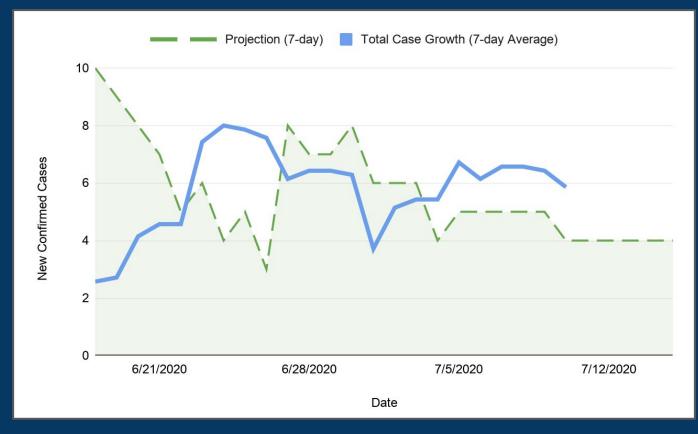
COVID-19 Modeling July 10, 2020

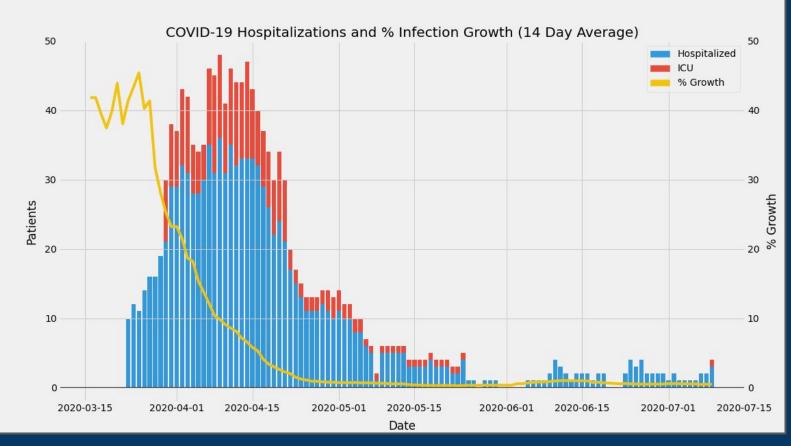
Presentation available at: dfr.vermont.gov

Weekly Data & Forecast July 3, 2020 to July 10, 2020

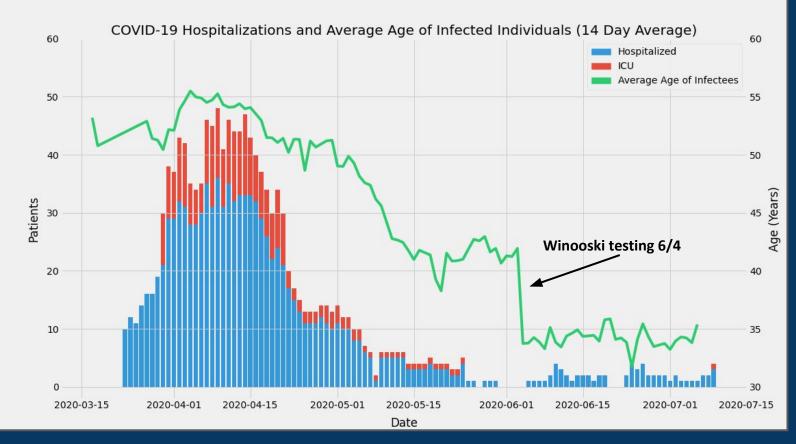
Forecast vs Actual June 18th to July 15th 7-Day Rolling Average



Vermont: Data Update

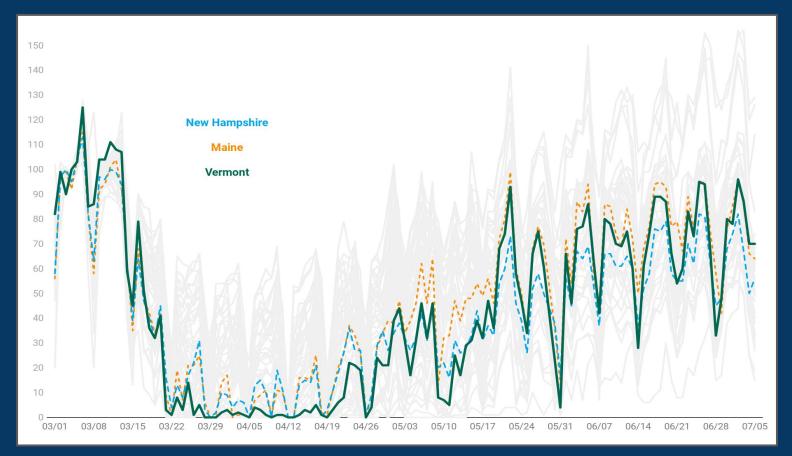


Vermont: Data Update

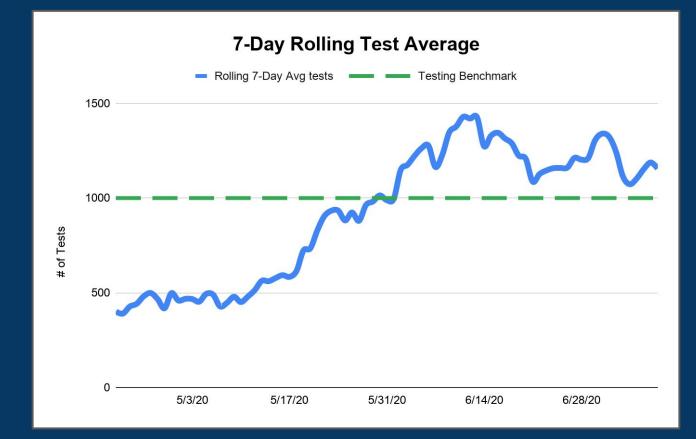


Source: Raw data from VDH - July 10, 2020

Mobility Data: Continued Increased Movement

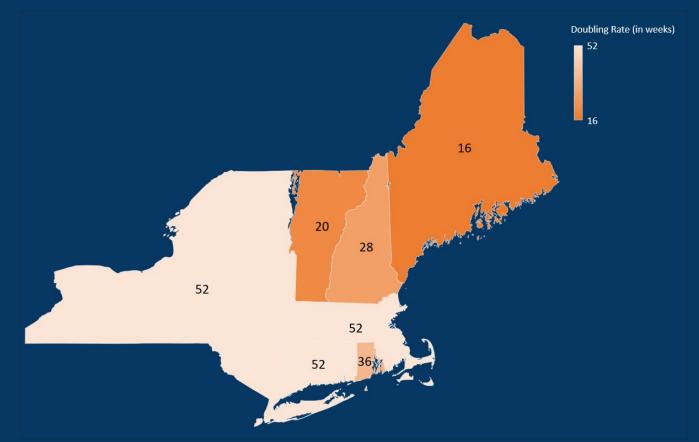


Vermont COVID-19 PCR Testing



Source: Vermont Department of Health; tests measured as results reported to VDH by day

Vermont's Doubling Rate: 20 Weeks



Data Source: Johns Hopkins University - July 10, 2020

RESTART VERMONT

Reopening Metrics

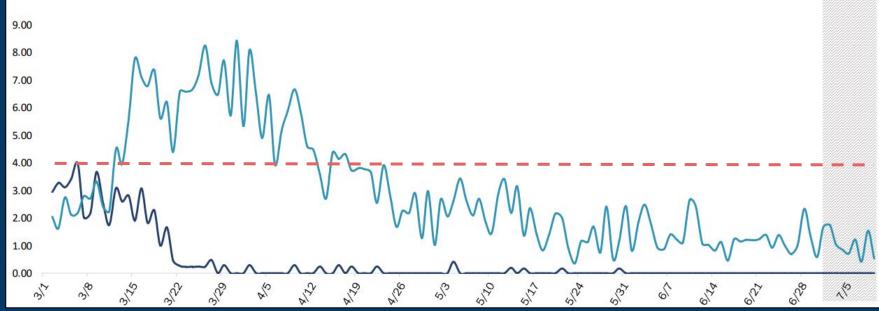
- 1. Syndromic Surveillance
- 2. Viral Growth & Reproductive Rates
- 3. Percentage of New Positive Tests
- 4. Hospital & Critical Care Bed Capacity

Data Point 1: Syndromic Surveillance

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

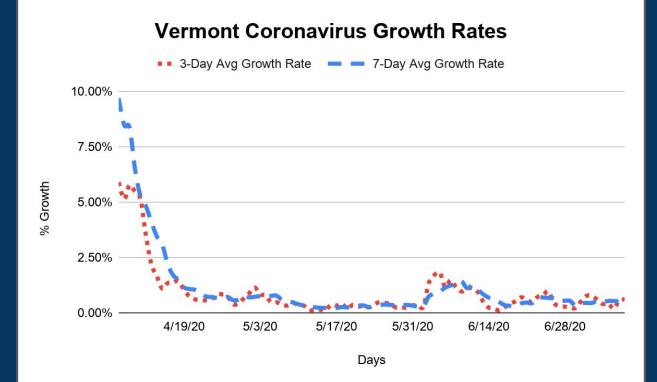
Percent of Emergent Care Visits for COVID-19 like illness and Influenza Diagnosis

Syndromic Surveillance from 13 of 14 Vermont Hospitals and 2 Urgent Care Centers



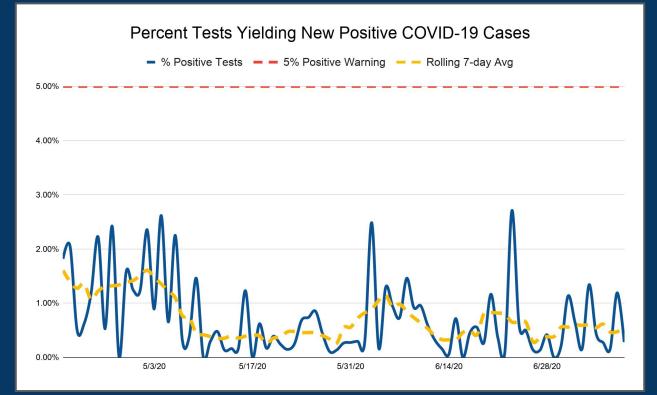
Data Point 2: Viral Growth and Reproductive Rates

- 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



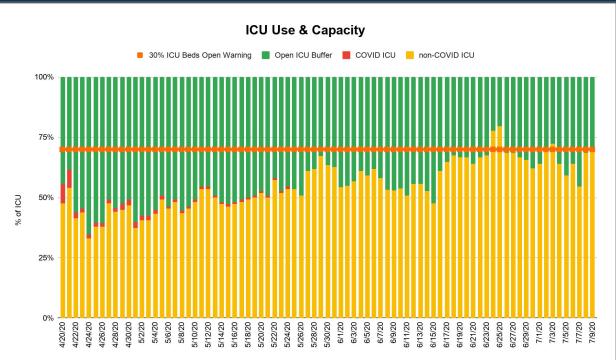
Data Point 3: Percentage of New Positive Tests

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



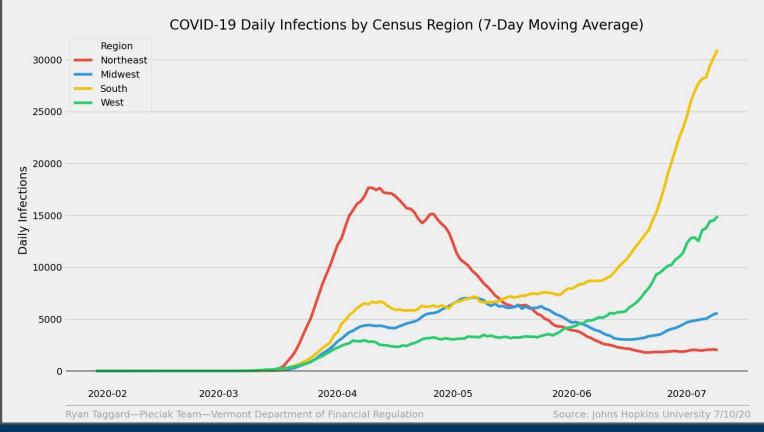
Data Point 4: Hospital & Critical Care Beds

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



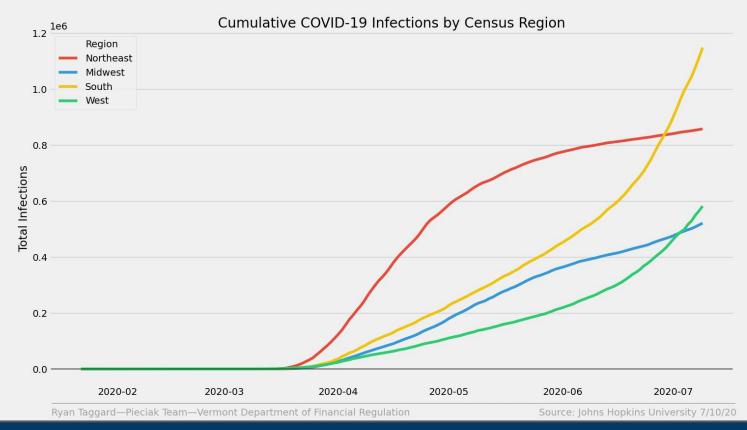
National & Regional Data

National Data



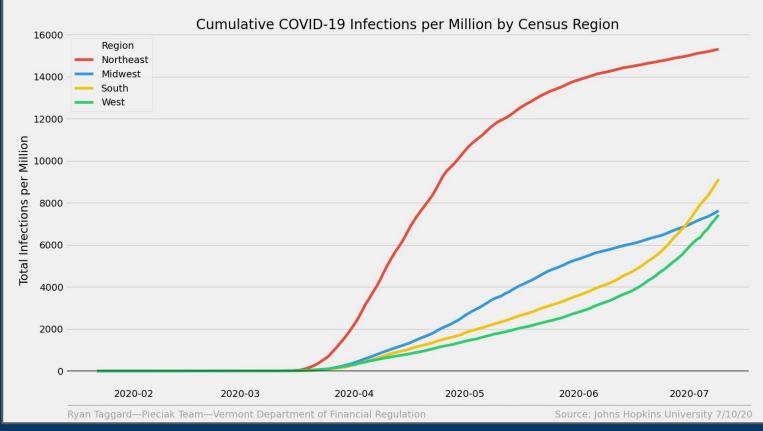
Source: Raw data from Johns Hopkins University - July 10, 2020

National Data



Source: Raw data from Johns Hopkins University - July 10, 2020

National Data



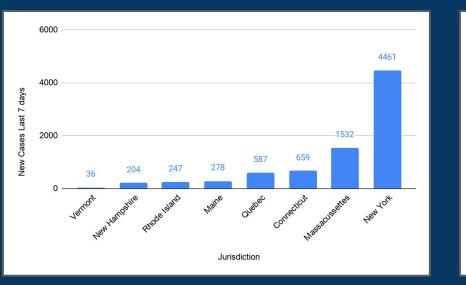
Source: Raw data from Johns Hopkins University - July 10, 2020

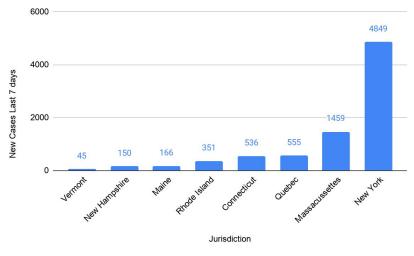
Regional Monitoring: New Cases Last 7 Days

1.33% Increase in New Confirmed Cases

Positive Cases June 26th to July 1st

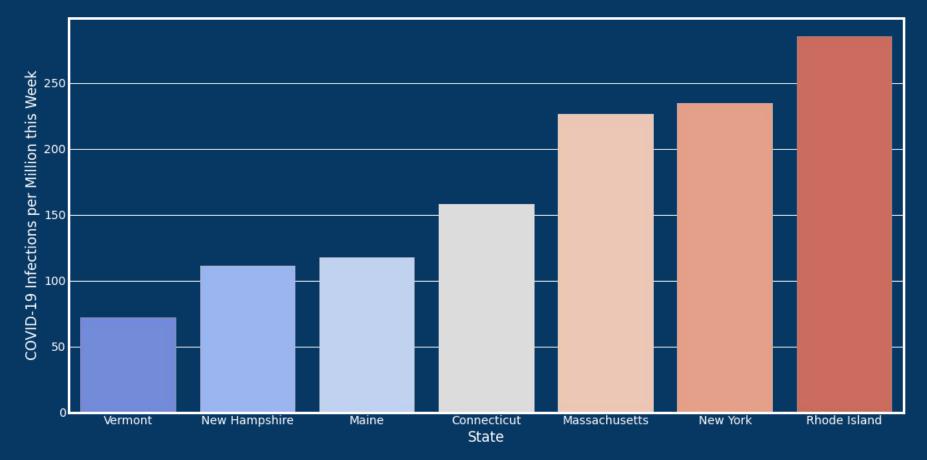
Positive Cases July 2nd to July 8th





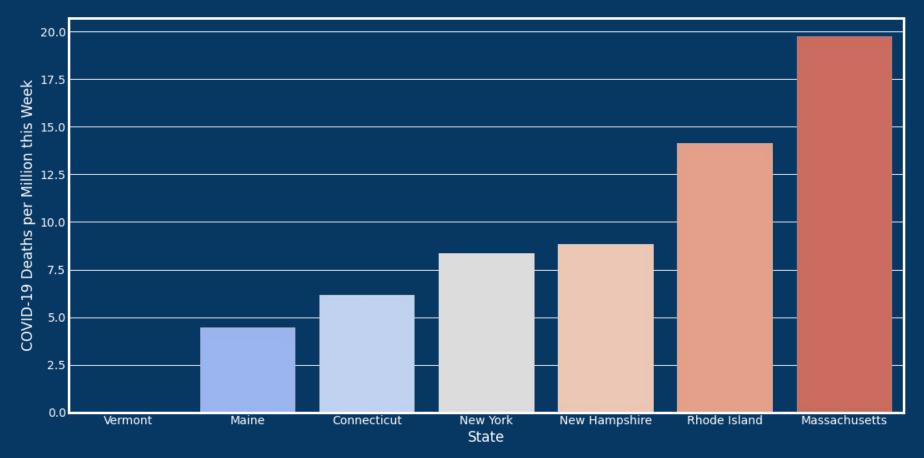
Source: Johns Hopkins University

Weekly Infections per Million



Source: Johns Hopkins University, July 3 - July 10, 2020

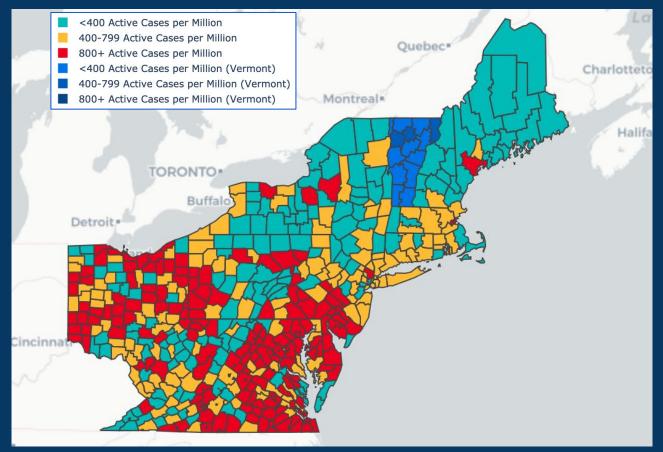
Weekly Deaths per Million



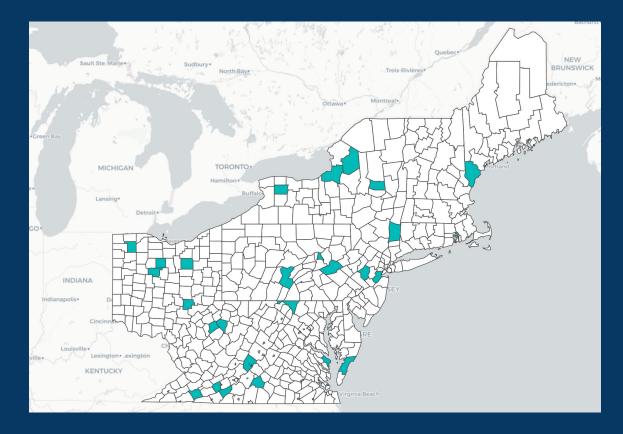
Source: Johns Hopkins University, July 3 - July 10, 2020

Travel Policy Update

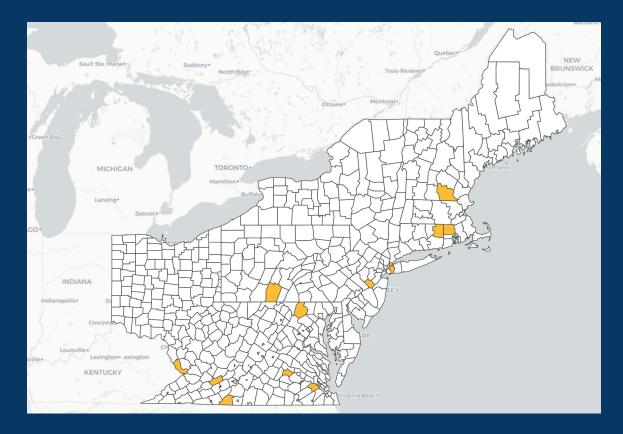
Travel Policy: Data Updates



Trending Favorably: Counties Moving from Yellow or Red to Green



Trending Favorably: Counties Moving from Red to Yellow



Trending Unfavorably: Counties Moving to Yellow or Red

