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Vermont Case Data
Vermont New COVID-19 Cases

Vermont cases have decreased 15% over the last 7 days & have decreased 7% over the last 14 days

Source: Vermont Dept. of Health—October 25, 2021; created with Datawrapper
Vermont COVID-19 Testing

Week-over-week testing has increased, with the 7-day average increasing 6% this week
Vermont Test Positivity: Delta Wave

Source: VDH—October 25, 2021; created with Datawrapper
Vermont Case Growth Metrics

15% Decrease
Over last 7 days

6% Increase
Over last 7 days

20% Decrease
Over last 7 days

Infections

Testing

Positivity Rate

Source: VDH—October 25, 2021; created with Datawrapper
The not fully vaccinated case rate has **increased 9%** in the last 7 days.

The fully vaccinated rate has **decreased 2%** during the same period.

Source: Vermont Dept. of Health—October 25, 2021
Vermont COVID-19 Hospitalizations

New Daily Hospital Admissions Per 100K (14-Day Average)

The not fully vaccinated admission rate have increased 4% in the last 7 days.

The fully vaccinated admission rate has decreased 0.5% during the same period.

Source: Vermont Dept. of Health and CDC—October 23, 2021
Vermont ranked 24th in the country for new COVID-19 cases over the last week.

Source: CDC—October 25, 2021; Created with Datawrapper
Vermont had the 2nd-highest rate of COVID-19 testing over the last week.
Active Cases in Vermont Counties

Source: Vermont Dept. of Health—October 25, 2021; DFR Active Case Algorithm (per million)
COVID-19 $R_t$ in Vermont

Source: Covidestim—Covid-19 Nowcasting—October 25, 2021
Estimated vs Detected COVID-19 Cases in Vermont

This figure shows both the number of detected cases (gray) and an estimate of the true number of infections.

- Detected Cases
- Estimated True Cases

Source: Covidestim—Covid-19 Nowcasting—October 25, 2021
Age of Infected Vermonters

Median age of COVID positive individuals in VT over the last 14 days.

Source: VDH—October 25, 2021
VT COVID-19 Infections per 100K by Age Group

Source: VDH—October 25, 2021
Vermont Case Rate & Vaccination by Age Band

Ages 0-11

Infections Per 100K (14 Day Average)

Ages 12-15

Infections Per 100K (14 Day Average)

Case Rate
Vaccination Rate

Source: VDH—October 25, 2021
Vermont Case Rate By Age (7-Day Average)

- Orange line: Cases Among Those 0 to 11
- Green line: Cases Among Those 12 and Older

Source: VDH—October 25, 2021; created with Datawrapper
Covid-19 case rates **declined slightly** last week, but remain elevated in the Kingdom.

Addison County continues to report lowest weekly case rates.
Not fully vaccinated case rate consistently higher than the fully vaccinated case rate & greater than the statewide average over last 3 weeks.
Active COVID Cases per Million in Vermont Regions

For the purpose of this analysis, Vermont has been split into four regions: **Burlington Metro** (Chittenden, Franklin, Grand Isle), **Northeast Kingdom** (Caledonia, Orleans, Essex), **Central** (Lamoille, Washington, Addison, Orange), and **Southern** (Rutland, Windsor, Bennington, Windham).
Average Age of Covid-19 Outcomes by Vaccination Status

Infections

Average Age of Infections by Vaccination Status:
- Fully Vaccinated: 48.6
- Not Fully Vaccinated: 27.6

Hospitalizations

Average Age of Hospitalizations by Vaccination Status:
- Fully Vaccinated: 69.8
- Not Fully Vaccinated: 55.6

Fatalities

Average Age of Fatalities by Vaccination Status:
- Fully Vaccinated: 81.6
- Not Fully Vaccinated: 67.5

Source: VDH—Vaccination data from July 1 to October 23, 2021; created with Datawrapper
## Fall 2021 Higher Education Restart

<table>
<thead>
<tr>
<th>Higher Education Institutions Reporting</th>
<th>Enrollment</th>
<th>Students Fully Vaccinated</th>
<th>Students Not Fully Vaccinated (No Exemption Granted)</th>
<th>Students with Unknown Vaccine Status</th>
<th>Students Granted Vaccine Mandate Exemption</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 of 16</td>
<td>28,586</td>
<td>27,201</td>
<td>255</td>
<td>445</td>
<td>685</td>
</tr>
</tbody>
</table>

Week 1: **37 cases** out of 12,623 tests  
Week 2: **36 cases** out of 7,434 tests  
Week 3: **43 cases** out of 3,053 tests  
Week 4: **65 cases** out of 6,497 tests  
Week 5: **36 cases** out of 4,878 tests  
Week 6: **19 cases** out of 4,516 tests  
Week 7: **27 cases** out of 3,536 tests  
Week 8: **63 cases** out of 3,668 tests  
Week 9: **65 cases** out of 4,398 tests

Source: Vermont Higher Education Institutions—October 25, 2021
Vermont Higher Education Cases By Semester

Source: Vermont Higher Education Institutions—October 25, 2021—Created with Datawrapper
### Active Outbreaks in Long Term Care Facilities

<table>
<thead>
<tr>
<th>Facility Name</th>
<th>Total COVID-19 Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berlin Health &amp; Rehab</td>
<td>51</td>
</tr>
<tr>
<td>St. Johnsbury Health &amp; Rehab</td>
<td>34</td>
</tr>
<tr>
<td>Homestead Senior Living, <em>Saint Albans</em></td>
<td>12</td>
</tr>
<tr>
<td>The Pines at Rutland Center for Nursing and Rehab</td>
<td>9</td>
</tr>
<tr>
<td>Gill Odd Fellows Home, <em>Ludlow</em></td>
<td>9</td>
</tr>
<tr>
<td>Helen Porter Rehab and Nursing, <em>Middlebury</em></td>
<td>8</td>
</tr>
<tr>
<td>Long Term Care Facility D</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Newport Health Care Center</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Rutland Healthcare &amp; Rehab Center</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Vernon Hall Assisted Living</td>
<td>Not Shown</td>
</tr>
</tbody>
</table>

Source: Vermont Department of Health—October 25, 2021 (reporting Monday through previous Sunday); ‘Active’ defined as less than 28 days since most recent case’s specimen collection date or illness start date (whichever is later); *privacy suppressions include facility w/ <25 staff and residents and/or >75% of facility infected
Vermont Hospitalization Data
Statewide Covid-19 Hospitalizations

Hospitalization rate increasing, but Vermont is tied for fewest hospitalizations per capita nationally

73% of hospitalizations among the unvaccinated over the last 7 days

Source: Vermont Department of Health—October 25, 2021
66% of critical care stays among the unvaccinated over last 7 days

Source: Vermont Department of Health—October 25, 2021
New Hospitalizations per 100,000 Residents, by Age

Source: US Dept. of Health & Human Services; 7-day average—October 25, 2021
Vermont had the 17th-fewest COVID-19 new hospital admissions in the country over the last week.
Weekly Covid-19 Deaths In Vermont

Source: Vermont Department of Health—October 25, 2021 (reporting week ending Tuesday to Monday)
356 COVID-19 Deaths Since the Start of the Pandemic

Vermont continues to have fewest per capita deaths nationally

Source: Vermont Department of Health—October 25, 2021; deaths attributed to month in which death occurred rather than reported
Vermont had the 7th fewest COVID-19 deaths over the last week.
Vermont Vaccination

89.6% Of Eligible Vermonters Have Started Vaccination

493,790 Vermonters with at Least 1 Dose

+2,298 Since Last Week

57,160 Eligible Vermonters still to be vaccinated

Source: CDC—October 25, 2021
<table>
<thead>
<tr>
<th>Metric</th>
<th>Figure</th>
<th>State Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doses Administered per 100K</td>
<td>153,360</td>
<td>1</td>
</tr>
<tr>
<td>% At Least 1 Dose (Eligible Population)</td>
<td>89.6%</td>
<td>4</td>
</tr>
<tr>
<td>% Fully Vaccinated (Eligible Population)</td>
<td>80.3%</td>
<td>3</td>
</tr>
<tr>
<td>% At Least 1 Dose (Full Population)</td>
<td>79.2%</td>
<td>2</td>
</tr>
<tr>
<td>% Fully Vaccinated (Full Population)</td>
<td>70.9%</td>
<td>1</td>
</tr>
<tr>
<td>% Fully Vaccinated (65 &amp; Over)</td>
<td>96.8%</td>
<td>1</td>
</tr>
</tbody>
</table>
Vermont is 1st in the Country in Vaccines Administered Per 100K

Source: CDC—October 25, 2021
89.6% of Eligible Vermonters Have Started Vaccination, Placing Vermont 4th Nationally

Source: CDC—October 25, 2021
80.3% of Eligible Vermonters Are Fully Vaccinated, Placing Vermont 3rd Nationally

Source: CDC—October 25, 2021
79.2% of Vermonters Have Started Vaccination, Placing Vermont 2\textsuperscript{nd} Nationally

Source: CDC—October 25, 2021
70.9% of Vermonters Fully Vaccinated, Placing Vermont 1st Nationally

Source: CDC—October 25, 2021
96.8% of 65 & Over Vermonters Fully Vaccinated, Placing Vermont 1st Nationally

Source: CDC—October 25, 2021
Percent of Fully Vaccinated People 65+ with Booster Dose

Source: CDC—October 25, 2021; New Hampshire reporting data issues
Vermonters initiating vaccination increased 18% in the last week.
Vermont Vaccination Progress
By Age Band

Source: Vermont Dept. of Health—October 26, 2021; *based on 2019 census estimates; state data may differ from CDC reporting
Regional Data
Regional Cases

13.1% Decrease in New Cases*

New Cases October 12th to October 18th

57,014

New Cases October 19th to October 25th

49,543*

Sources: State Health Dept. & CTV National News (Quebec) (*Note NH reporting incomplete data)
New England cases have decreased 0.4% over the last 7 days & have decreased 4% over the last 14 days.
New England COVID-19 Case Trends

7-Day Average Cases Per 100K

Sources: State Health Depts.—October 25, 2021 (includes: CT, ME, MA, NH, RI & VT; Note NH reporting incomplete data)
Weekly Regional Cases

Sources: State Health Depts.—October 25, 2021 (includes: CT, ME, MA, NH, RI & VT - note NH reporting incomplete data)
National Data
U.S. Infections, Hospitalizations, & Deaths (7-Day Average)

13.1% Decrease
Over last 7 days

10.2% Decrease
Over last 7 days

1.2% Decrease
Over last 7 days

Source: New York Times—October 25, 2021; created with Datawrapper
Infections, Hospitalizations, & Deaths by Percentage of State Population Vaccinated

- **Bottom Third Vaccinated States**
- **Middle Third Vaccinated States**
- **Top Third Vaccinated States**
- **Vermont**

**Infections per 100K**

**Hospitalizations per 100K (Current)**

**Deaths per 100K**

Source: Covid Act Now—October 25, 2021; 7-day averages; created with Datawrapper
National COVID-19 Cases

-13.1% Decrease
Over the last 7 days

72,644
7-Day Average

Source: Covid Tracking Project; NYT & CDC—October 25, 2021
National COVID-19 Hospitalizations

-10.2% Decrease Over the last 7 days

Source: Covid Tracking Project; NYT & CDC—October 25, 2021
National COVID-19 Deaths

-1.2% Decrease
Over the last 7 days

1,509
7-Day Average

Source: Covid Tracking Project; NYT & CDC—October 25, 2021
US COVID-19 Death Confidence Intervals

Calculated as a 7-day mean

Confidence Intervals
(Light Gray 95%; Dark Gray 50%)

Source: Centers for Disease Control and Prevention—October 25, 2021; created with Datawrapper
RESTART VERMONT

Reopening Metrics

1. Syndromic Surveillance (*retired*)
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

Vermont Department of Health no longer updating syndromic surveillance on a weekly basis.
Viral Growth & Reproductive Rates

Vermont Coronavirus Growth Rate

- Rolling 3-Day Avg % Growth
- Rolling 7-Day Avg % Growth

Source: Vermont Department of Health
Percentage of New Positive Tests

Percent Tests Yielding New Positive COVID-19 Cases

Source: Vermont Department of Health
Hospital & Critical Care Beds

ICU Use & Capacity

- Open ICU Buffer
- COVID ICU
- non-COVID ICU

Source: Vermont Department of Health