COVID-19 Modeling
January 11, 2022

Presentation available at:
dfr.vermont.gov
Vermont Weekly 7-Day Average For New COVID-19 Cases

Vermont is averaging **1,607 cases** over the last 7 days.

The 7-day average has **increased 69%** over last 7 days & **increased 245%** over last 14 days.

Source: VDH—January 10, 2022; created with Datawrapper
Omicron Spread HHS Regions 1 and 2

HHS Region 2
Omicron 99.3% of cases

HHS Region 1
Omicron 96.4% of cases

Source: CDC—January 11, 2022, 2021; created with Datawrapper
Omicron fueling case growth in both U.S. metro & non-metro counties

Over the last week, cases **increased 125%** in non-metro counties compared to a **79% increase** in metro counties

Source: Johns Hopkins University—January 10, 2022
### 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>Elderwood at Burlington</td>
<td>15</td>
</tr>
<tr>
<td>The Manor, <em>Morrisville</em></td>
<td>13</td>
</tr>
<tr>
<td>Harbor Village Senior Living, <em>South Burlington</em></td>
<td>11</td>
</tr>
<tr>
<td>Springfield Rivers Nursing &amp; Rehabilitation</td>
<td>10</td>
</tr>
<tr>
<td>Mayo Rehab and Continuing Care, <em>Northfield</em></td>
<td>9</td>
</tr>
<tr>
<td>Thompson House, <em>Brattleboro</em></td>
<td>Not Shown</td>
</tr>
<tr>
<td>Rutland Health and Rehab</td>
<td>Not Shown</td>
</tr>
<tr>
<td>The Pines at Rutland Center for Nursing &amp; Rehab</td>
<td>Not Shown</td>
</tr>
<tr>
<td>Mountain View Center, <em>Rutland</em></td>
<td>Not Shown</td>
</tr>
<tr>
<td>Birchwood Terrace Rehab and Healthcare, <em>Burlington</em></td>
<td>Not Shown</td>
</tr>
</tbody>
</table>

Source: Vermont Department of Health—January 11, 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
National COVID-19 cases are expected to continue to increase through January and then possibly decrease. Case peaks will likely vary by geography based on timing of Omicron arrival and spread.
Vermont COVID-19 cases are expected to continue to increase through January and then possibly slow, consistent with national projections. Case growth largely fueled by more-transmissible Omicron variant.

Source: Johns Hopkins University & CDC—January 4, 2022
Statewide Covid-19 Hospitalizations

34% 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 11, 2022
Statewide Covid-19 Critical Care Usage

No change in the 7-Day ICU average over the past week

63% of critical care stays among the unvaccinated over the last 7 days

Source: VDH—January 11, 2022
Vermont Hospital Metrics
(7-Day Averages)

Vermont Hospital Beds Available Since July 1, 2021

58 Beds Available on January 11, 2022

Vermont ICU Beds Available Since July 1, 2021

11 ICU Beds Available on January 11, 2022

Source: VDH—January 11, 2022; Created with Datawrapper
487 COVID-19 deaths since the start of the pandemic

Source: VDH—January 10, 2022; deaths attributed to month in which death occurred rather than reported
Those 18+ & **not fully vaccinated** were **24x more** likely to die from COVID-19 over the last 6 weeks compared to those **fully vaccinated & boosted**.
# 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>52.4%</td>
<td>1</td>
</tr>
<tr>
<td>% of Fully vaccinated 18+ w/ booster doses</td>
<td>57.4%</td>
<td>1</td>
</tr>
<tr>
<td>% of Fully vaccinated 50+ w/ booster doses</td>
<td>67.8%</td>
<td>1</td>
</tr>
<tr>
<td>% of Fully vaccinated 65+ w/ booster doses</td>
<td>75.8%</td>
<td>2</td>
</tr>
</tbody>
</table>

Source: CDC—January 10, 2021
Vermont leads the nation with the percentage of 5 to 11 year olds starting vaccination:

58.6% w/ 1 Dose & 47.4% Fully Vaccinated