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Overview

CDC now estimates **Omicron is the dominate variant** in New England (slide 55), which is helping fuel an **82% increase** in cases over the last 7 days (44).

Vermont is seeing the impacts of Omicron and a post-holiday surge (11) with **cases increasing 128%** over the last 7 days (5), with **rates rising in every Vermont county**; 11 counties broke case rate records (25).

Vermont experienced a **rise in breakthrough infections** this week consistent with Omicron’s vaccine-evasion qualities (8); however, the not fully vaccinated remain at **significantly increased risk** of the most severe outcomes at 22x more likely to be hospitalized (9) and 23x more likely to die (10).

The most significant Omicron case surges are now predominantly in metro areas (13), indicating more **rural counties can expect to see greater impacts** from Omicron in the coming weeks.

Vermont experienced a **rise in hospitalizations** this week (slides 28 & 29) as **cases increased 144%** among the 50 to 64 year olds and **156%** among 65+ year olds (16)—the age groups most likely to require hospitalization (17).

Ensemble CDC forecast **expects cases to rise sharply** in the U.S. (52) and Vermont (23) over the next few weeks.
Vermont Case Data
Vermont New COVID-19 Cases

Vermont is averaging **971 cases** over the last 7 days

The 7-day average has **increased 128%** over last 7 days & **increased 138%** over last 14 days

Source: VDH—January 4, 2022; created with Datawrapper
Week-over-week testing increased, with the 7-day average **increasing 5%**.
Test positivity has climbed, **increasing 117%** over the last 7 days.
The not fully vaccinated case rate has increased **64%** in the last 7 days.

The fully vaccinated rate has increased **119%** during the same period.

Source: VDH & CDC—January 2, 2022; Created with Datawrapper
COVID-19 Hospitalizations By Vaccination Status Per 100K

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

- **Not Fully Vaccinated**: 204 Hospitalizations per 100K
- **Fully Vaccinated But Not Boosted**: 31 Hospitalizations per 100K
- **Fully Vaccinated & Boosted**: 9 Hospitalizations per 100K

Those 18+ & **not fully vaccinated** were **22x more** likely to be hospitalized from COVID-19 over the last 6 weeks compared to those **fully vaccinated & boosted**.

Source: VDH & CDC—January 3, 2022; Created with Datawrapper
COVID-19 Deaths By Vaccination Status Per 100K

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

45 Deaths per 100K

11 Deaths per 100K

2 Deaths per 100K

Those 18+ & **not fully vaccinated** were **23x more** likely to die from COVID-19 over the last 6 weeks compared to those **fully vaccinated & boosted**

Source: VDH & CDC—January 4, 2022; Created with Datawrapper
Vermont COVID-19 Cases Fall 2020 vs. Fall 2021

Source: VDH—January 4, 2022; created with Datawrapper
Vermont reported **2,711 more cases** this week compared to last week.
Omicron appears to be fueling case growth in U.S. metro counties. Expect similar impact in non-metro counties in coming weeks.
Vermont had the 10th-lowest rate of new COVID-19 cases over the last week.
Vermont had the 2nd highest rate of COVID-19 testing over the last week.
Over the last 7 days, cases have:

- Increased 128% for ages 0 to 24
- Increased 117% for ages 25 to 49
- Increased 144% for ages 50 to 64
- Increased 156% for ages 65+
Hospitalizations continue to be more common among older Vermonters.
Age of Infected Vermonters

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

Source: VDH—January 4, 2022; created with Datawrapper
VT COVID-19 Infections per 100K by Age Group

Source: VDH—January 4, 2022; created with Datawrapper
Vermont Covid-19 Case Rates by Age (7-Day Average)

Source: VDH—January 4, 2022; created with Datawrapper
Vermont Case Rate & Vaccination by Age Band

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

Ages 16 to 29
Ages 30 to 39
Ages 40 to 49
Ages 50 to 59
Ages 60 to 64
Ages 65 to 69
Ages 70 to 74
Ages 75+

Infections per 100K

Percent Vaccinated

Date
Feb
Apr
Jun

Source: VDH—January 4, 2022
Vermont Case Rate & Vaccination by Age Band

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

Source: VDH—January 4, 2022
Vermont COVID-19 cases are expected to sharply increase over next 4 weeks.

Case growth fueled by post-holiday surge combined with more-transmissible Omicron variant.

Source: Johns Hopkins University & CDC—January 4, 2022
VT COVID-19 Death Confidence Intervals

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

Vermont COVID-19 fatalities are not expected to decrease over next 4 weeks

Source: Johns Hopkins University & CDC—January 4, 2022
Case rates **increased in every county this week**

Bennington & Chittenden Counties reporting highest levels of spread, & case records broken in 11 counties.
## 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>The Manor, <em>Morrisville</em></td>
<td>11</td>
</tr>
<tr>
<td>Springfield Rivers Nursing &amp; Rehabilitation</td>
<td>9</td>
</tr>
<tr>
<td>Thompson House, <em>Brattleboro</em></td>
<td>Not Shown</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

Source: Vermont Department of Health—January 4, 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*
Vermont Hospitalization Data
Statewide Covid-19 Hospitalizations

17% Increase in the 7-Day hospitalization average over the past week

62% of hospitalizations among the unvaccinated over the last 7 days

Source: VDH—January 4, 2022
Statewide Covid-19 Critical Care Usage

13% Increase in the 7-Day ICU average over the past week

65% of critical care stays among the unvaccinated over the last 7 days

Source: VDH—January 4, 2022
Vermont Hospital Metrics
(7-Day Averages)

Vermont Hospital Beds Available Since July 1, 2021

64 Beds Available on January 4, 2022

Vermont ICU Beds Available Since July 1, 2021

20 ICU Beds Available on January 4, 2022

Source: VDH—January 4, 2022
Vermont had the 4th-fewest COVID-19 hospital admissions per capita over the last week.
Vermont Fatality Data
Vermont COVID-19 Fatalities

Source: VDH—January 4, 2022
Monthly Covid-19 Deaths In Vermont

480 COVID-19 deaths since the start of the pandemic

Source: VDH—January 4, 2022; deaths attributed to month in which death occurred rather than reported
Vermont had the 12th-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>200,243</td>
<td>1</td>
</tr>
<tr>
<td>% At Least 1 Dose (5+ Population)</td>
<td>90%+</td>
<td>2 (tied)</td>
</tr>
<tr>
<td>% Fully Vaccinated (5+ Population)</td>
<td>81.2%</td>
<td>1</td>
</tr>
<tr>
<td>% At Least 1 Dose (Full Population)</td>
<td>89.3%</td>
<td>2</td>
</tr>
<tr>
<td>% Fully Vaccinated (Full Population)</td>
<td>77.4%</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—December 30, 2021 (most recent CDC update - will be updated again on January 4, 2022)

New Hampshire & West Virginia excluded due to unreliable data
Vermont leads the nation with the percentage of 5 to 11 year olds starting vaccination

55.8% w/ 1 Dose & 42.7% Fully Vaccinated

Source: CDC—December 30, 2021 (most recent CDC update - will be updated again on January 4, 2022)
Vermont Vaccination Progress

By Age Band

- Partially Vaccinated
- Fully Vaccinated

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Partially Vaccinated</th>
<th>Fully Vaccinated</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-11</td>
<td>10.20%</td>
<td>55.24%</td>
</tr>
<tr>
<td>12-15</td>
<td>74.68%</td>
<td>90.73%</td>
</tr>
<tr>
<td>16-17</td>
<td>76.14%</td>
<td>95.02%</td>
</tr>
<tr>
<td>18-21</td>
<td>52.36%</td>
<td>95.02%</td>
</tr>
<tr>
<td>22-29</td>
<td>59.12%</td>
<td>90.73%</td>
</tr>
<tr>
<td>30-39</td>
<td>65.04%</td>
<td>88.50%</td>
</tr>
<tr>
<td>40-49</td>
<td>81.95%</td>
<td>89.43%</td>
</tr>
<tr>
<td>50-59</td>
<td>84.21%</td>
<td>4.75%</td>
</tr>
<tr>
<td>60-64</td>
<td>90.27%</td>
<td>&gt;99%*</td>
</tr>
<tr>
<td>65-69</td>
<td>95.89%</td>
<td>&gt;99%*</td>
</tr>
<tr>
<td>70-74</td>
<td>96.31%</td>
<td>&gt;99%*</td>
</tr>
<tr>
<td>75+</td>
<td>95.59%</td>
<td>&gt;99%*</td>
</tr>
</tbody>
</table>

Source: Vermont Dept. of Health—January 3, 2022; *based on 2019 census estimates; state data may differ from CDC reporting
## 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>48.8%</td>
<td>1</td>
</tr>
<tr>
<td>% of Fully vaccinated 18+ w/ booster doses</td>
<td>53.8%</td>
<td>1</td>
</tr>
<tr>
<td>% of Fully vaccinated 50+ w/ booster doses</td>
<td>65.1%</td>
<td>1</td>
</tr>
<tr>
<td>% of Fully vaccinated 65+ w/ booster doses</td>
<td>74.2%</td>
<td>2</td>
</tr>
</tbody>
</table>

Source: CDC—December 30, 2021 (most recent CDC update - will be updated again on January 4, 2022)
Regional Data
Northeast Regional Cases

89.4% Increase in New Cases

New Cases December 21st to December 27th

New Cases December 28st to January 3rd

Sources: State Health Dept. & CTV National News (Quebec)
Most weekly COVID-19 cases reported in Northeast Region ever

348,037 more cases this week compared to last
New England COVID-19 Cases

New England cases increased 82% over last 7 days & increased 144% over last 14 days

Sources: State Health Depts.—January 4, 2022 (includes: CT, ME, MA, NH, RI & VT)
New England COVID-19 Case Trends

7-Day Average Cases Per 100K

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

Cases remain elevated across New England

Sources: State Health Depts.—January 4, 2022 (includes: CT, ME, MA, NH, RI & VT)
New England COVID-19 Hospitalizations

New England hospitalizations increased 20% over last 7 days & increased 26% over last 14 days

Sources: HHS—January 4, 2022 (includes: CT, ME, MA, NH, RI & VT)
Hospitalizations increasing most significantly this week in Connecticut, Massachusetts & Rhode Island

Sources: HHS—January 4, 2022 (includes: CT, ME, MA, NH, RI & VT)
National Data
U.S. Infections, Hospitalizations, & Deaths

101% Increase
Over last 7 days

28% Increase
Over last 7 days

9% Decrease
Over last 7 days

Source: New York Times—January 4, 2022; 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—January 4, 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 4, 2022; 7-day averages; created with Datawrapper
US COVID-19 Infection Confidence Intervals

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

Source: CDC—January 4, 2022; created with Datawrapper
US COVID-19 Death Confidence Intervals

Calculated as a 7-day mean. Inner and outer bands represent 50% and 95% confidence intervals, respectively.
COVID-19 Variant Data
Omicron Spread HHS Regions 1 and 2

HHS Region 2
Omicron 98% of cases

HHS Region 1
Omicron 82.4% of cases

Source: CDC—January 4, 2022, 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
5. Testing Volume
Viral Growth & Reproductive Rates

Vermont Coronavirus Growth Rate

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

Source: Vermont Department of Health
Test Positivity

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

ICU Use & Capacity

Source: Vermont Department of Health
Vermont Testing

Vermont COVID-19 Testing

7-Day Rolling Average

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