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Overview

Cases
COVID-19 cases remain elevated in Vermont, with the daily number of new infections averaging over 1000. However, the state reported nearly 2,900 fewer cases this week than last, a decrease of 27%. Vermont has now reported over 100,000 confirmed infections.

The CDC Ensemble model predicts Vermont can expect lower COVID counts in the coming weeks; decreases in hospitalizations and deaths will lag falling cases.

Hospitalizations
Hospitals continue to report high numbers of COVID patients and reduced staffing. Unvaccinated Vermonters occupy a majority of hospital beds. Hospitalizations are expected to start declining over the next week as cases fall. Recent Vermont data points to Omicron’s lower severity, with those hospitalized for the virus now requiring fewer days in the hospital than with previous variants.

US & Region
Cases across the Northeast are in decline, with all states reporting overall decreases in case counts as the Omicron surge appears to wane (Maine excluded due to reporting anomalies). Vermont per capita COVID hospitalizations also track substantially below other states in the region, with the third-lowest rate in the US. Nationally cases have begun to decline, with the Northeast recording the sharpest case decreases. However, the rate of decrease has slowed in countries first hit by Omicron.
Vermont Case Data
Vermont New COVID-19 Cases

Vermont is averaging **1,121 cases** over the last 7 days

The 7-day average has **decreased 27%** over the last 7 days & **decreased 37%** over the last 14 days

Source: VDH—January 25, 2022; created with Datawrapper
Vermont reported 8,135 new COVID-19 cases this week, **2,878 fewer cases** compared to last week.
Week-over-week testing fell, with the 7-day average decreasing 17%.
Vermont Test Positivity

Test positivity decreased 11% over the last 7 days

Despite elevated test positivity, Vermont reporting lowest figure in US

Source: VDH—January 25, 2022; created with Datawrapper; national test positivity reported by Johns Hopkins University
The not fully vaccinated case rate has decreased 24% in the last 7 days.

The fully vaccinated rate has also decreased 24% during the same period.

Source: VDH & CDC—January 22, 2022; Created with Datawrapper
COVID-19 Hospitalizations By Vaccination Status Per 100K

Measured Among Vermont’s 18 & Over Population Over the Last 6 Weeks

Those 18+ & not fully vaccinated were 11x more likely to be hospitalized from COVID-19 over the last 6 weeks compared to those fully vaccinated & boosted.

Source: VDH & CDC—January 22, 2022; Created with Datawrapper
COVID-19 Deaths By Vaccination Status Per 100K
Measured Among Vermont’s 18 & Over Population Over the Last 6 Weeks

Those 18+ & **not fully vaccinated** were **9.3x more** likely to die from COVID-19 over the last 6 weeks compared to those **fully vaccinated & boosted**

- **Not Fully Vaccinated**: 40.7 Deaths per 100K
- **Fully Vaccinated But Not Boosted**: 11.7 Deaths per 100K
- **Fully Vaccinated & Boosted**: 4.4 Deaths per 100K

Source: VDH & CDC—January 25, 2022; Created with Datawrapper
Vermont COVID-19 Cases Fall/Winter '20-'21 vs. Fall/Winter '21-'22

Source: VDH—January 25, 2022; created with Datawrapper
COVID-19 Cases in U.S. Metro vs. Non-Metro Counties

Values are 7-day rolling averages per 100K

Source: Johns Hopkins University—January 24, 2022
Vermont had the 20th-lowest rate of new COVID-19 cases over the last week.
Vermont had the highest rate of COVID-19 testing over the last week.
Over the last 7 days, cases have:

- **Decreased 28%** for ages **0 to 24**
- **Decreased 26%** for ages **25 to 49**
- **Decreased 28%** for ages **50 to 64**
- **Decreased 14%** for ages **65+**

Source: VDH—January 24, 2022; created with Datawrapper
Omicron cases across the Northeast generally increased earlier and reached higher levels compared to Vermont.
COVID-19 Hospitalization Rate Per 100K By Age Over The Last 6 Weeks

Hospitalizations continue to be more common among older Vermonters

- 7 Hospitalizations per 100K (0 to 24)
- 27 Hospitalizations per 100K (24 to 49)
- 47 Hospitalizations per 100K (50 to 64)
- 108 Hospitalizations per 100K (65+)

Source: VDH—January 22, 2022; created with Datawrapper
Age of Infected Vermon ters

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

Source: VDH—January 19, 2022; created with Datawrapper
VT COVID-19 Infections per 100K by Age Group

Source: VDH—January 19, 2022; created with Datawrapper
Vermont Covid-19 Case Rates by Age (7-Day Average)

Source: VDH—January 25, 2022; created with Datawrapper
Vermont Case Rate & Vaccination by Age Band

Source: VDH—January 18, 2022
Vermont Case Rate & Vaccination by Age Band

New Infections per 100K (14-Day Average)
- Percent Received First Vaccine Dose

Ages 0 to 4
- Infected
- Percent Vaccinated

Ages 5 to 11
- Infected
- Percent Vaccinated

Ages 12 to 15
- Infected
- Percent Vaccinated

Source: VDH—January 25, 2022
Vermont COVID-19 cases are expected to slow and decline in the coming weeks consistent with improved case trends observed in Vermont and the Northeast.
VT COVID-19 Hospitalization Confidence Intervals

Source: Johns Hopkins University & CDC—January 25, 2022
Declines in COVID-19 fatalities are expected to lag behind case improvements.
# Active Outbreaks in Long Term Care Facilities (1/2)

<table>
<thead>
<tr>
<th>Facility Name</th>
<th>Total COVID-19 Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bennington Health &amp; Rehab</td>
<td>57</td>
</tr>
<tr>
<td>Mayo Rehab &amp; Continuing Care, Northfield</td>
<td>57</td>
</tr>
<tr>
<td>Rutland Health &amp; Rehab</td>
<td>39</td>
</tr>
<tr>
<td>Pines Rehab &amp; Health Center, Lyndonville</td>
<td>37</td>
</tr>
<tr>
<td>The Pines at Rutland Center for Nursing &amp; Rehab</td>
<td>25</td>
</tr>
<tr>
<td>The Manor, Morrisville</td>
<td>20</td>
</tr>
<tr>
<td>Elderwood at Burlington</td>
<td>16</td>
</tr>
<tr>
<td>Wake Robin, Shelburne</td>
<td>14</td>
</tr>
<tr>
<td>Pine Heights at Brattleboro</td>
<td>13</td>
</tr>
<tr>
<td>Springfield Rivers Nursing &amp; Rehab</td>
<td>10</td>
</tr>
<tr>
<td>Brookdale Fillmore Pond, Bennington</td>
<td>10</td>
</tr>
<tr>
<td>Vermont Veterans Home, Bennington</td>
<td>9</td>
</tr>
<tr>
<td>The Residence at Quarry Hill, South Burlington</td>
<td>6</td>
</tr>
<tr>
<td>Valley Terrace, White River Junction</td>
<td>6</td>
</tr>
<tr>
<td>The Village at White River Junction</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total (shown)</strong></td>
<td><strong>325</strong></td>
</tr>
</tbody>
</table>

Source: Vermont Department of Health—January 24, 2022 (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
Active Outbreaks in Long Term Care Facilities (2/2)

<table>
<thead>
<tr>
<th>Facility Name</th>
<th>Total COVID-19 Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thompson House, Brattleboro</td>
<td>Not Shown</td>
</tr>
<tr>
<td>The Residence at Shelburne Bay, Shelburne</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Mountain View Center, Rutland</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Harbor Village Senior Living, South Burlington</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Birchwood Terrace Rehab &amp; Healthcare, Burlington</td>
<td>Not Shown</td>
</tr>
<tr>
<td>St. Albans Healthcare &amp; Rehab</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Riverbend Residential Care Home, Chelsea</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Eastview At Middlebury</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Green Mountain Nursing &amp; Rehab, Colchester</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Our Lady of the Meadows, Richford</td>
<td>Not Shown</td>
</tr>
</tbody>
</table>

Source: Vermont Department of Health—January 24, 2022 (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
### Spring 2022 Higher Education

<table>
<thead>
<tr>
<th>Metric</th>
<th>Week 1</th>
<th>Week 2</th>
<th>Week 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tests</strong></td>
<td>4,953</td>
<td>10,612</td>
<td>13,043</td>
</tr>
<tr>
<td><strong>COVID-19 Positives</strong></td>
<td>313</td>
<td>382</td>
<td>303</td>
</tr>
<tr>
<td><strong>Percent Positive</strong></td>
<td>6.3%</td>
<td>3.6%</td>
<td>2.3%</td>
</tr>
</tbody>
</table>

Source: Vermont Higher Education Institutions—January 24, 2021
Vermont Hospitalization Data
Statewide Covid-19 Hospitalizations

7% Increase in the 7-day hospitalization average over the past week

55% of hospitalizations among the unvaccinated over the last 7 days

Source: VDH—January 25, 2022
Statewide Covid-19 Critical Care Usage

4% decrease in the 7-day ICU average over the past week

52% of critical care stays among the unvaccinated over the last 7 days

Source: VDH—January 25, 2022
Reported influenza hospitalizations in Vermont have remained low.
Vermont Hospital Metrics
(7-Day Averages)

Vermont Hospital Beds Available Since July 1, 2021

- 65 beds available on January 25, 2022

Vermont ICU Beds Available Since July 1, 2021

- 22 ICU beds available on January 25, 2022

Source: VDH—January 25, 2022; Created with Datawrapper
Vermont had the 3rd-fewest COVID-19 hospital admissions per capita over the last week.
Vermont Fatality Data
Vermont COVID-19 Fatalities

Source: VDH—January 25, 2022; Created with Datawrapper
523 COVID-19 deaths since the start of the pandemic

Source: VDH—January 25, 2022; deaths attributed to month in which death occurred rather than reported
Vermont had the 15th-fewest COVID-19 deaths per capita over the last week.
Vermont Vaccination Data
## Vermont CDC Vaccine Scorecard

<table>
<thead>
<tr>
<th>Metric</th>
<th>Figure</th>
<th>State Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doses Administered per 100K</td>
<td>210,772</td>
<td>1</td>
</tr>
<tr>
<td>% At Least 1 Dose (5+ Population)</td>
<td>95%+</td>
<td>1 (tied)</td>
</tr>
<tr>
<td>% Fully Vaccinated (5+ Population)</td>
<td>83.0%</td>
<td>1</td>
</tr>
<tr>
<td>% At Least 1 Dose (Full Population)</td>
<td>91.8%</td>
<td>5</td>
</tr>
<tr>
<td>% Fully Vaccinated (Full Population)</td>
<td>79.1%</td>
<td>1</td>
</tr>
<tr>
<td>% Fully Vaccinated (65 &amp; Over)</td>
<td>95%+</td>
<td>1 (tied)</td>
</tr>
</tbody>
</table>

Source: CDC—January 24, 2022—New Hampshire excluded due to unreliable data
Vermont leads the nation in the percentage of 5 to 11 year olds starting vaccination. 61.6% w/ 1 Dose & 51.1% Fully Vaccinated.
Vermont Vaccination Progress
By Age Band

% Population Vaccinated (2019 Census)

- 0% 25% 50% 75% 100%
- 5-11 12-15 16-17 18-21 22-29 30-39 40-49 50-59 60-64 65-69 70-74 75+

- Partially Vaccinated
- Fully Vaccinated

Source: Vermont Dept. of Health—January 24, 2022; *based on 2019 census estimates; state data may differ from CDC reporting; VDH data cleaning January 13-14, 2022
# Vermont CDC Booster Scorecard

<table>
<thead>
<tr>
<th>Metric</th>
<th>Figure</th>
<th>State Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>% of Fully Vaccinated w/ booster dose</td>
<td>56.1%</td>
<td>1</td>
</tr>
<tr>
<td>% of Fully vaccinated 18+ w/ booster doses</td>
<td>60.3%</td>
<td>1</td>
</tr>
<tr>
<td>% of Fully vaccinated 50+ w/ booster doses</td>
<td>69.9%</td>
<td>2</td>
</tr>
<tr>
<td>% of Fully vaccinated 65+ w/ booster doses</td>
<td>77.1%</td>
<td>3</td>
</tr>
</tbody>
</table>

Source: CDC—January 24, 2021
Vermont: Booster Shots Administered By Week

Source: CDC—January 24, 2022; created with Datawrapper
Regional Data
Northeast Regional Cases

40.6% Decrease in New Cases

New Cases January 11th to January 17th

New Cases January 18th to January 24th

Sources: State Health Dept. & CTV National News (Quebec)
Weekly Northeast Regional Cases

250,904 fewer cases this week compared to last
New England COVID-19 Cases

New England cases **decreased 18%** over last 7 days & **decreased 45%** over last 14 days

Sources: State Health Depts.—January 24, 2022 (includes: CT, ME, MA, NH, RI & VT)
Cases continuing to decline across New England
Cases are also declining on a 14-day average, which smooths out any reporting anomalies from MLK Jr. Day Weekend.
Sustained and significant COVID-19 case decreases in jurisdictions hit early by Omicron

COVID-19 Case Trends in Northeast

7-day Average, Cases Per 100K

Quebec  New York  New Jersey

Sources: Health Depts.—January 24, 2022
Boston Wastewater COVID-19 Detection

COVID-19 detection in metro-Boston wastewater has decreased significantly, further supporting the improvement of case trends in the Northeast.

Source: Massachusetts Water Resources Authority—January 21, 2022
New England COVID-19 Hospitalizations

New England hospitalizations **decreased 8%** over last 7 days & **increased 3%** over last 14 days.

Sources: HHS—January 24, 2022 (includes: CT, ME, MA, NH, RI & VT)
New England COVID-19 Hospitalizations Trends

7-Day Average Hospitalizations Per 100K

- Massachusetts
- Connecticut
- Rhode Island
- Maine
- New Hampshire
- Vermont

Hospitalizations decreasing in Connecticut, Massachusetts & Rhode Island; stable in New Hampshire, Maine & Vermont

Sources: HHS—January 24, 2022 (includes: CT, ME, MA, NH, RI & VT)
National Data
U.S. Infections, Hospitalizations, & Deaths

5.0% Increase
Over last 7 days

0.7% Decrease
Over last 7 days

29.3% Increase
Over last 7 days

Infections
(7-Day Average)

Hospitalizations
(7-Day Average)

Deaths
(7-Day Average)

Source: New York Times—January 25, 2022; created with Datawrapper
Week Over Week Percent Change in COVID-19 Infections

Source: JHU—January 25, 2022
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—January 25, 2022; 7-day averages; created with Datawrapper
Daily COVID-19 Cases per Million in US Regions

Calculated as a 7-day moving average. Definitions of North, Midwest, South, and West taken from the U.S. Census bureau.

Source: JHU—January 25, 2022; 7-day averages; created with Datawrapper
National COVID-19 cases are expected to see improvement in the coming weeks.

Case peaks will likely vary by geography based on timing of Omicron arrival and spread.
US COVID-19 Death Confidence Intervals

Calculated as a 7-day mean. Inner and outer bands represent 50% and 95% confidence intervals, respectively.

Source: CDC—January 25, 2022; created with Datawrapper
Omicron case declines have slowed in other countries following initial rapid decreases.
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
5. Testing Volume
Viral Growth & Reproductive Rates

Source: Vermont Department of Health
Test Positivity

- Red: 5% Positive Warning
- Blue: Rolling 7-day Avg

Source: Vermont Department of Health; 7-day positivity calculated as positive tests last seven days/tests last seven days
Critical Care Beds

Source: Vermont Department of Health
Vermont Testing

7-Day Rolling Average

Source: Vermont Department of Health; results reported to VDH daily