Report Timeframe: September 22 to September 28, 2024

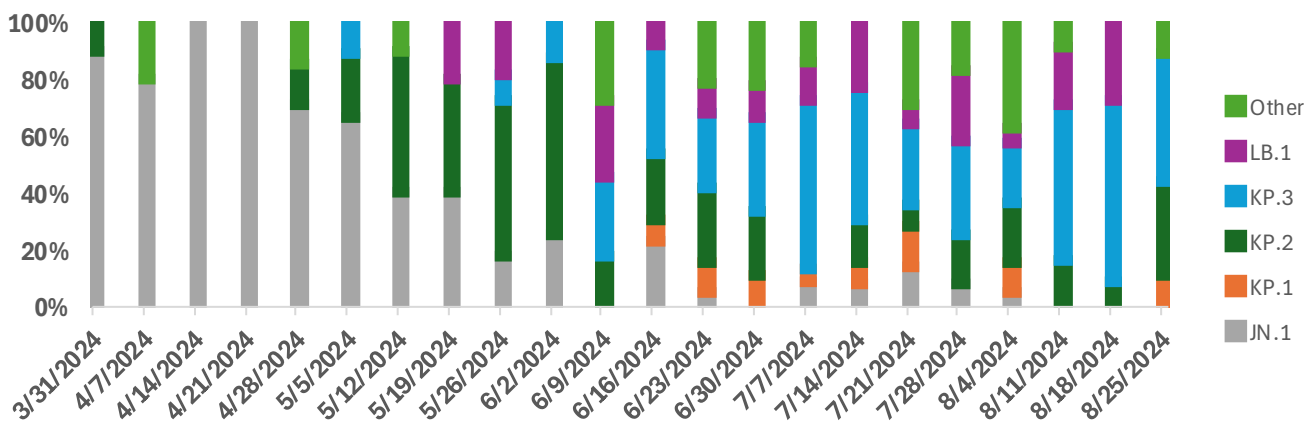Current Vermont Department of Health recommendations on [preventing COVID-19.](#)

Syndromic Surveillance

The Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE) reflects all visits from participating emergency departments (ED). The chart below shows a rolling seven-day average of all ED visits in Vermont hospitals that include a COVID-19 diagnosis (emergency and non-emergency, in- and outpatient visits).

Emergency Department Visits with COVID-19 Diagnosis
Seven-Day Rolling Average, Vermont Hospitals

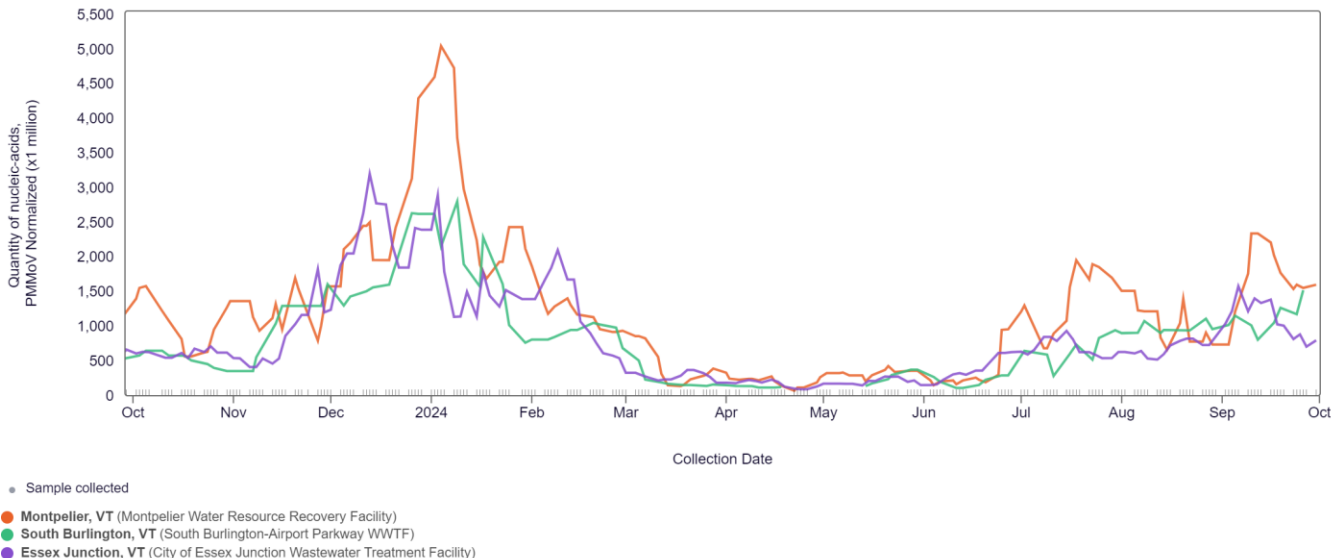## Variant Proportions - Clinical Specimens

KP.3 is the dominant circulating variant. Some limited specimen quantities may impact proportion accuracy. For more timely data, see the [National SARS-CoV-2 Genomic Surveillance System](#) which includes data from Vermont and other states. Source: Vermont Department of Health Whole Genome Sequencing program.

Virus Concentrations and Trends – Wastewater Monitoring

Concentrations remain elevated at most sites including Montpelier, Essex Junction, South Burlington (see chart below), and St. Albans (data not shown). Some week-to-week fluctuation is expected.

Montpelier, South Burlington and Essex Junction wastewater districts participate in WastewaterSCAN. The graph below shows COVID-19 levels and trends over time in these districts.

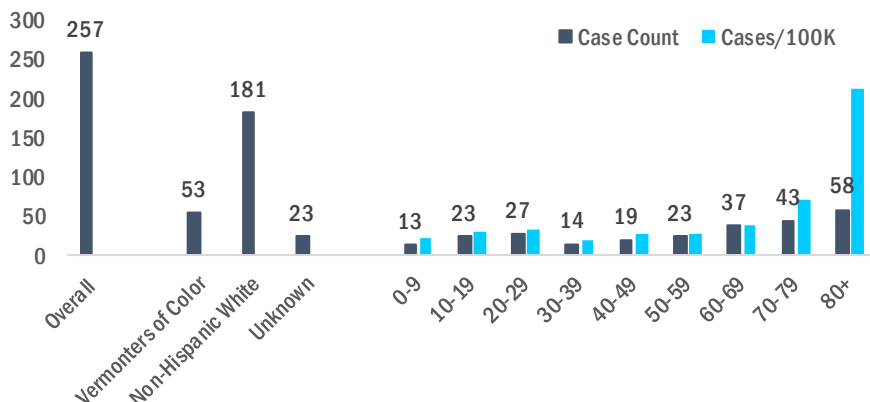**SARS–CoV–2, Vermont**

- · Sample collected
- ● **Montpelier, VT** (Montpelier Water Resource Recovery Facility)
- ● **South Burlington, VT** (South Burlington-Airport Parkway WWTF)
- ● **Essex Junction, VT** (City of Essex Junction Wastewater Treatment Facility)

Burlington's Wastewater Monitoring is temporarily on hold.

Identified Cases

Vermont Weekly Case Counts/Rates

Note: Case counts and rates are calculated by *confirmed* and *probable* cases reported to the Health Department.

To calculate rates, counts are divided by 2021 Vermont population estimates for the respective category and expressed per 100,000 in each category.

Due to a high number of cases missing race/ethnicity data, rates are not provided for race/ethnicity categories.

COVID-19 Outbreaks Reported Date to Date

For purposes of this report, an outbreak is defined as three or more epidemiologically linked cases of COVID-19, where at least one case has been laboratory or clinically confirmed as COVID-19.
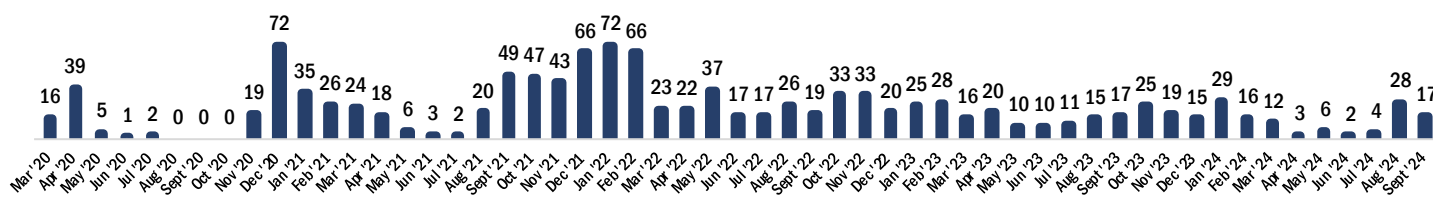
Facility type	New Outbreaks Reported 9/24 – 9/30
Long-term Care (LTC)	3
Non-LTC Healthcare	1
Correctional Facility	-
School/childcare	1
Other	-

County	New Outbreaks Reported 9/24 – 9/30
Addison	-
Bennington	1
Caledonia	-
Chittenden	-
Essex	-
Franklin	-
Grand Isle	-
Lamoille	-
Orange	1
Orleans	-
Rutland	2
Washington	-
Windham	1
Windsor	-

Cumulative COVID-19 Deaths as of September 28, 2024

Total	Age group								
	Under 10	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
1206	2	0	2	11	20	76	120	271	704

Monthly COVID-19 Deaths

Note: Deaths are from registered death certificates and represent preliminary data. A change in death count may represent new deaths, corrections, or other updates.

Data Source: Vermont Department of Health Vital Statistics System.

For more information about this report, please contact john.davy@vermont.gov