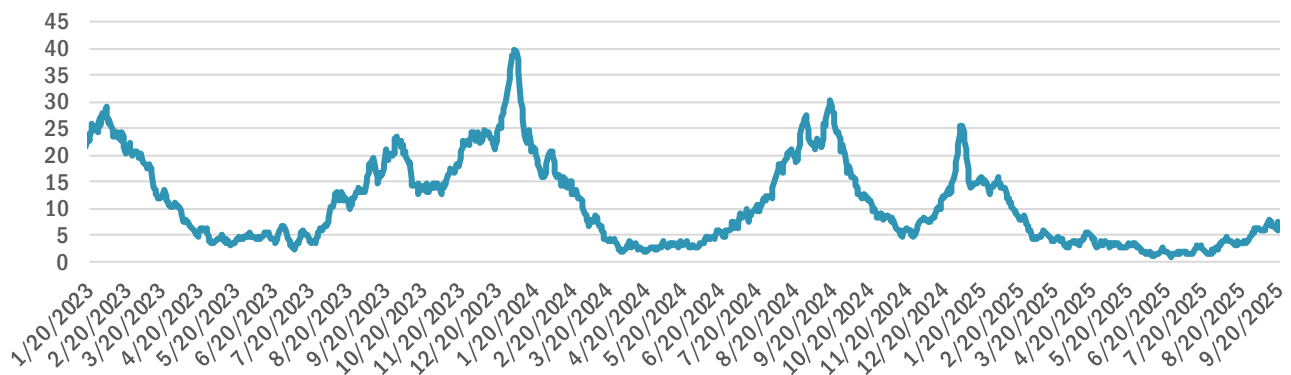


Current Vermont Department of Health recommendations on [preventing COVID-19](#).

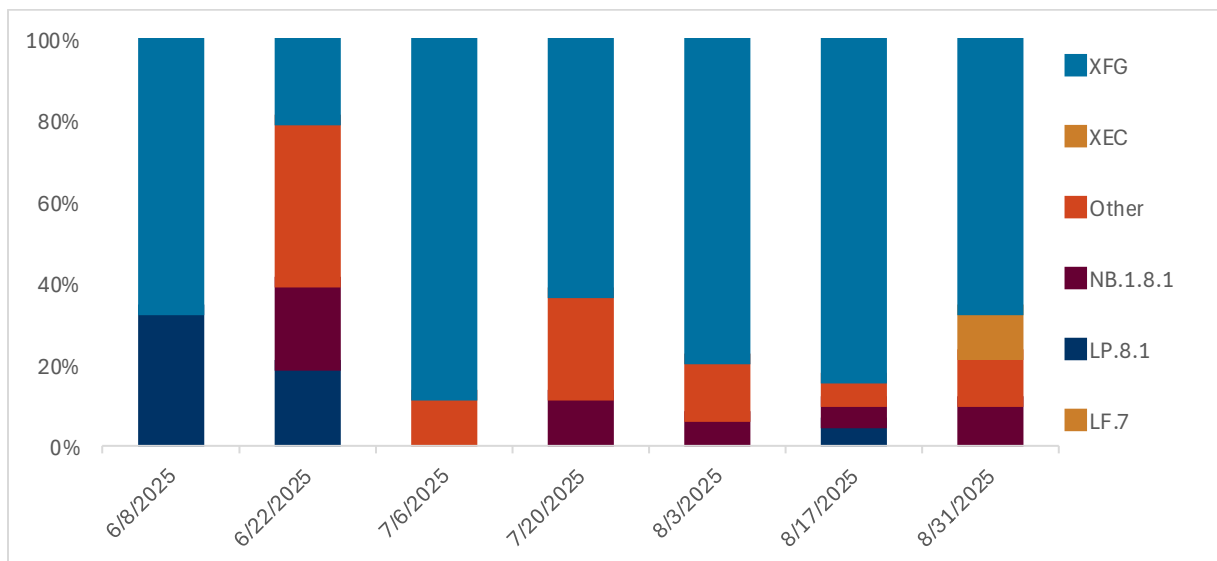
## Syndromic Surveillance

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



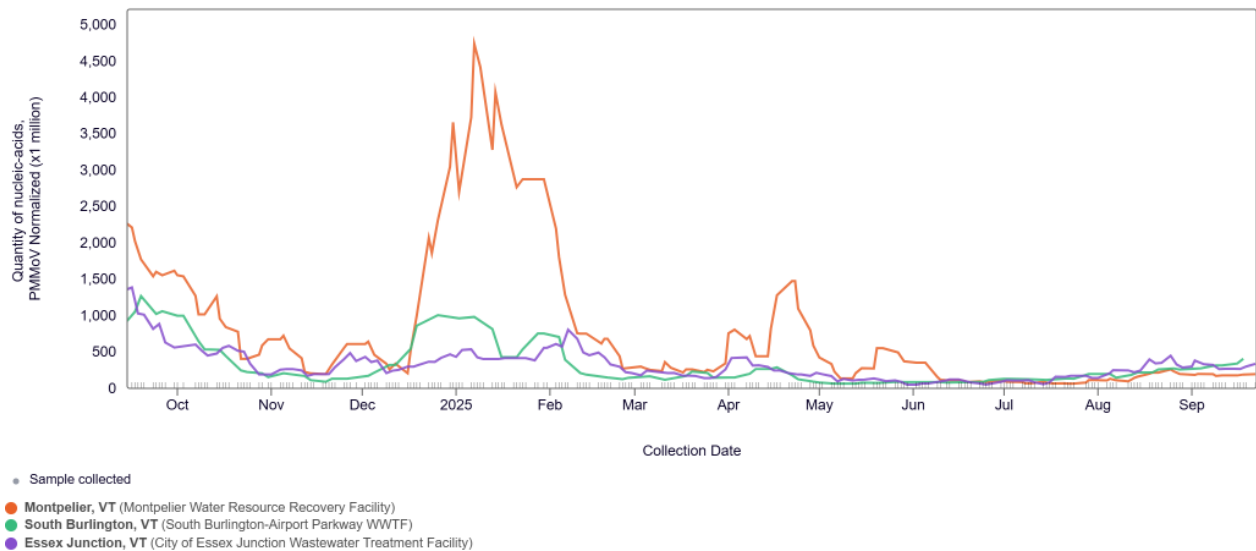
**XFG is the most commonly sequenced variant.** Limited specimen quantities may impact proportion accuracy. For more timely data, see the [National SARS-CoV-2 Genomic Surveillance System](#) which includes data from Vermont and other states. Source: Vermont Department of Health Whole Genome Sequencing program.

## Virus Concentrations and Trends – Wastewater Monitoring

Concentrations are low in St. Albans, Ludlow, Montpelier, South Burlington, and Essex Junction (increasing). Concentrations are very high in Middlebury. 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



Data for Burlington’s Main plant is available through [Burlington’s Wastewater Monitoring Report](#).

## COVID-19 Outbreaks Reported

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 9/16– 9/22
Long-term Care (LTC)	1
Non-LTC Healthcare	-
Correctional Facility	1
School/childcare	-
Other	-

County	New Outbreaks Reported 9/16– 9/22
Addison	-
Bennington	-
Caledonia	-
Chittenden	2
Essex	-
Franklin	-
Grand Isle	-
Lamoille	-
Orange	-
Orleans	-
Rutland	-
Washington	-
Windham	-
Windsor	-

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