Source: Oliver Wyman Forecast Model - September 17, 2020

RESTART VERMONT

Reopening Metrics

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

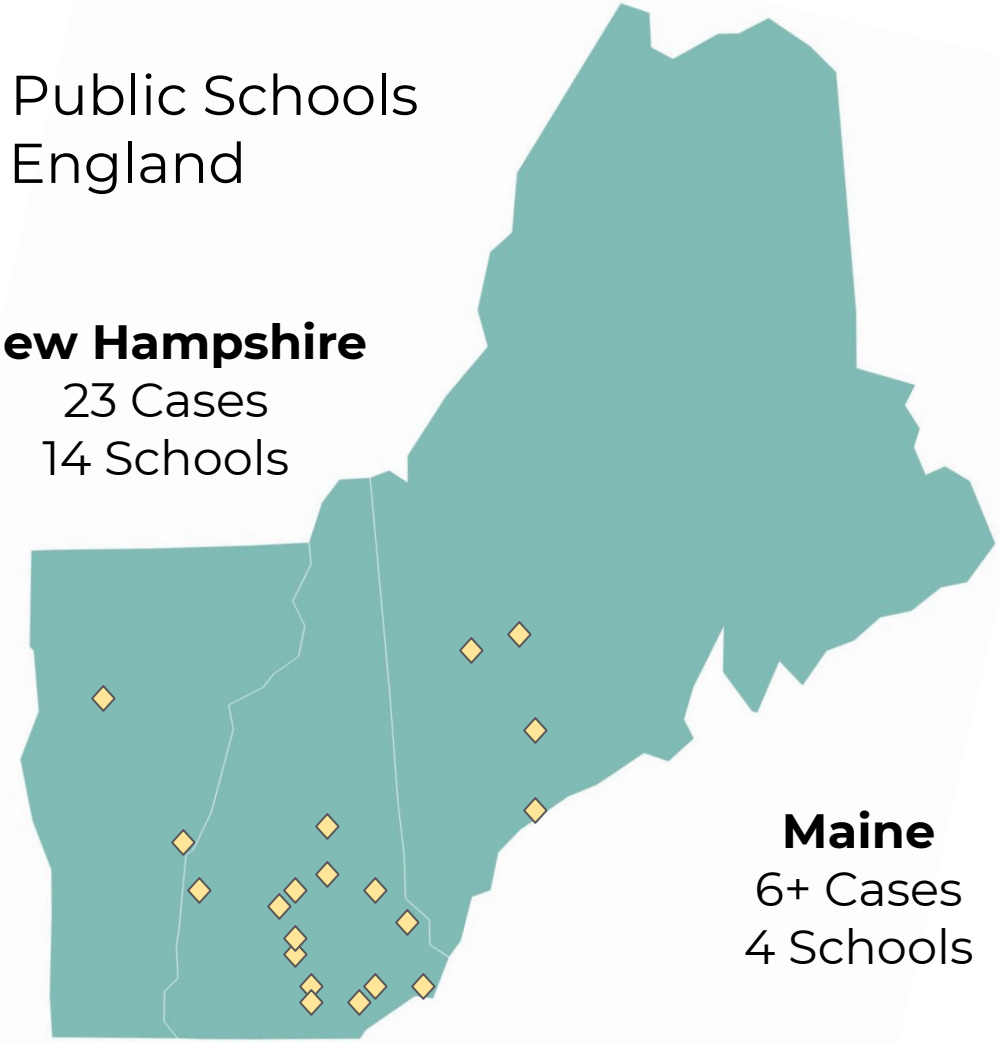
K-12 & Higher Education Update

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

New Hampshire
23 Cases
14 Schools

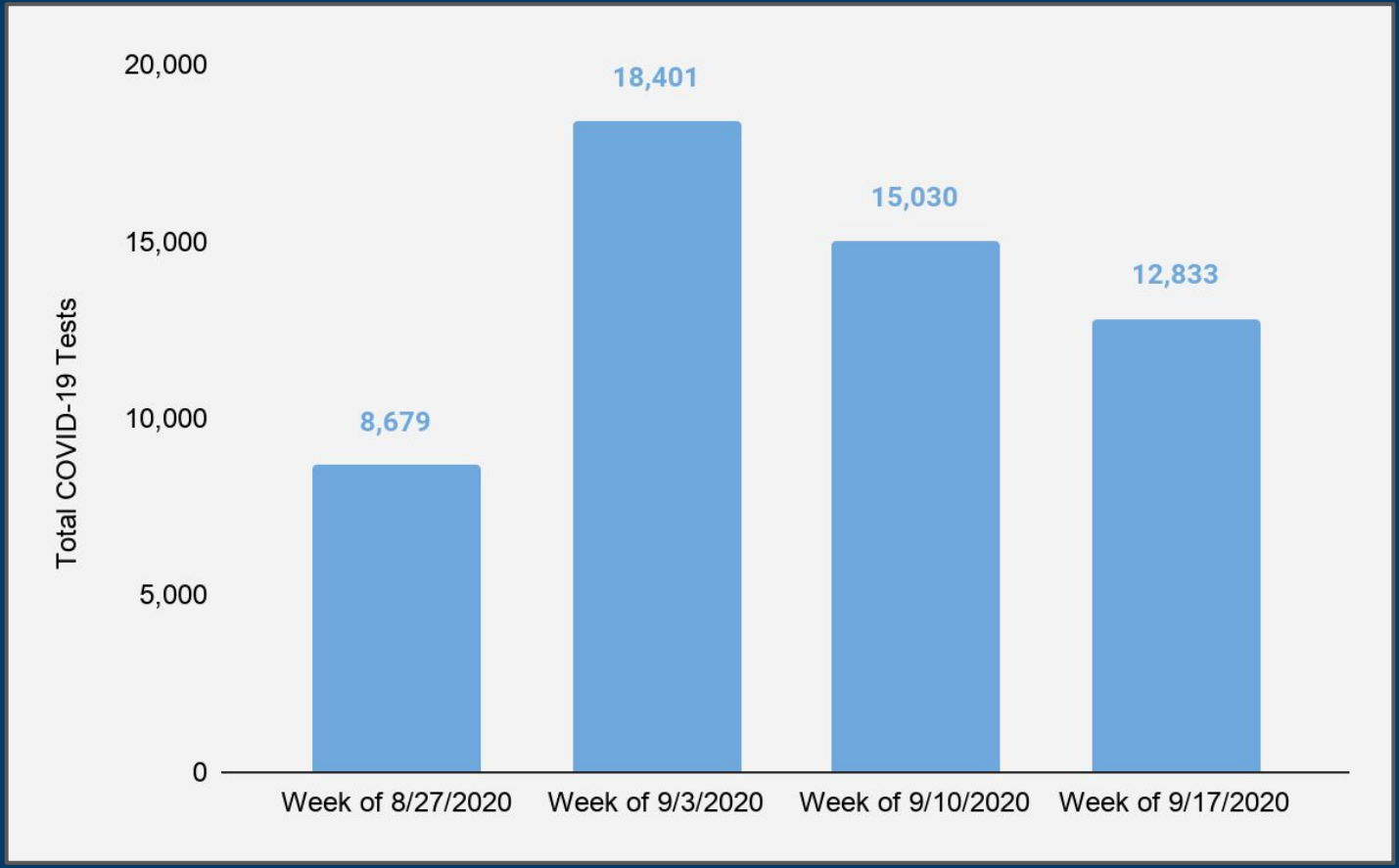
Vermont
3 Cases

- 1 Hartford High School
  Hartford, VT
- 2 Crossett Brook Middle school
  Duxbury, VT

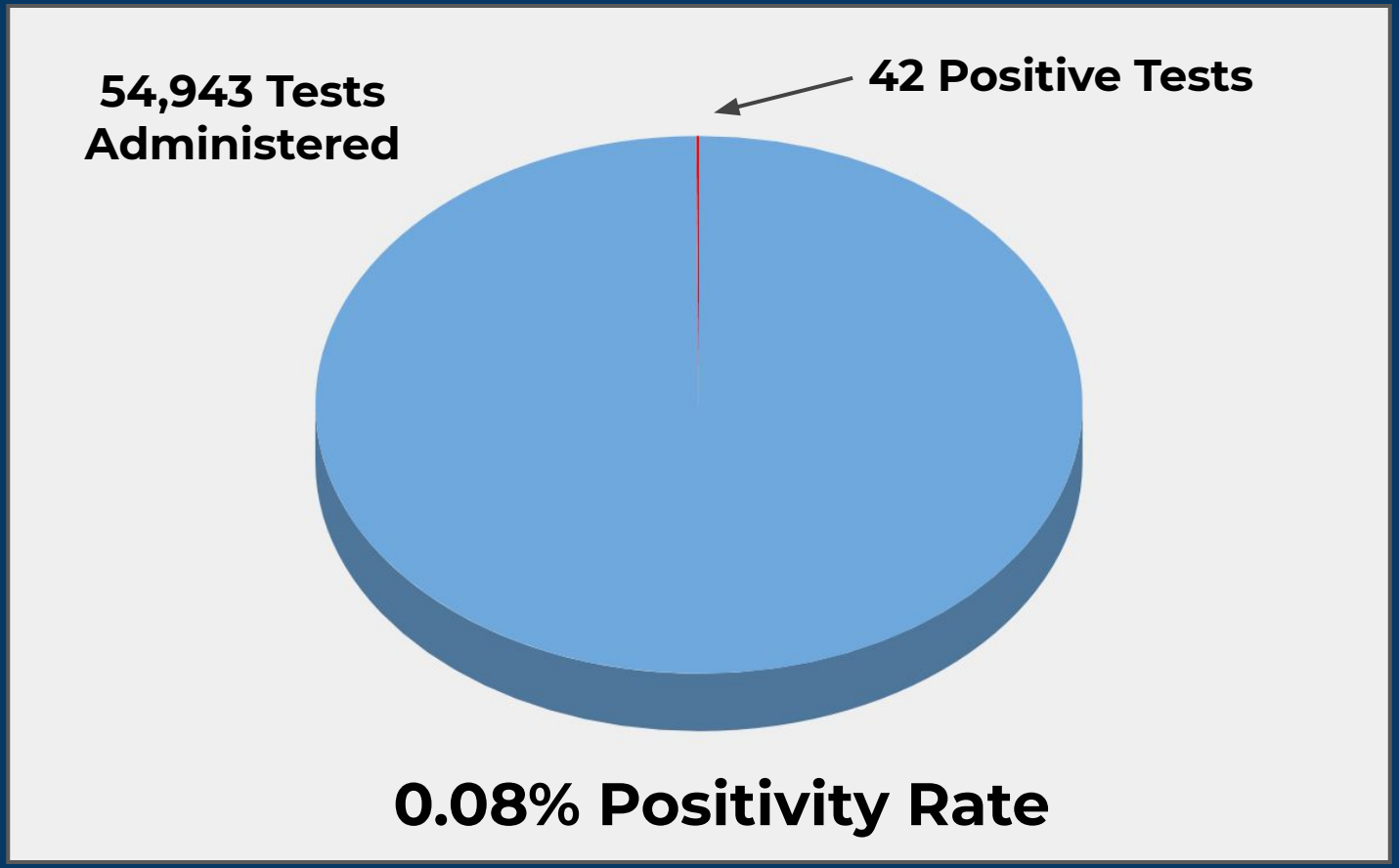


Maine
6+ Cases
4 Schools

Vermont Colleges & Universities
Testing Volume by Week



Cumulative Test Results for Vermont Colleges & Universities as of September 17, 2020



Individual Test Results for Vermont Colleges & Universities as of September 17, 2020

College / University	Total Tests	Total Positives	Dashboard / Public Information
Middlebury College	5612	2	https://www.middlebury.edu/office/midd2021/covid-reporting-dashboard
University of Vermont	31236	25*	https://www.uvm.edu/returntocampus/uvm-weekly-testing-report
Norwich University	4816	5	https://www.norwich.edu/news/psa
Northern Vermont University	2491	0	https://www.northernvermont.edu/nvu-during-covid-19
Castleton University	1074	2	https://www.castleton.edu/covid-19-coronavirus-updates/covid-19-test-results/
Vermont Technical College	358	3	https://www.vtc.edu/update-on-the-covid-19-coronavirus/
Saint Michael's College	2001	0	https://www.smcvt.edu/return-to-campus/
Sterling College	86	0	Does not have a public dashboard at this time
Champlain College	4720	1	https://view.champlain.edu/champlain-college-covid-19-testing-dashboard/
Bennington College	1415	3	https://www.bennington.edu/covid-19-updates-and-information
Vermont Law School	161	0	Remote learning for Fall 2020 - Some students using campus facilitites
Landmark College	875	1	https://www.landmark.edu/student-life/health-counseling-wellness/covid-19/covid-19-dashboard
Albany College of Pharmacy	98	0	https://www.acphs.edu/health-safety
Totals	54943	42	

Note: Goddard College, Vermont College of Fine Arts, Community College of Vermont

* Reconciling data that could possiblity remove up to 6 cases from the UVM count.

National Higher Education Analysis

Avg **47** cases per 100,000 over the past 30 days

Avg **381** cases per 100,000 over the past 30 days

Avg **786** cases per 100,000 over the past 30 days

State	Daily Infections per 100K Trend		Monthly Infections per 100K
Vermont	1.3	1	30
New Hampshire	1.6	2.2	55
Maine	1.8	2.2	55
Virginia	10.9	11.6	339
Indiana	12.3	13.6	400
North Carolina	11.2	12	405
Alabama	19.5	18	649
Iowa	16.1	21.5	746
North Dakota	18.7	42.7	964
National Average	10.4	13.9	405

Source: Raw data from Johns Hopkins University—September 17, 2020

Low Prevalence States
0.10% Combined Average Positivity Rate

	Total	Positives	Positivity Rate
New Hampshire*	113,976	142	0.12%
Maine*	48,946	42	0.07%
Vermont	54,943	42	0.08%

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

Average Prevalence States
2.94% Combined Average Positivity Rate

	Total Tests	Positives	Positivity Rate
North Carolina*	60,527	4,342	7.17%
Indiana*	236,558	3,914	1.65%
Virginia*	173,737	1,723	4.03%

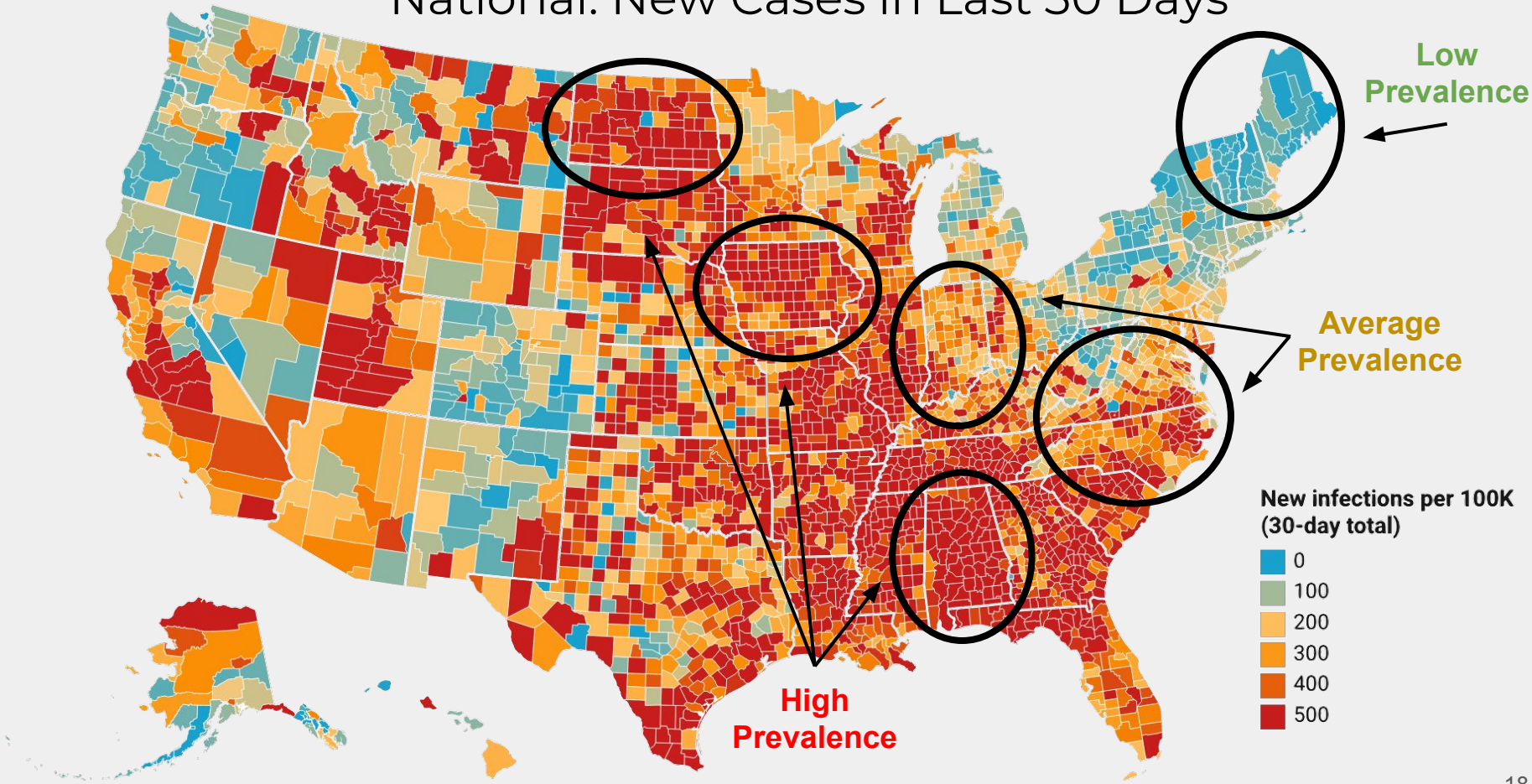
* Includes top ten colleges & universities by enrollment that publicly provide COVID-19 testing data

High Prevalence States
6.03% Combined Average Positivity Rate

	Total Tests	Positives	Positivity Rate
North Dakota*	39,045	1,102	7.35%
Iowa*	81,570	3,049	7.46%
Alabama*	119,308	2,428	4.56%

* Includes top ten colleges & universities by enrollment that publicly provide COVID-19 testing data

National: New Cases in Last 30 Days



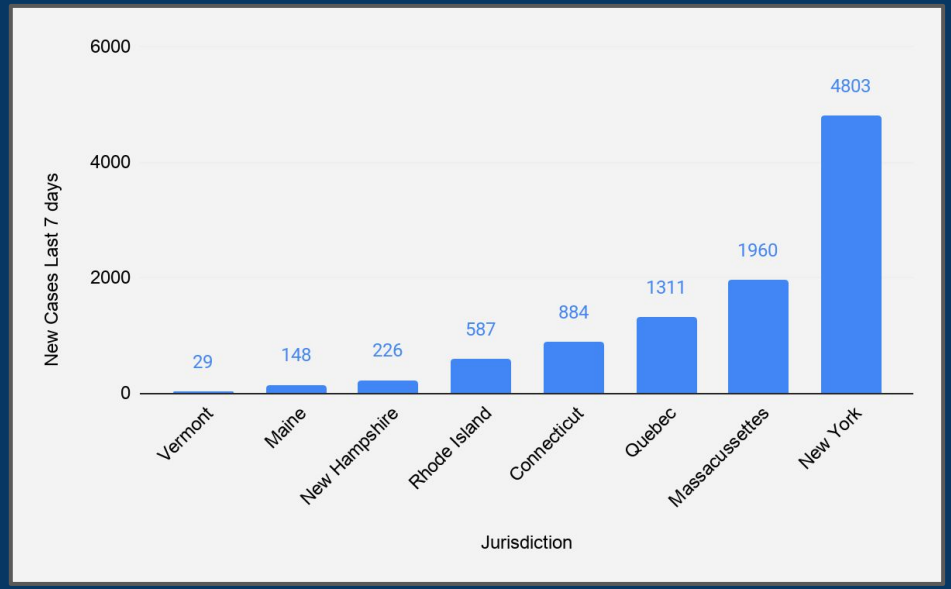
Source: Raw data from Johns Hopkins University—September 17, 2020

Regional Data

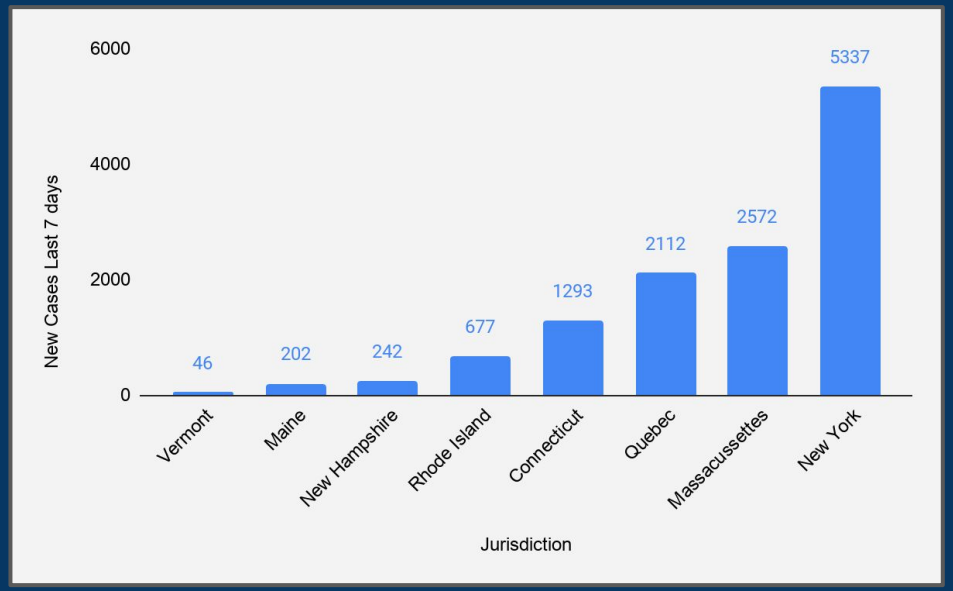
Regional Monitoring: New Cases Week Over Week

25.46% Increase in New Confirmed Cases

Positive Cases Sept. 4th to Sept. 10th

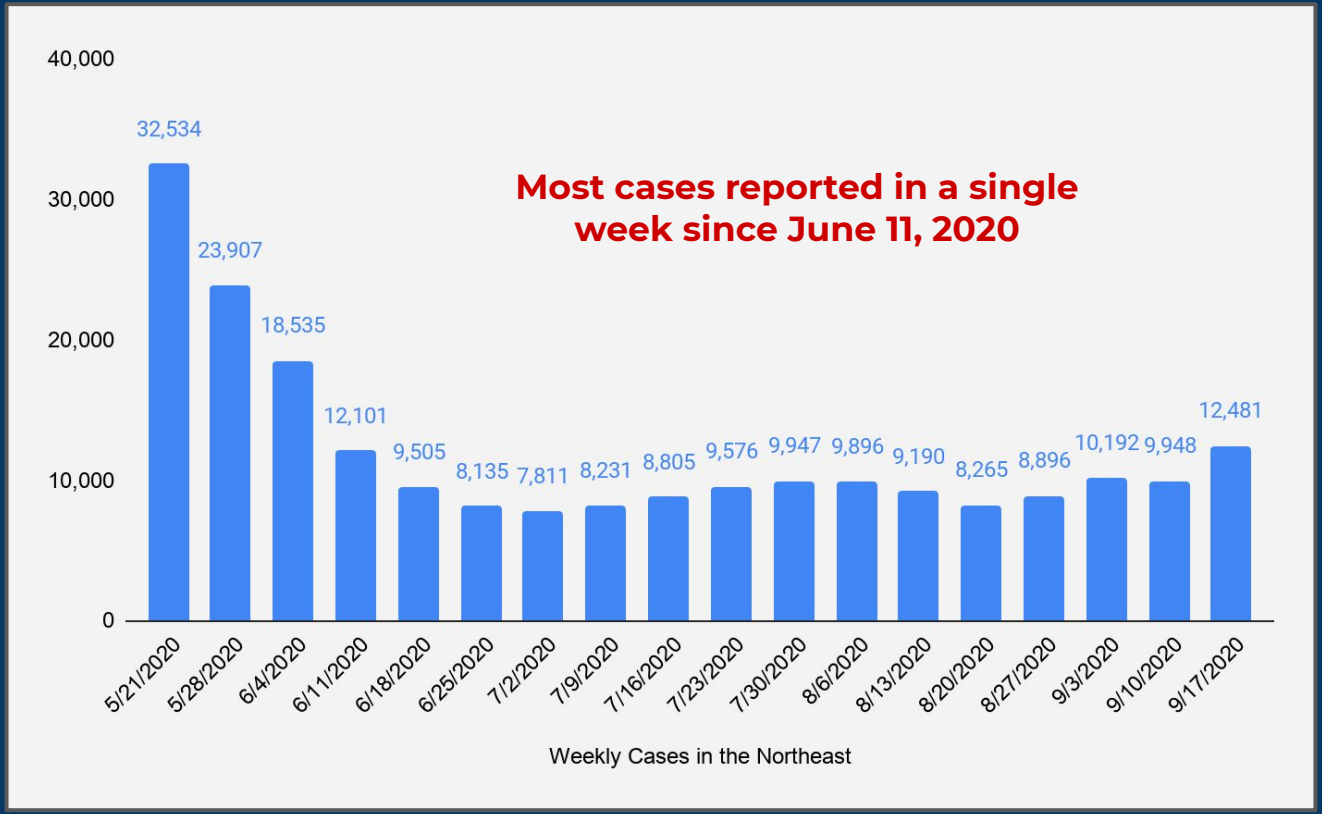


Positive Cases Sept. 10th to Sept. 17th



Sources: COVID-19 Tracking Project, New York Time Covid-19 Database & Government of Quebec

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

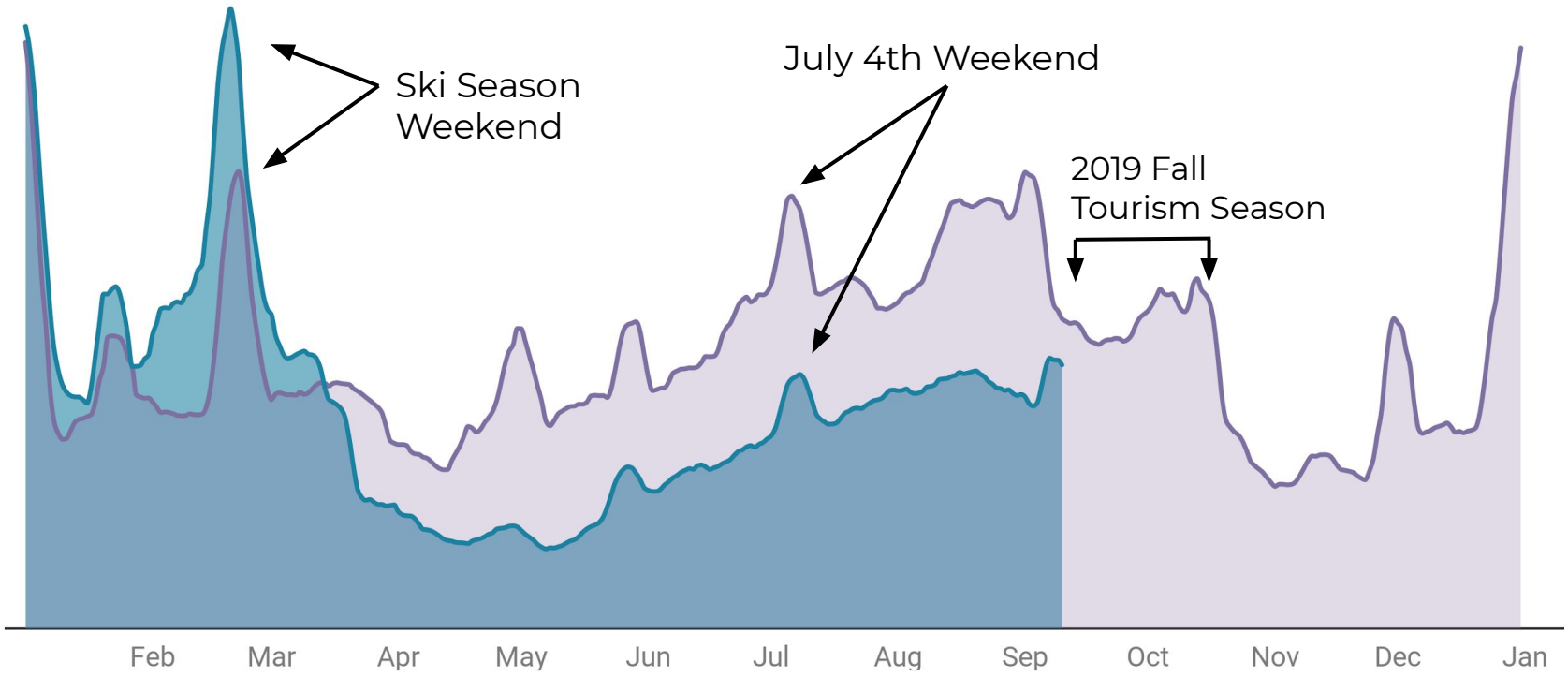


Sources: COVID-19 Tracking Project, New York Time Covid-19 Database & Government of Quebec

Travel Map Update

Out-of-State Visitors to Vermont 2019 vs 2020

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

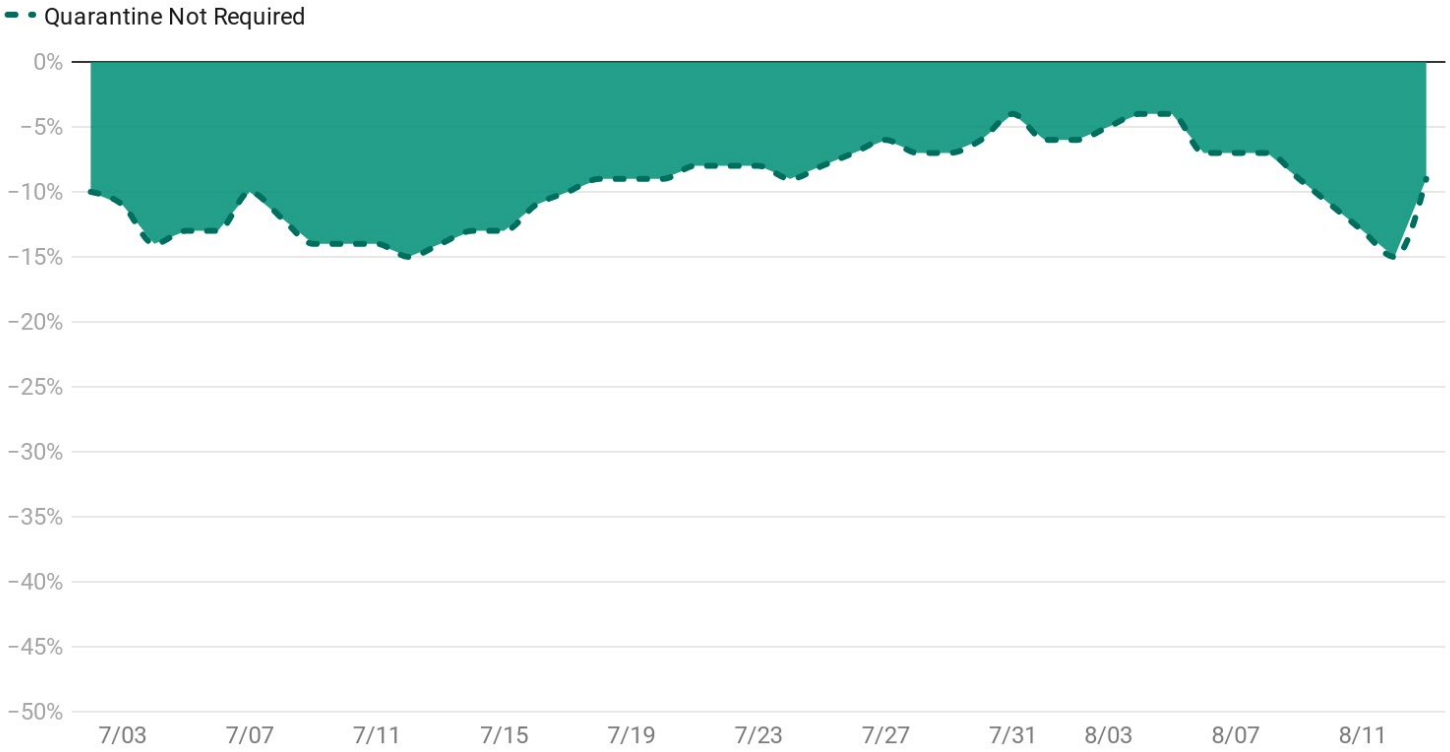


9/14/2020

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

Estimated % Change in Out-of-State Visitors from Counties that were NOT Required to Quarantine

% change in 2020 over same period in 2019 measured using 7-day average # mobile devices from out-of-state

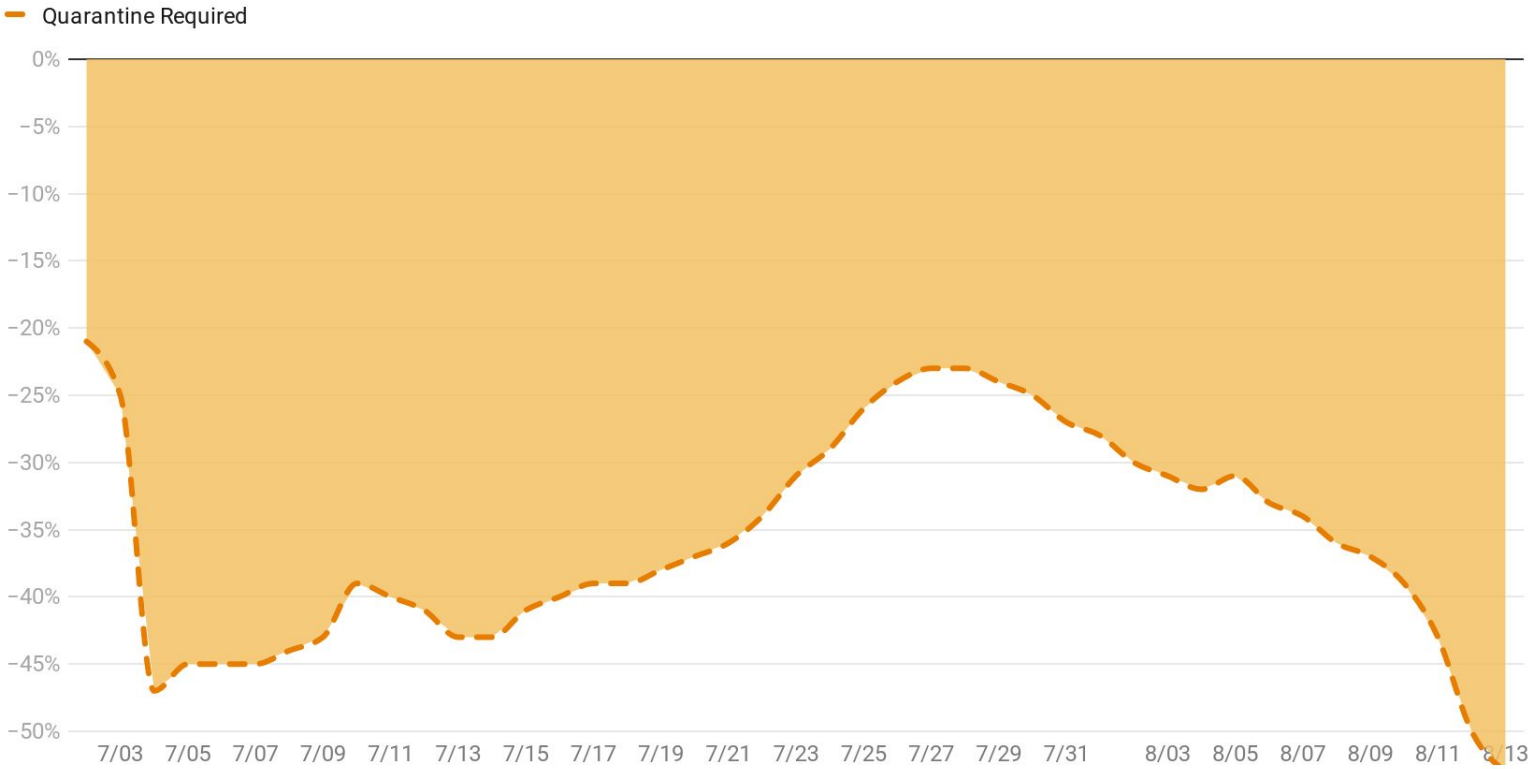


July 2nd to August 13th

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

Estimated % Change in Out-of-State Visitors from Counties that were Required to Quarantine

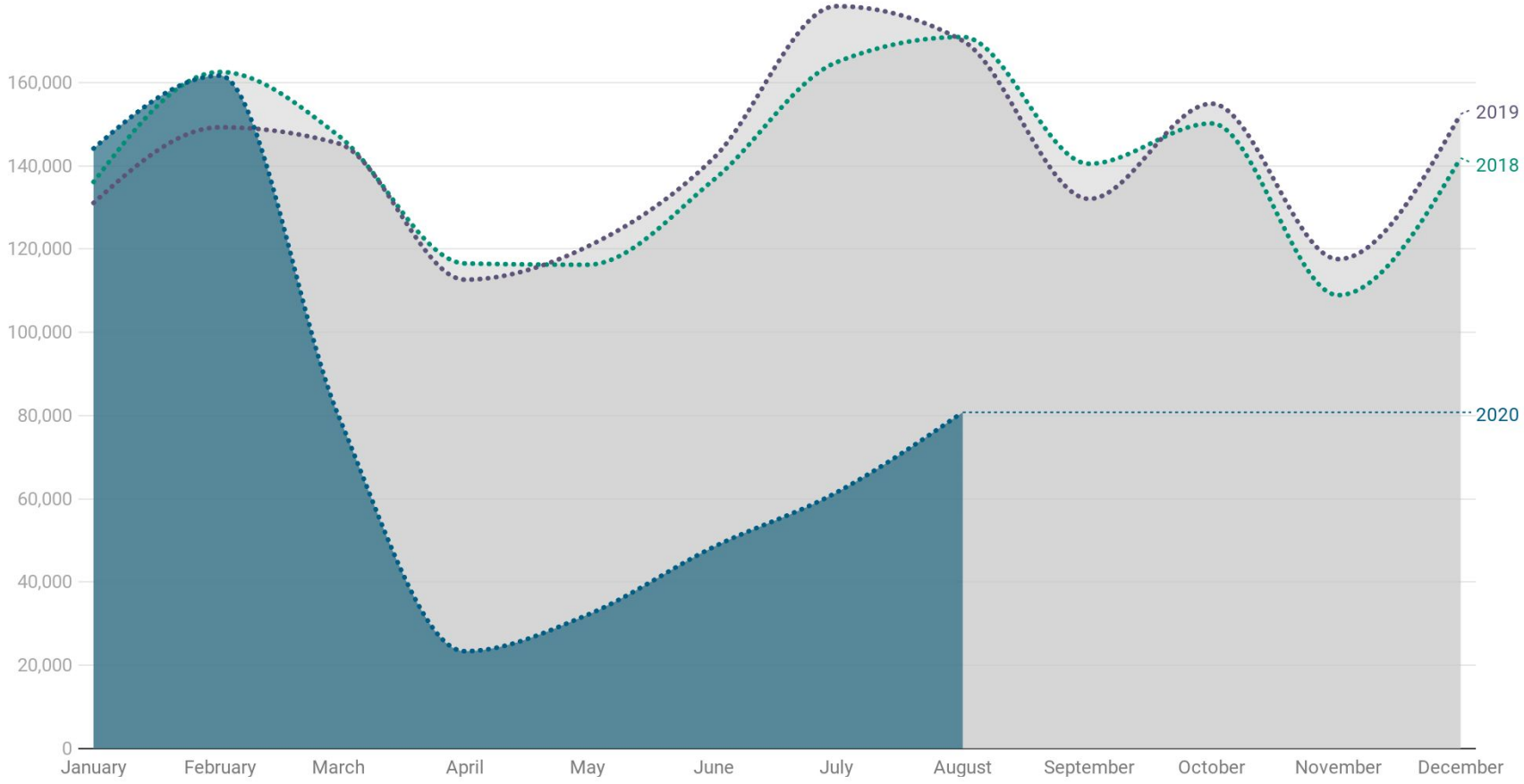
% change in 2020 over same period in 2019 measured using 7-day average # mobile devices from out-of-state



July 2nd to August 13th

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

Estimated Monthly Visitors to Lodging Establishments in Vermont (2018-2020)



Visitors estimated using mobile phone device activity and normalized with American Community Survey population data.

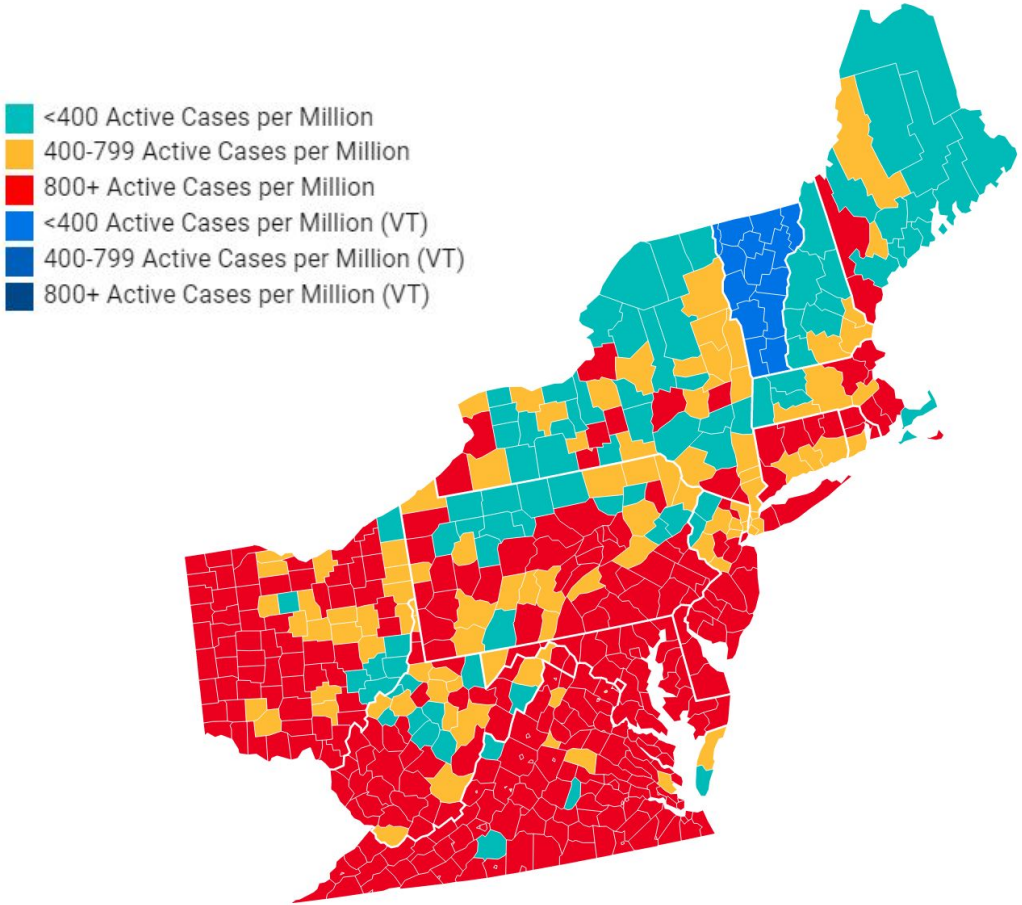
Chart: State of Vermont • Source: Safegraph • Created with Datawrapper

Estimated Change in Number of Out-of-State Visitors Staying at VT Lodging Establishments

Change in **2020** over same period in **2019** estimated using # mobile devices from out-of-state and grouped into counties based on quarantine requirement status. Counties that saw a change in status during this period (July & August) were excluded from analysis.

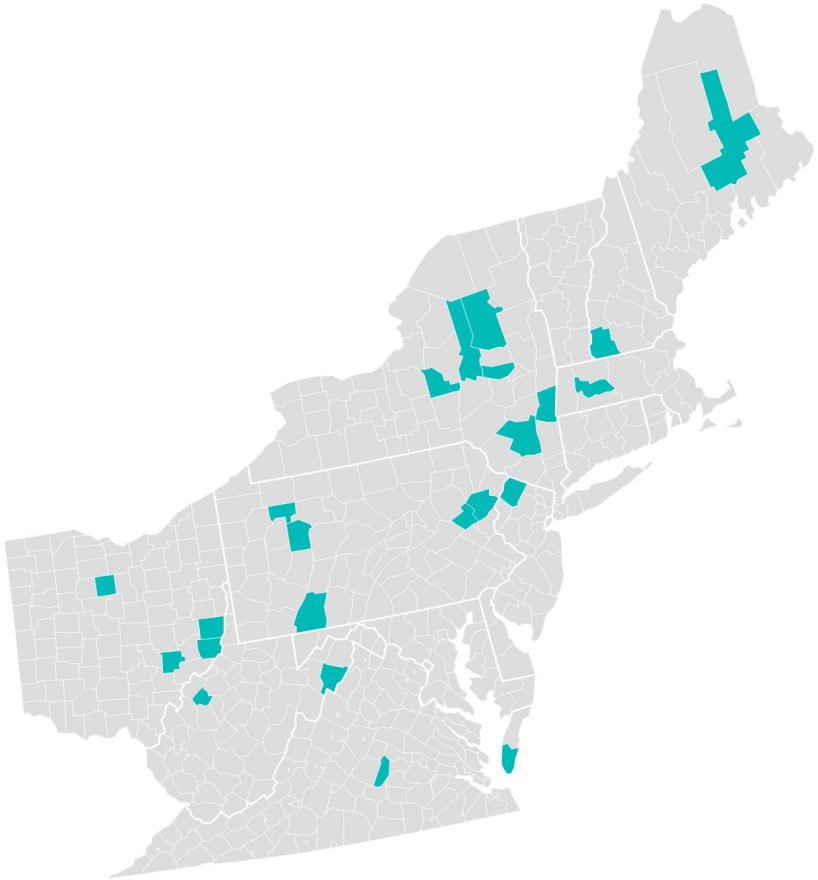
Chart: State of Vermont • Source: SafeGraph • Created with Datawrapper

Updated Travel Map

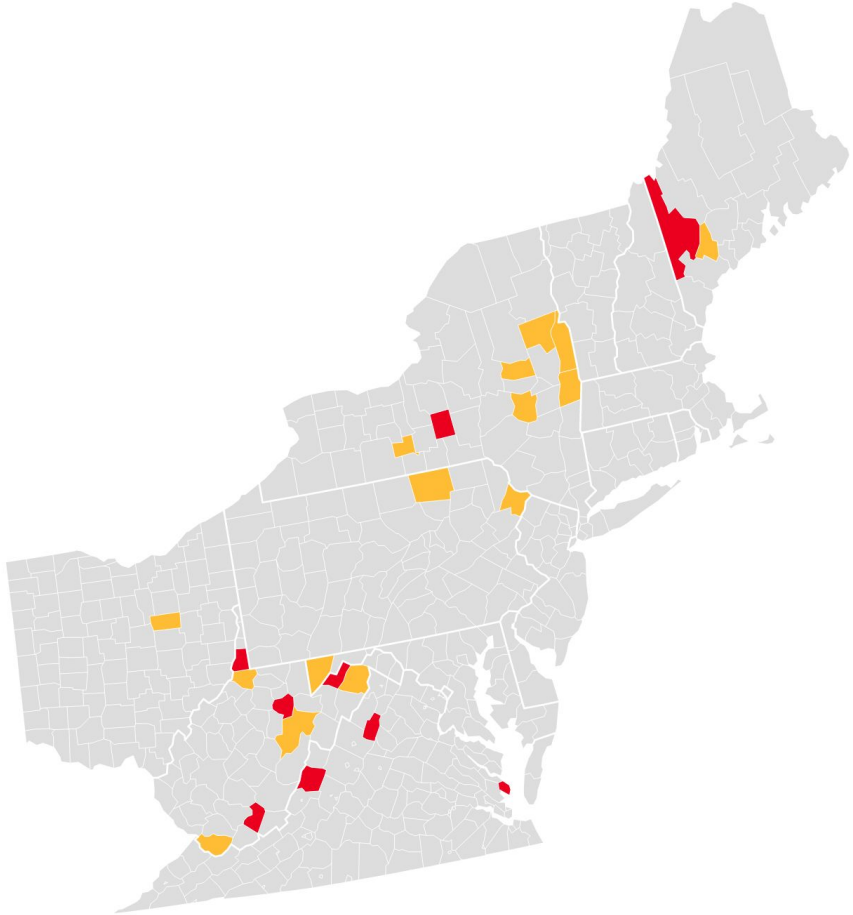


Source: Raw data from Johns Hopkins University—September 18, 2020 (dynamic map available at Vermont ACCD site)

Improving: Moving from Yellow or Red to Green



Worsening: Moving to Yellow or Red



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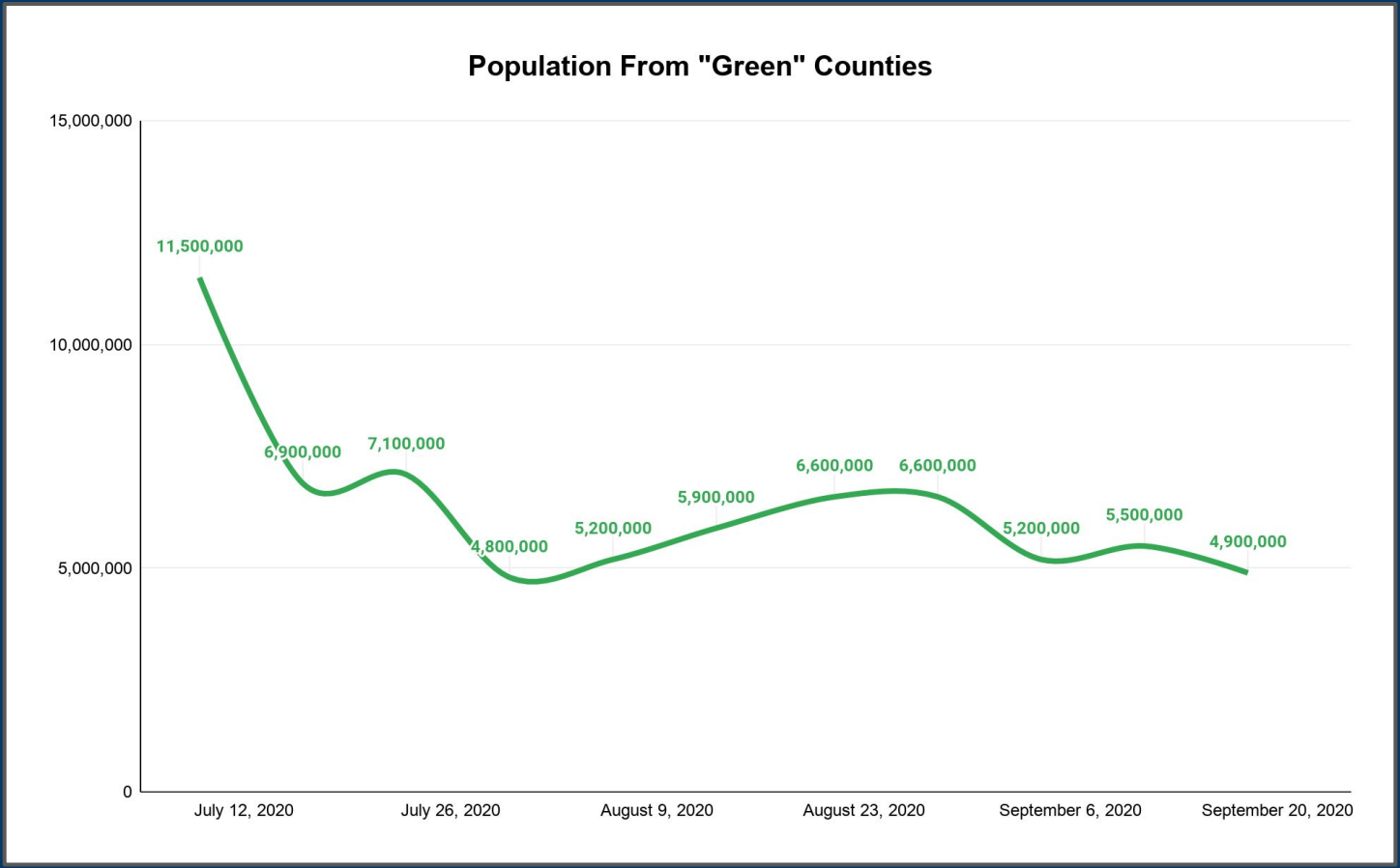

Photo: @VermontTourism

Office of Governor Philip B. Scott

COVID-19

VERMONT'S RESPONSE

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