



Summit County COVID-19 Weekly Report

MMWR Week 3 (1/16 – 1/22/2022); CDC Data Tracker (1/18 – 1/24/2022)



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CDC Community Indicators (see page 4 for explanation of indicators)	1/3 to 1/9/2022	1/11 to 1/17/2022	1/18 to 1/24/2022	Current status or data trend
Total new cases in past 7 days (per 100,000 residents)	1,229	1,049	409	Decreasing ↓
RT-PCR testing positivity rate (past 7 days) *see page 4	27.4%	24.9%	9.2%*	Decreasing ↓
Community Transmission Level	HIGH	HIGH	HIGH	HIGH
Confirmed COVID-19 hospital admission rate (per 100 beds)	27.1	19.6	11.7	Decreasing ↓
ICU bed occupancy, total	93%	93%	90%	Decreasing ↓
ICU bed occupancy, confirmed COVID-19 cases	49%	48%	39%	Decreasing ↓
Fully vaccinated rate, total population	60.7%	61.1%	61.4%	
Fully vaccinated rate, 5-11 years old	21.1%	22.7%	23.9%	
Fully vaccinated rate, 12-17 years old	51.3%	51.8%	52.2%	
Fully vaccinated rate, 18 years old and older	69.8%	70.0%	70.3%	
Fully vaccinated rate, 65 years old and older	87.8%	88.0%	88.1%	
CDC Area of Concern category	SUSTAINED HOTSPOT	SUSTAINED HOTSPOT	SUSTAINED HOTSPOT	SUSTAINED HOTSPOT

COVID-19 indicators	12/26/21 to 1/8/22	1/2 to 1/15/2022	1/9 to 1/22/2022	Current Status
14 day new case rate, by date reported (per 100,000 residents)	2726.7	2503.6	1685.0	Decreasing ↓
14 day new case rate, by onset or testing date (per 100,000)	3057.6	2113.8	1035.5	Decreasing ↓
	1/2 to 1/8/2022	1/9 to 1/15/2022	1/16 to 1/22/2022	Current Status
School-associated (including sports) COVID-19 cases	552	457	398	Decreasing ↓
Pediatric case rate (per 100,000 residents aged 17 and under)	840.7	975.9	390.7	Sustained
MIS-C associated with COVID-19 (Summit Co. cases reported)	2	1	0	23 cases total

Sources: CDC COVID-19 Data Tracker and Ohio Disease Reporting System (ODRS)

Summit County COVID-19 Case Data by Age, 3/11/20 to 1/22/22			
	Cases	Hospitalizations	Deaths
Count	108,728	7,953	1,714
Range	< 1 year to 106 years	< 1 year to 103 years	< 1 year to 103 years
Average	40.6	62.0	76.5
Source: Ohio Disease Reporting System (ODRS)			

Full report (including Summit County COVID-19 indicator data and definitions) can be obtained here:

<https://www.scph.org/covid/maps-data>

Data is provisional and subject to change

Date prepared: January 27, 2022

Prepared by: Summit County Public Health Communicable Disease Unit (communicabledisease@scph.org)

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**Summit County Public Health
COVID-19 Community Surveillance Report
Report #72**



**Centers for Disease Control and Prevention
MMWR Week 3: January 16 to January 22, 2022**

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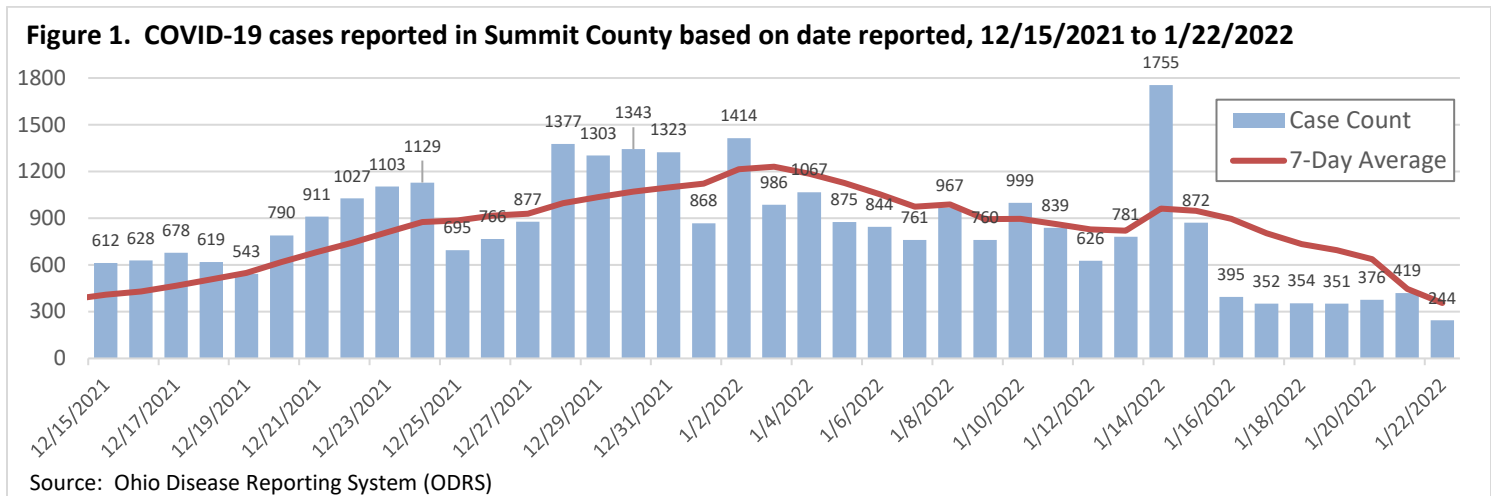
COVID-19 Case Data: Public health data can be presented in different ways. For COVID-19 case reporting, **Summit County Public Health (SCPH)** reports case count data by the date each case is reported. This provides SCPH and community partners a real-time picture of case reporting and public health response, such as case interviews, contact tracing, outbreak investigations and mitigation efforts. Summit County reports confirmed and probable cases that are active cases at time of reporting, and does not include cases reported due to positive antibody test results.

The **Ohio Department of Health (ODH)** reports data the date that symptoms were first experienced (onset date) for all confirmed and probable cases. The case graph by onset date (also known as an epidemiological curve) provides valuable information on the dynamics of disease transmission and outbreaks. However, the data in the most recent two weeks of the onset date curve will be incomplete, as many of the cases first experiencing symptoms on those dates have not yet been diagnosed and/or reported to the health department.

In this report, graphs for case counts, hospitalizations and deaths include data for the past five weeks. Graphs with data for the entire pandemic are included at the end of the report. In the graphs with daily data, 7 day averages are calculated to correct for data variability

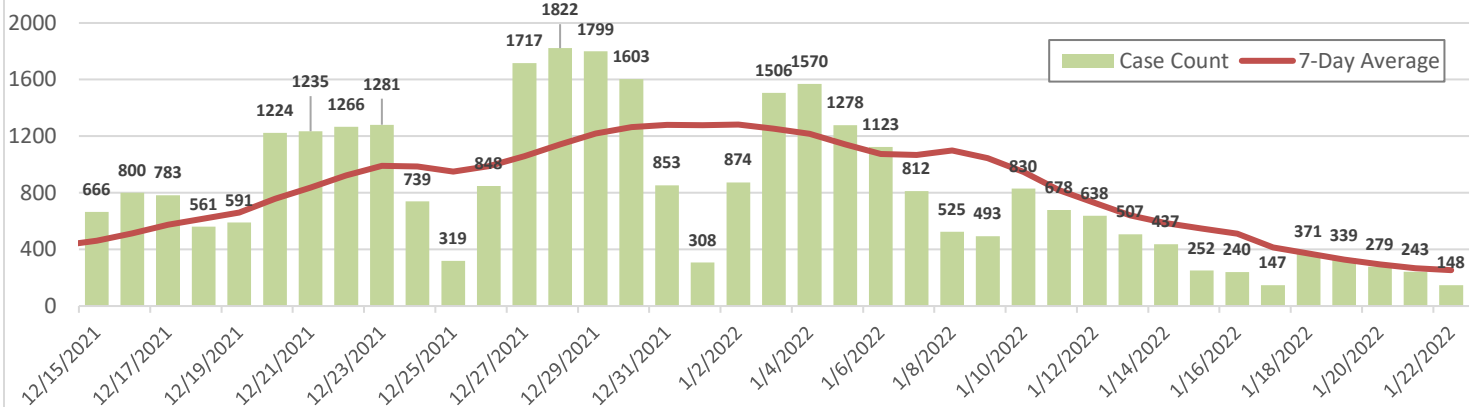
Summit County Surveillance Data:

COVID-19 Case Data: Data based on the reporting date (Figure 1) indicates that the 7-day average daily count was 409 cases per day on December 15. Since then, the 7-day average increased to 1,231 cases per day on January 3, then decreased to 356 cases per day by January 22. There was a reporting anomaly on January 14, when a reporting backlog was resolved in the state system (ODRS). Even with the recent decrease in the case rate, COVID-19 activity remains high in Summit County and widespread community transmission continues.



Based on symptom onset date (Figure 2), the 7 day average daily count was 462 cases per day on December 15. Since then, the 7-day average increased to 1,282 cases per day by January 2 and has since decreased to 252 cases per day on January 22. Although data with a case onset after January 8 are considered to be incomplete, COVID-19 activity has been decreasing in the past three weeks. Even with this downward trend, the elevated case onset rates in Summit County is concerning and indicates that widespread community transmission continues.

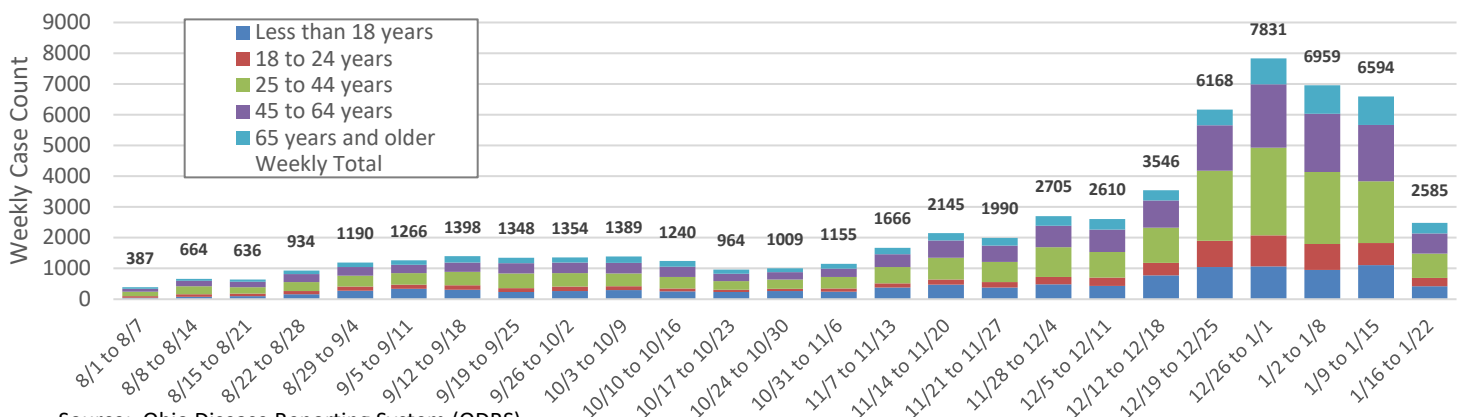
Figure 2. COVID-19 cases reported in Summit County, based on symptom onset date, 12/15/2021 - 1/22/2022



Source: Ohio Department of Health (ODH) COVID-19 Dashboard

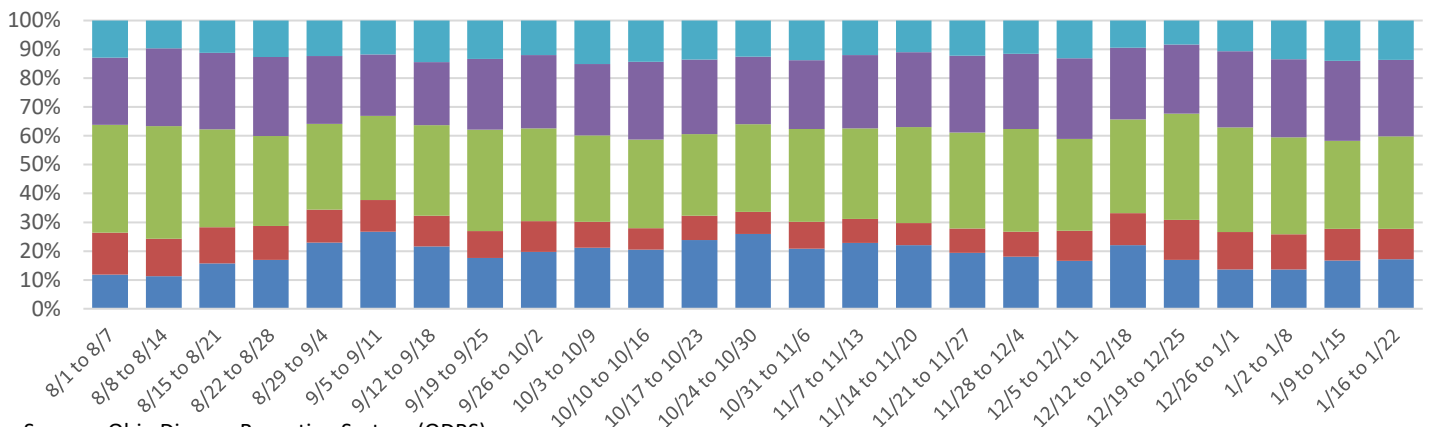
Weekly cases by age distribution: Figure 3 and 4 display the weekly age distribution of new cases reported since August 1, 2021, based on date reported. Since March 2020, children below the age of 18 accounted for 13.8% of cases, young adults aged 18 to 24 accounted for 12.0% of cases, and older adults aged 65 years or older accounted for 14.1% of cases. **During Week 3 (1/16 – 1/22/2022), children accounted for 16.4% of the cases reported and young adults accounted for 10.2% of cases.**

Figure 3. Age distribution of COVID-19 cases and weekly totals in Summit County, by MMWR week



Source: Ohio Disease Reporting System (ODRS)

Figure 4. Age distribution of COVID-19 cases by percent in Summit County, by MMWR week

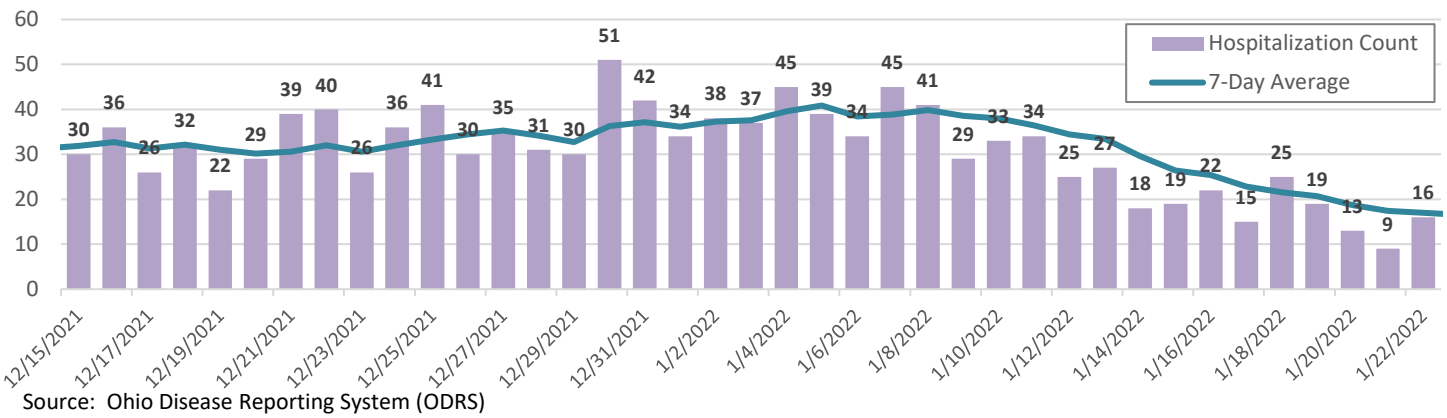


Source: Ohio Disease Reporting System (ODRS)

Summit County Hospitalization and Death data:

Due to the progression of the COVID-19 illness and reporting delays, **hospitalization data in the previous two to four weeks may be incomplete**. On December 15, 2021, the 7 day average for hospitalizations was 31.9 admissions per day. Average hospitalizations increased to 40.9 admissions per day by January 5, then decreased to 17.0 admissions per day by January 22.

Figure 5. COVID-19 hospitalizations reported in Summit County, based on admission date, 12/15/2021 to 1/22/2022



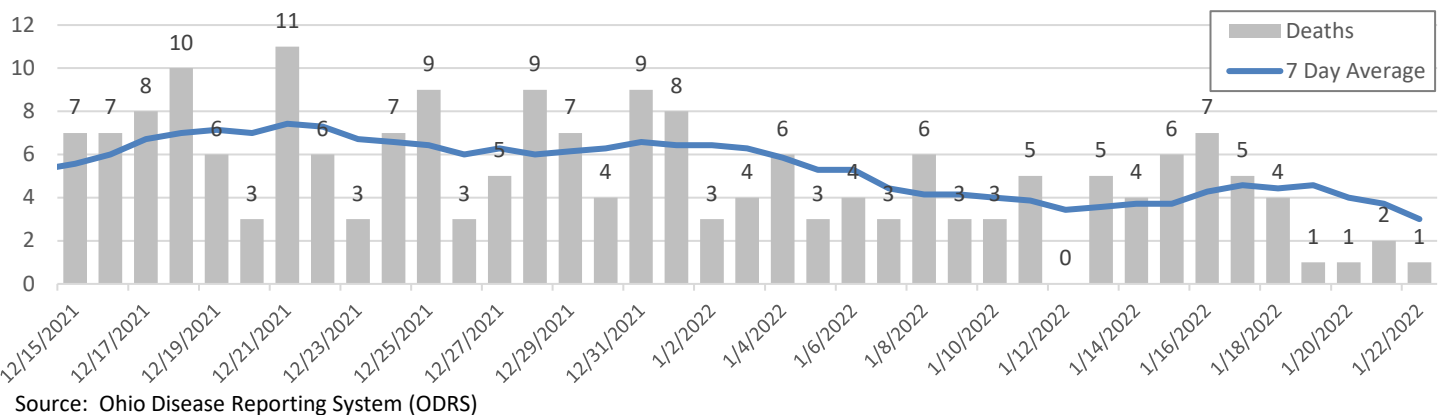
Although the Ohio Department Health changed its COVID-19 death reporting to include confirmed cases only, Summit County Public Health will continue to include probable cases in its death statistics. Case counts and hospitalization counts also include confirmed and probable cases. Table 1 lists the number of COVID-19 deaths by month since the beginning of the pandemic. The highest number of COVID-19 deaths occurred in December, 2020 with 315 deaths reported due to COVID-19, followed by 188 deaths in January, 2021. Through 2021, COVID-19 deaths per month decreased steadily to low of 11 deaths in July. **However, COVID-19 deaths are again on the increase with 62 deaths reported in September, 74 deaths in October, 90 deaths in November, and 179 deaths in December, and 86 deaths were reported through January 22, 2022.** COVID-19 deaths can occur up to several weeks or months following the initial diagnosis and test result.

Table 1. Summit County COVID-19 deaths by month

	2020	2021	2022
January		188	86
February		90	
March	10	51	
April	87	45	
May	90	49	
June	21	18	
July	11	11	
August	24	22	
September	17	62	
October	31	74	
November	145	90	
December	315	179	
TOTAL	751	879	86

Source: Ohio Disease Reporting System (ODRS)

Figure 6. COVID-19 deaths reported in Summit County, based on date of death, 12/15/2021 to 1/22/2022



MIS-C Cases in Summit County

According to the CDC, **Multisystem inflammatory syndrome in children (MIS-C)** is a condition where different body parts can become inflamed, including the heart, lungs, kidneys, brain, skin, eyes, or gastrointestinal organs. Children with MIS-C may have a fever and various symptoms, including abdominal (gut) pain, vomiting, diarrhea, neck pain, rash, bloodshot eyes, or fatigue. Although we cannot yet definitively say what causes MIS-C, many children with MIS-C tested positive for the SARS-CoV-2 virus, had COVID-19 symptoms, and/or had been around someone with COVID-19.

Summit County: As of January 22, 2022, 23 cases of MIS-C have been reported in Summit County (17 confirmed and 6 suspected status). The age range of these cases is 4 to 18 years old, with an average age of 9.8 years. All of these cases were hospitalized, with an average stay of 5.5 days.

For more information about MIS-C, refer to: <https://www.cdc.gov/mis-c/index.html>

New cases per capita (past 14 days)

The 14-day population case rates based on symptom onset decreased to 1,035.5 cases per 100,000 during the latest reporting period of January 9 to January 22, 2022. The two previous reporting periods were at 3057.6 and 2113.8 cases per 100,000.

	Table 2. Population Case Rate (previous 14 days)		
	12/26/21 to 1/8/22	1/2 to 1/15/2022	1/9 to 1/22/2022
Number of cases based on date reported:	14,752	13,545	9,116
Population case rate	2726.7	2503.6	1685.0
Number of cases based on symptom onset:	16,542	11,436	5,602
Population case rate	3057.6	2113.8	1035.5

Source: Ohio Disease Reporting System (ODRS) and Ohio Public Health Alert System (OPHAS)

CDC COVID-19 Data Tracker Indicators

CDC releases two community profile reports per week, the 7-day range of CDC data that best matches the MMWR week dates will be reported in this weekly report. **Selected CDC indicators are included in this report, current status for the past three reporting weeks are summarized on the front page.**

Total new cases in past 7 days, per 100,000 residents

Presenting the 7 day new case total as a rate allows for counties with different population sizes to be appropriately compared.

During the latest reporting period (1/18 to 1/24/2022), the 7-day new case rate in Summit County decreased to 409 cases per 100,000 residents.

RT-PCR testing positivity rate

*Testing data represents RT-PCR testing and do not include antigen or serology tests. The testing positivity rate is calculated from data from the COVID-19 Electronic Lab Reporting (CELR) state health department-reported data and Federal Direct Report testing data. *Note: the recent ELR reporting backlog in ODRS may have resulted in a positivity rate that was inaccurately low.*

The average positivity rate during the latest reporting period (1/16 to 1/22/2022) decreased to 9.2%.

Community transmission level

Level of Community Transmission uses two indicators for categorization (1. Total number of new cases per 100,000 persons within the last 7 days and 2. Percentage of positive diagnostic and screening nucleic acid amplification tests (NAAT) during the last 7 days). If the two indicators suggest different transmission levels, the higher level is selected.

During the latest reporting period, the community transmission remained at: High / Red.

Table 3. CDC Data Tracker indicator categories:

	DARK GREEN	LIGHT GREEN	YELLOW	ORANGE	LIGHT RED	RED
Cases per 100k - 7-day total	4 or less	5 – 9	10 – 49	50 – 99	100 – 199	200 or more
Viral (RT-PCR) lab test positivity rate - 7 day average	2.9% or less	3.0% – 4.9%	5.0% – 7.9%	8.0% – 9.9%	10.0% – 14.9%	15.0% or more
Confirmed COVID-19 admissions per 100 inpatient beds - 7-day total	1.0 or less	1.1 – 3.0	3.1 – 5.0	5.1 – 10.0	10.1 – 15.0	15.1 or more
% ICU beds occupied	No category 0% – 80%				81% – 90%	91% or more
% ICU beds occupied by COVID-19 patient	3% or less	4% – 7%	8% – 12%	13% – 15%	16% – 20%	21% or more

Table 4. Community Transmission Levels

	LOW	MODERATE	SUBSTANTIAL	HIGH
Cases per 100k - 7-day total	0 – 9	10 – 49	50 – 99	100 or more
Viral (RT-PCR) lab test positivity rate – 7 day average	0.0% – 4.9%	5.0% – 7.9%	8.0% – 9.9%	10.0% or more
Combined Transmission Level	<i>higher of cases per 100k and test positivity</i>			

Hospitalization Utilization Rates

Hospital data are reported to HHS either directly from facilities or via a state submission.

Confirmed COVID-19 hospital admission rate

Confirmed / suspected admissions is the sum of reported values for all hospitals reporting in the given timeframe. Confirmed / suspected COVID-19 admissions in the last 7 days divided by the total inpatient beds in that time period, as calculated above.

During the latest reporting period (1/17 to 1/23/2022), the 7-day average hospitalization rate for confirmed COVID-19 cases decreased to 11.7 admissions per 100 hospital beds.

ICU bed occupancy (total and COVID-19)

Utilization metrics for inpatient beds, staffed adult ICU beds, and ventilators calculate the average utilization in the geography for the week. Resources used by COVID-19 patients are as a percentage of total resources (rather than as a percentage of used resources).

During the latest reporting period (1/17 to 1/23/2022), the 7-day average for total adult ICU occupancy decreased to 90% and the COVID-19 adult ICU occupancy decreased to 39%.

County vaccination rates

CDC vaccination data represents all vaccine partners including jurisdictional partner clinics, retail pharmacies, long-term care facilities, dialysis centers, Federal Emergency Management Agency and Health Resources and Services Administration partner sites, and federal entity facilities.

As of January 25, 2022, the fully vaccinated rates in Summit County were:

Total population: 61.4%, Ages 5 – 11 years: 23.9%, Ages 12 – 17 years: 52.2%
Ages 12 and over: 68.8%, Ages 18 and over: 70.3%, Ages 65 and over: 88.1%.

CDC area of concern continuum

The Areas of Concern Continuum (AOCC) is used to describe communities as they progress through stages of the epidemic. There are 7 possible AOC classifications based on current and recent history of case and testing data for the location:

Table 5. CDC Areas of Concern categories

Low Burden	communities with minimal activity
Moderate Burden	communities with moderate disease activity
Emerging Hotspot	communities with a high likelihood to become hotspots in the next 1-7 days
Hotspot	communities that have reached a threshold of disease activity considered as being of high burden
Sustained Hotspot	communities that have had a high sustained case burden and may be higher risk for experiencing healthcare resource limitations
High Burden –Resolving	communities that were recently identified as hotspots and are now improving
Moderate Burden –Resolving	communities that have a moderate level of burden, but are demonstrating improvement
Data Sources: CDC Aggregate county data; unified testing dataset; US Census 2019	

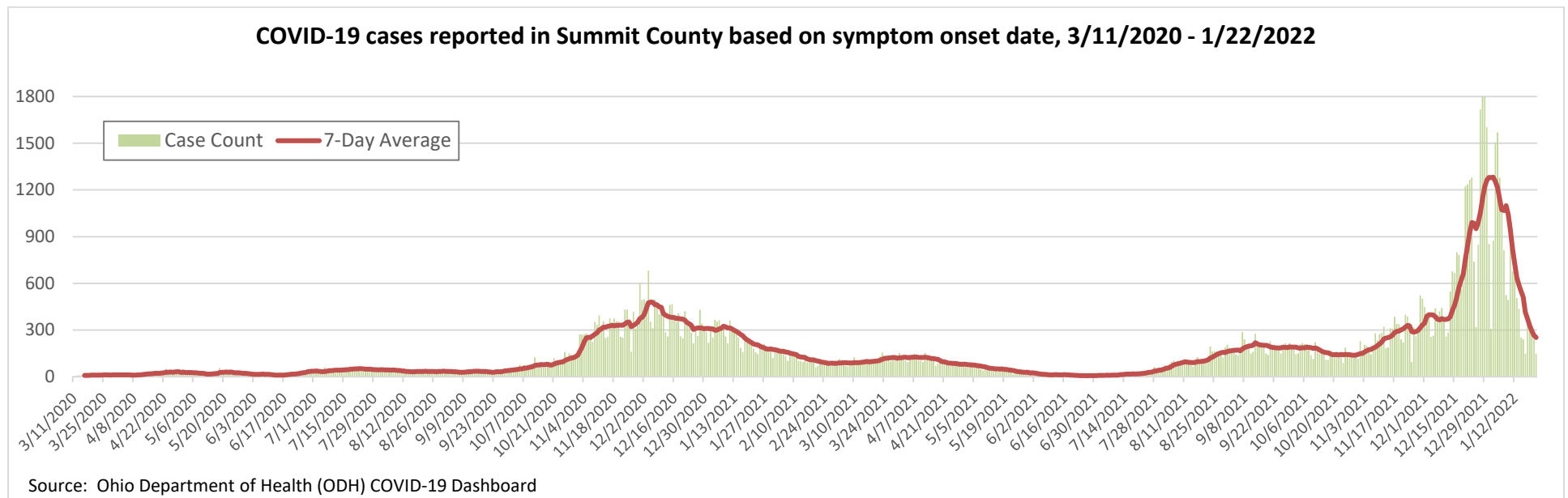
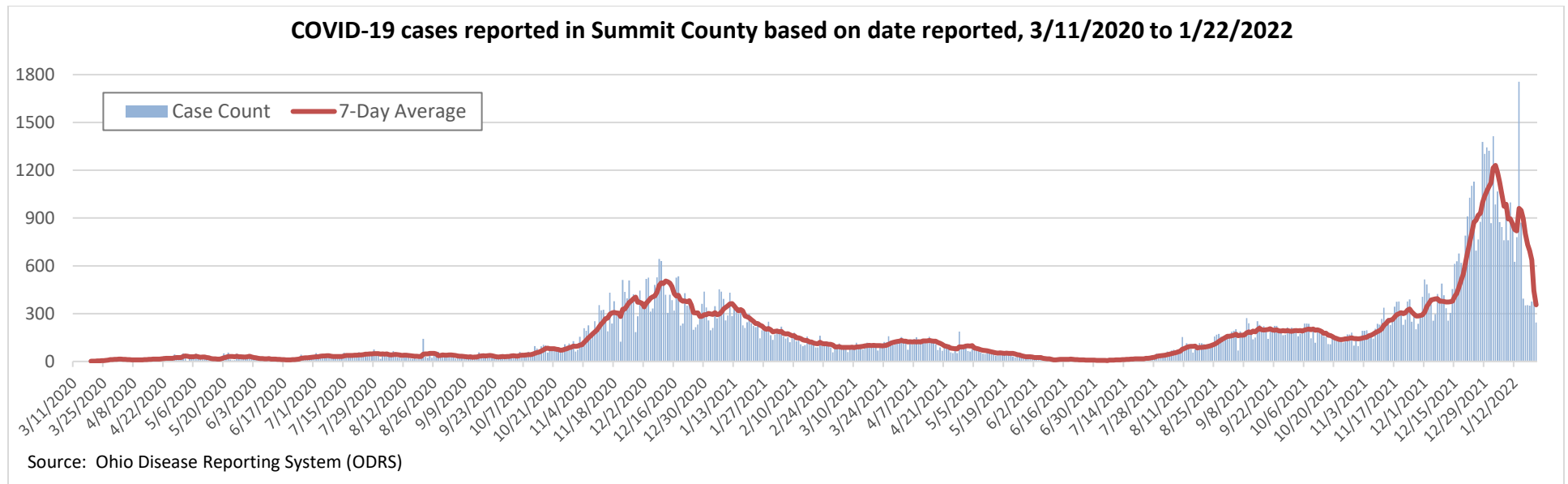
During the latest reporting period, Summit County AOCC status remained at Sustained Hotspot.

About this report: Data used in the report was obtained from three sources:

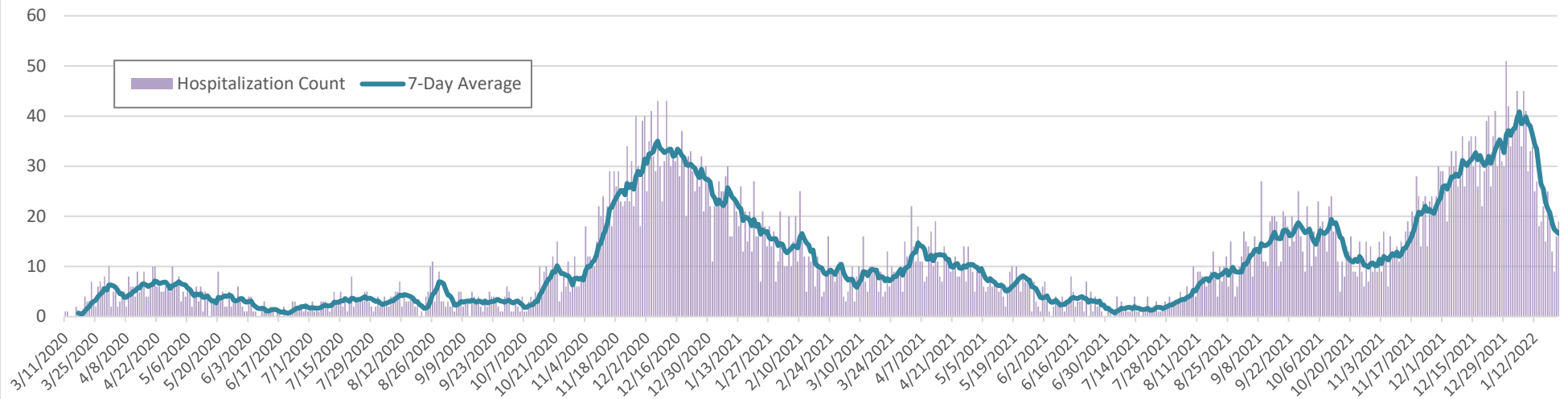
- 1) ODH COVID-19 Data Dashboard:** The State of Ohio COVID-19 Dashboard displays the most recent preliminary data reported to the Ohio Department of Health (ODH) about cases, hospitalizations and deaths in Ohio by selected demographics and county of residence. Data is reported to ODH via the [Ohio Disease Reporting System \(ODRS\)](#): The ODH data dashboard may be accessed here: <https://coronavirus.ohio.gov/wps/portal/gov/covid-19/dashboards/overview>
- 2) CDC Data Tracker and Community Profile Reports:** Using aggregated data from state and local health departments and healthcare facilities, the Centers for Disease Control and Prevention provides national, state and county level data on their Data Tracker website, and also release Community Profile reports twice a week. The CDC data tracker can be accessed here: <https://covid.cdc.gov/covid-data-tracker/#datatracker-home> , and the CDC COVID-19 Community Profile Reports can be downloaded from this website: <https://healthdata.gov/Health/COVID-19-Community-Profile-Report/gqxm-d9w9>
- 3) Summit County Public Health:** Data reported by Summit County Public Health is acquired from the Ohio Disease Reporting System (ODRS). In addition to this report, a COVID-19 data dashboard is available at: <https://www.scph.org/covid/maps-data> This dashboard is updated daily (Monday-Friday by 4:00 pm).

Numbers may change as updated reports are received. For questions, please contact Joan Hall at the Summit County Public Health Communicable Disease Unit (communicabledisease@schd.org). Report was issued on January 27, 2022.

APPENDIX. Daily COVID-19 case counts (by report date and symptom onset date), hospitalizations and deaths since the start of the pandemic

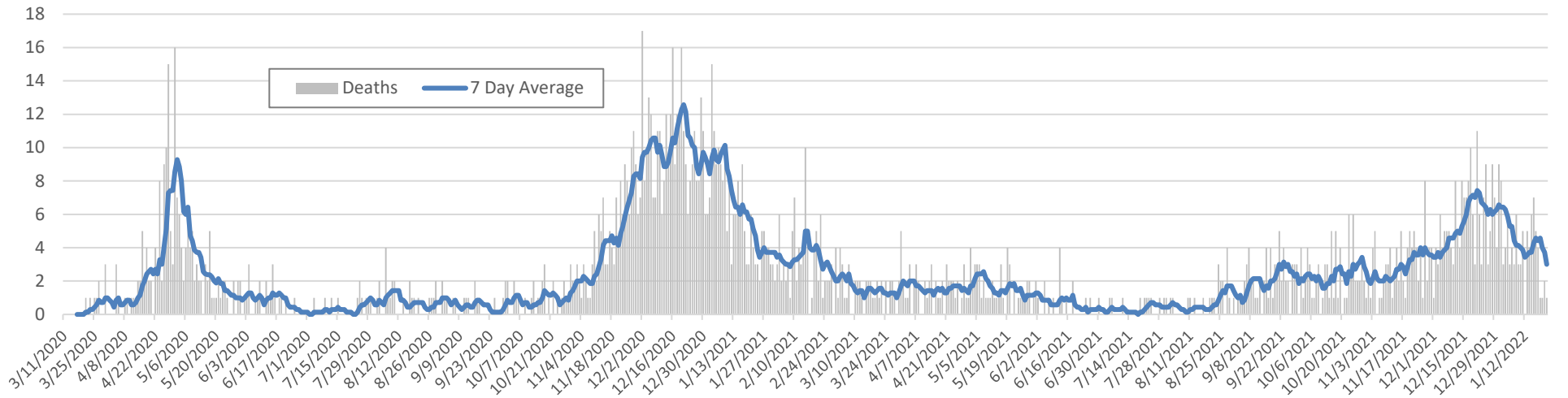


COVID-19 hospitalizations reported in Summit County, based on admission date, 3/11/2020 to 1/22/2022



Source: Ohio Disease Reporting System (ODRS)

COVID-19 deaths reported in Summit County, based on date of death, 3/11/2020 to 1/22/2022



Source: Ohio Disease Reporting System (ODRS)