

# COVID-19 in Lake County, Ohio: October 4, 2021

This report summarizes available data for total COVID-19 cases in Lake County, Ohio, including both laboratory confirmed and probable cases, based on cumulative data entered in the Ohio Disease Reporting System Data Extract as of 12:01 am Sunday prior to the date of issue. The level of detail provided has been determined appropriate to ensure the protection of sensitive individual health information. Some data are preliminary, and therefore subject to change.

**Total Cases: 25,331**

Two-week Incidence Rate  
per 100,000 population: 397.6

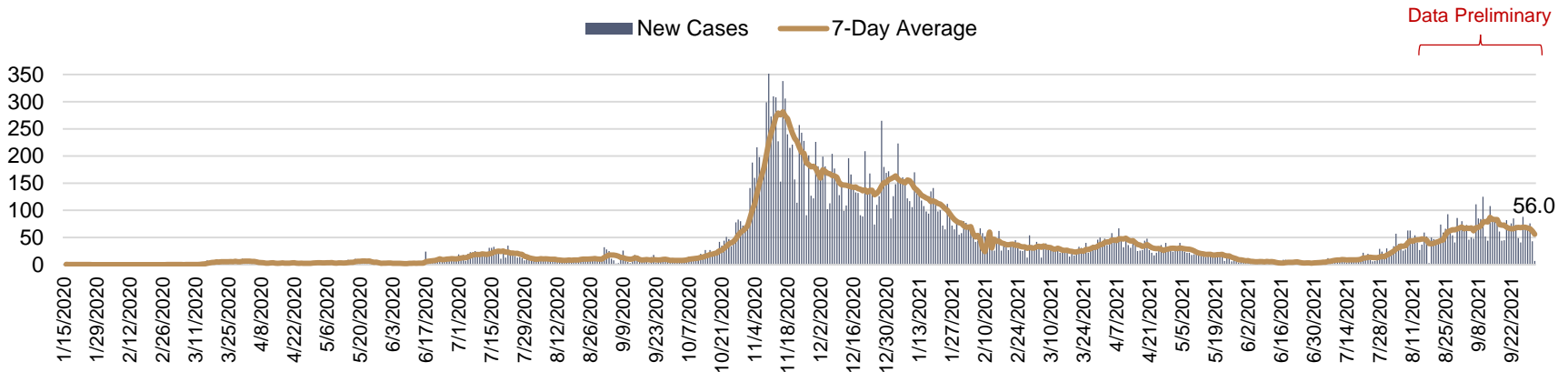
**Lab Confirmed Cases: 22,078**

At Least 1 Dose Vaccine: 139,384 (60.56%)  
Fully Vaccinated: 130,966 (56.90%)  
(% based on total Lake County population per [ODH Dashboard](#))

**Probable Cases: 3,253**

Antibody Positive: 16  
Antigen Positive: 3,021  
Non- Antigen/Antibody: 216

New COVID-19 Cases by Event Date\*



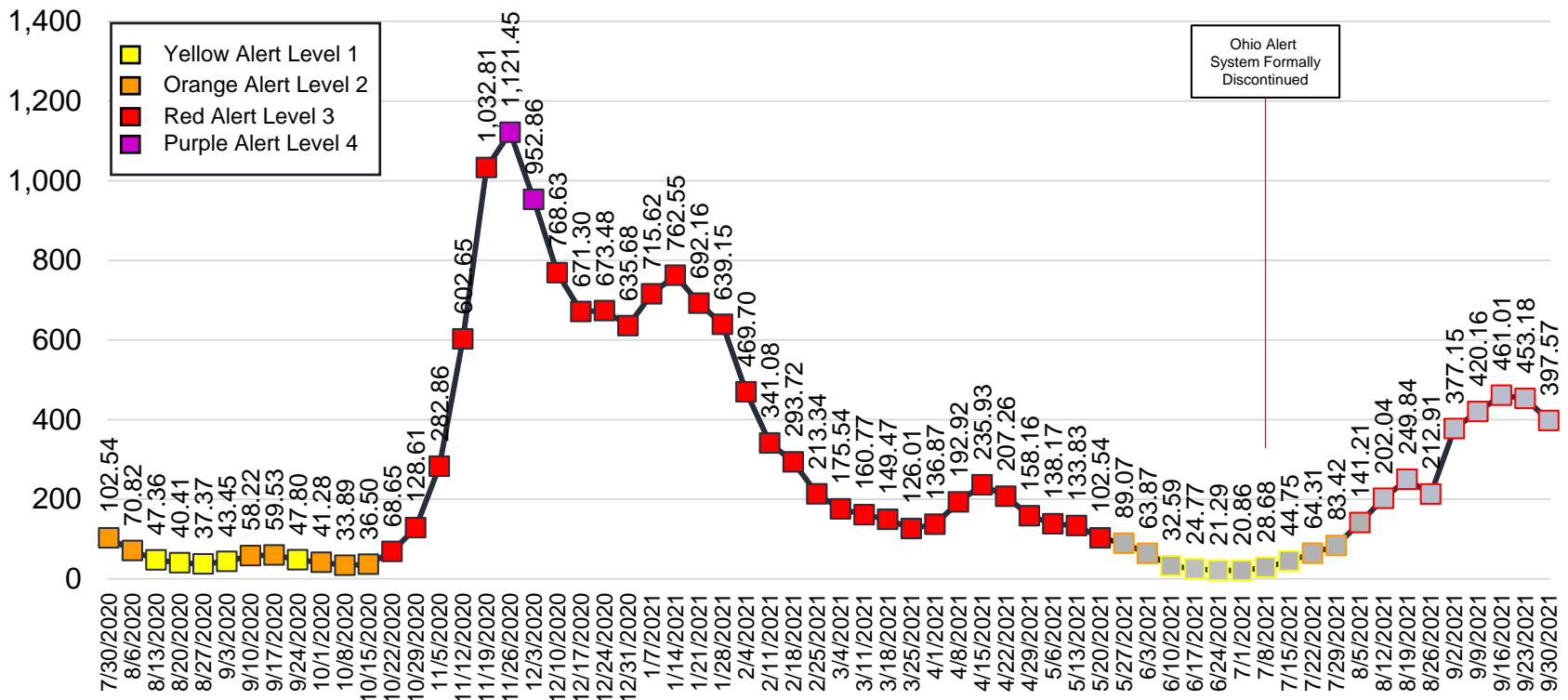
\*Event Date refers to the first date in a medical record associated with a given illness. For the vast majority of cases, the reported Event Date refers to the date of symptom onset (date on which the case first experienced COVID-19 symptoms). For the cases for which this date is unknown, the date presented refers to the date a specimen was collected for COVID-19 testing. Due to lags in testing and reporting, new cases may appear for dates several weeks in the past. A seven (7) day rolling average is included to assist in visualizing the trend, and the most recent value is indicated on the far right side of the graph.



## Lake County Two-Week COVID-19 Incidence Rates

The graph below summarizes the two-week incidence rates for COVID-19 (number of new cases of COVID-19 per 100,000 Lake County Residents) ending on the date indicated. This metric informed Indicator 1, new cases per capita, for the [Ohio Public Health Advisory Alert System](#), adopted July 30, 2020, and discontinued May 27, 2021. The markers indicating each week's rate are colored to reflect Lake County's Alert designation for that week (see link for details). Note, alert level was determined using seven (7) indicators, not only incidence. Lake County would have returned to Orange on May 27, 2021, and Yellow on June 10, 2021.

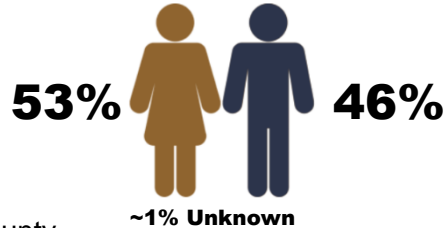
Lake County Two-Week Incidence Rate (Cases per 100,000 population)



## Cumulative Total COVID-19 Cases (N=25,331)

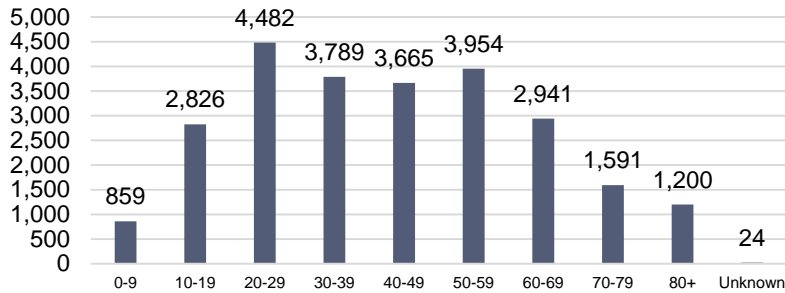


**Ages:**  
**<1 to 106**  
**Average:**  
**43 Years**

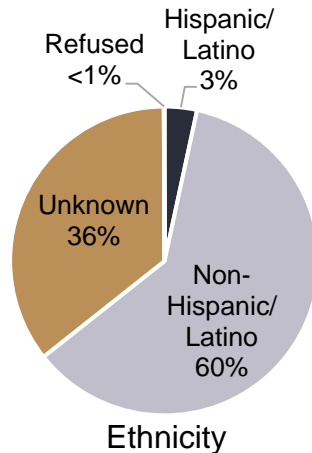
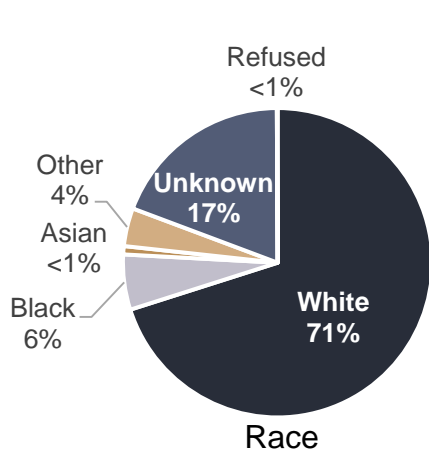
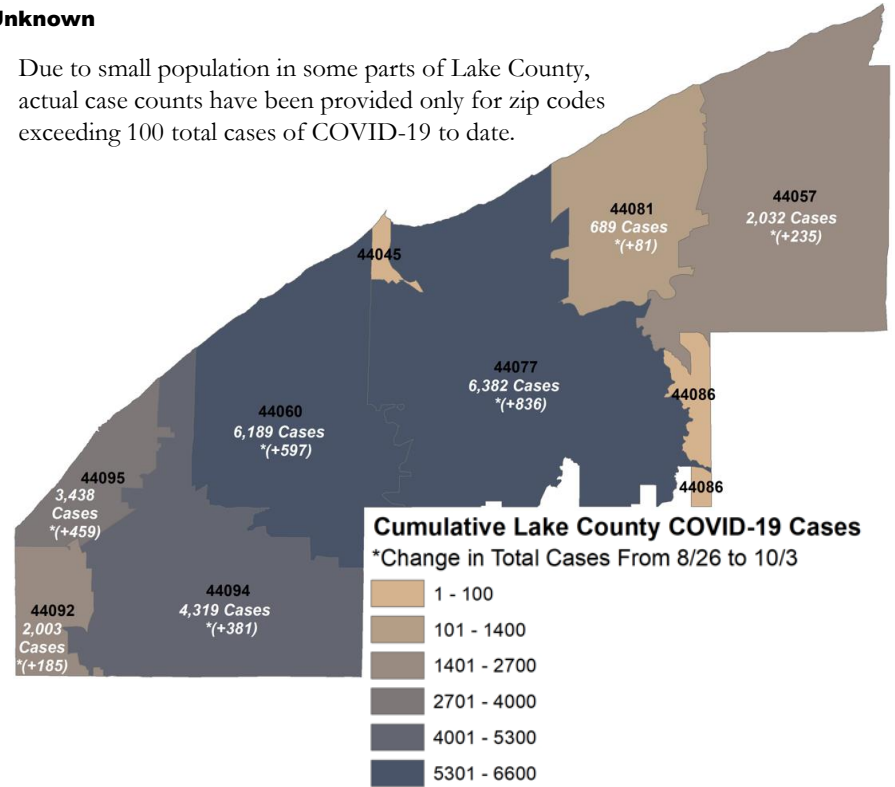


**5%**  
**Healthcare Workers**

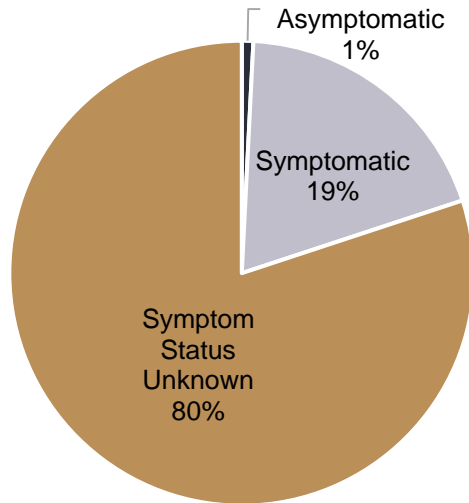
Ages of COVID-19 Cases in Lake County



Due to small population in some parts of Lake County, actual case counts have been provided only for zip codes exceeding 100 total cases of COVID-19 to date.



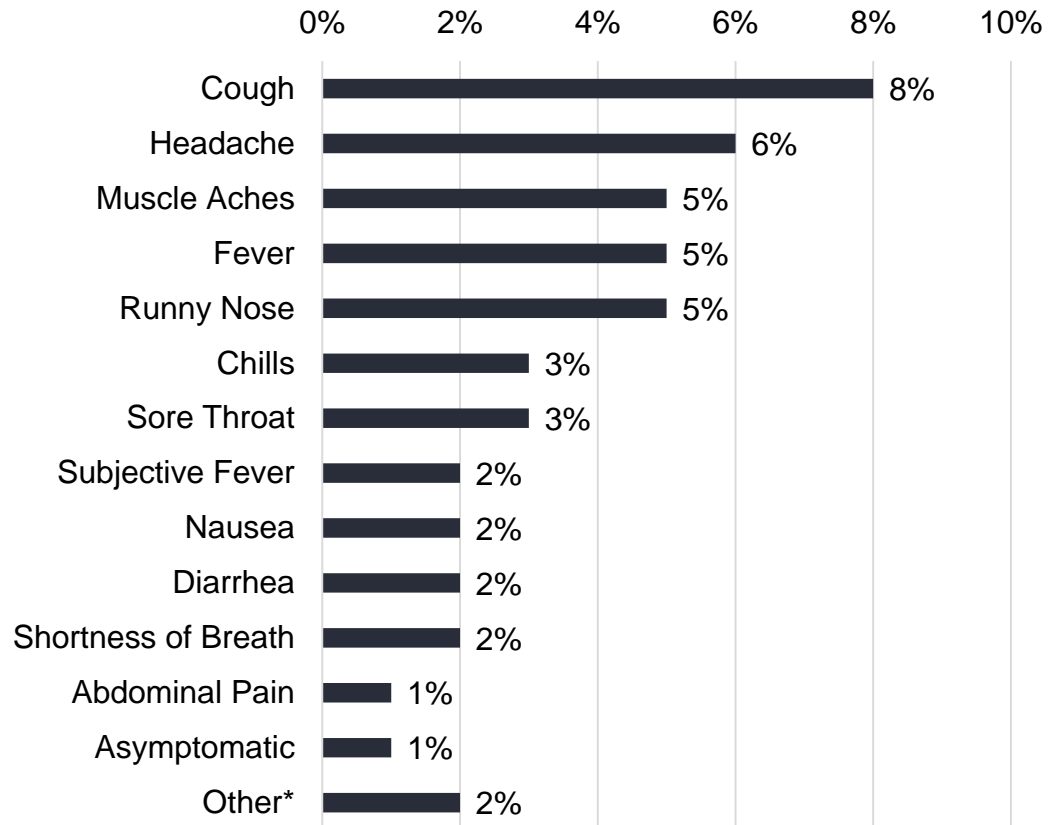
The following provides an overview of COVID-19 symptoms experienced by Lake County’s confirmed and probable COVID-19 cases in September. To date for September, approximately 1% of cases have been verified as asymptomatic. Percentages reported for symptom frequency are based on the Event Date, which is date of positive test, or date of symptom onset if known from case interview.



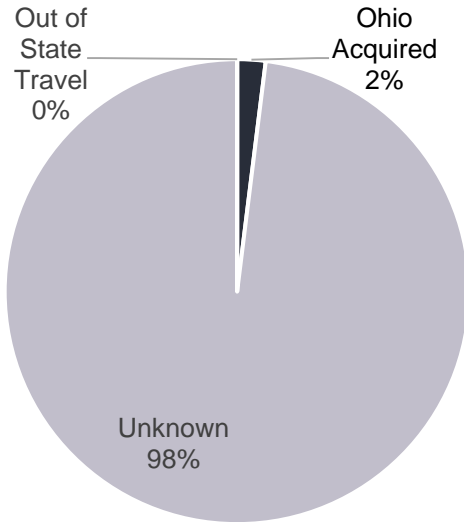
**Symptom Status (n=2,132)**

\*Other common symptoms reported included congestion, sinus pressure, fatigue, weakness, dizziness, loss of sense of taste and smell, chest pain/tightness, sneezing, rash, eye pain, and brain fog.

### Frequency of COVID-19 Symptoms



September COVID-19 Cases to date (N=2,132)

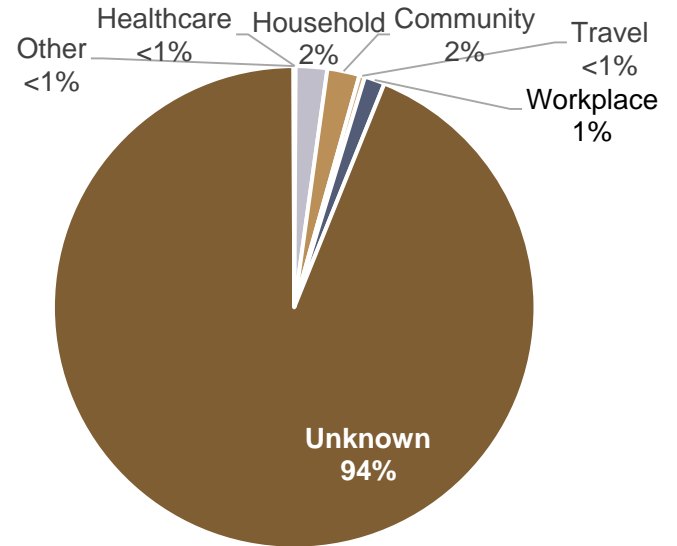


States of Exposure:

Ohio

Countries of Exposure:

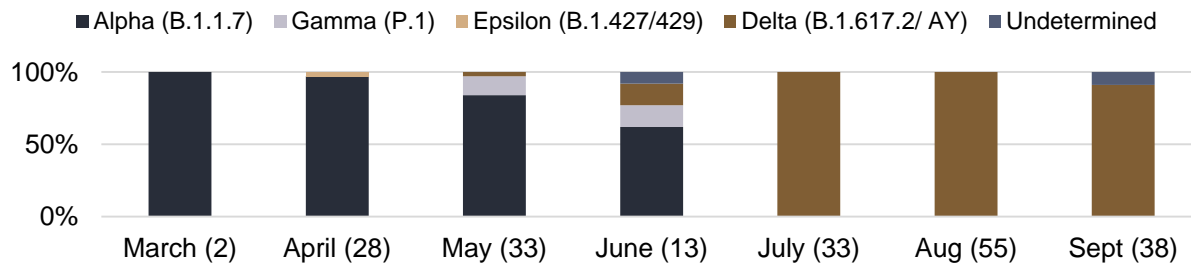
USA  
Mexico



Exposure Geography

Exposure Source

Known Lake County Variants, 2021 (n=202)

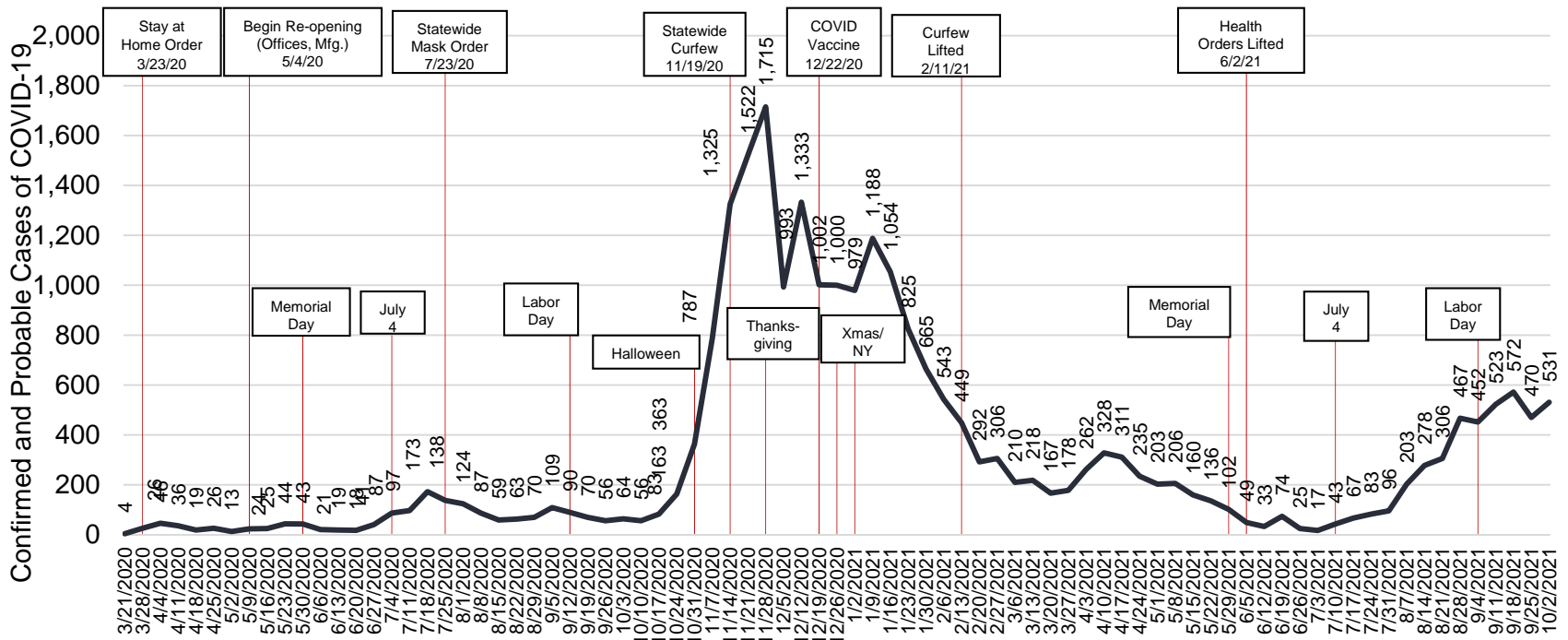


County health departments receive limited information about a small percentage of test results able to be sequenced for variants. To date, Lake County is aware of 202 variant cases among its residents, though the number of actual variant cases is likely much higher. The number of known variant cases is indicated for each month. Information provided is to identify trends, not describe all cases.



The following graph depicts the number of new cases among Lake County residents by week, classified by the date reported to LCGHD and thus added to the cumulative count (positive test or diagnosis according to CDC case definitions). For the purposes of this report, weeks run from Sunday through Saturday. Data reported for each week reflect the number of cases reported from the previous Sunday, ending on the Saturday date shown. The date reported is used because new cases are regularly reported with symptom onset dates several weeks or more in the past due to lags in testing, reporting, and case investigation. Dates for the statewide orders, as well as major holiday observances, are added for reference.

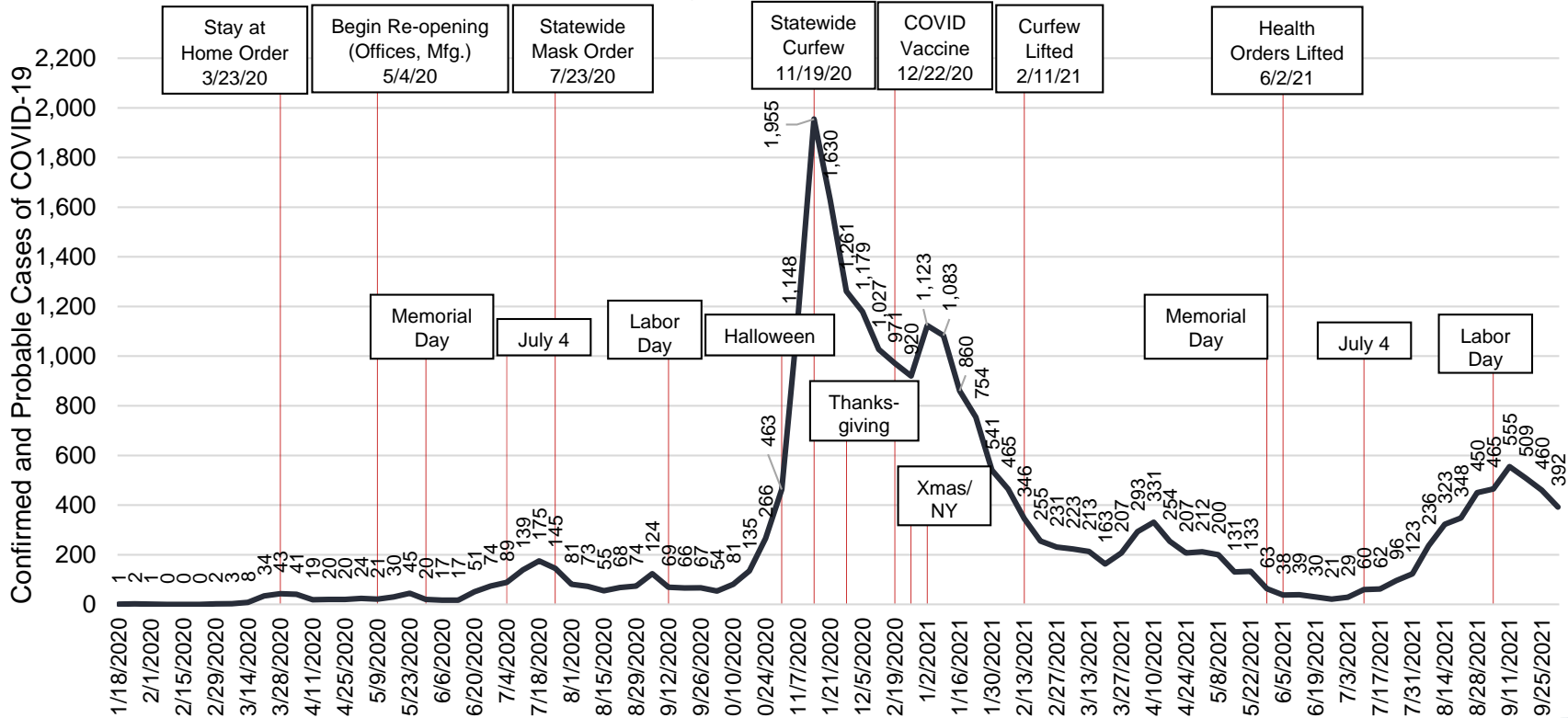
New Cases of COVID-19 Reported by Week Among Lake County Residents



The following graph depicts the number of new cases among Lake County residents by week, classified by the event date, which is the first known date associated with a case. For most cases, this is the date of symptom onset (date on which the confirmed or probable case first experienced symptoms), but may reflect the date of test specimen collection in cases where onset date is unknown due to a case being asymptomatic, or delays in the verification of the onset date during case investigation. For the purpose of this report, weeks run from Sunday through Saturday. Data reported for each week reflects the number of cases from the previous Sunday ending on the Saturday date shown. Dates for statewide orders, vaccine availability, as well as major holiday observances, are added for reference.

New Cases of COVID-19 by Week, Classified by Case Event Date  
Among Lake County Residents

Data Preliminary



## COVID-19 Hospitalizations Among Lake County Residents (Cumulative)



**938**  
Cases  
Hospitalized  
(3.7% of cases)



Length of Stay:  
**1 to 38 days**  
Average:  
**6.5 Days**



**118**  
ICU  
Admissions



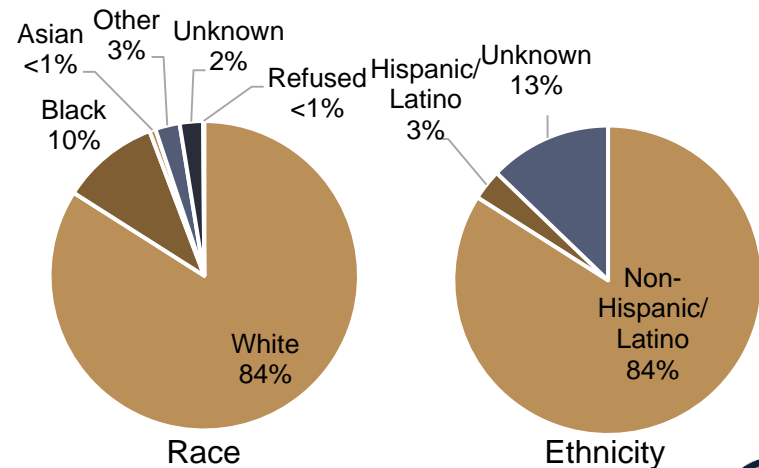
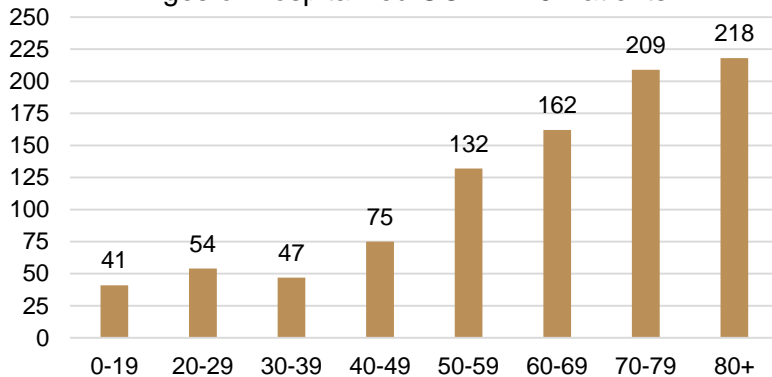
Ages:  
**<1 to 104**  
Average:  
**63 Years**

**45%**  **55%** 



**47%**  
Known  
Pre-existing  
Condition(s)

Ages of Hospitalized COVID-19 Patients





## COVID-19 Deaths (Cumulative)

To date, 485 deaths have been reported among COVID-19 cases who were Lake County residents. For 36 deaths, cause of death was not directly attributed to COVID-19, or has yet to be determined. The subset reported below has been determined to meet the vital statistics criteria outlined in the [Ohio Infectious Disease Control Manual](#) as deaths from COVID-19. Those who do not currently meet the criteria, commonly referred to as “deaths with COVID-19,” are excluded from reported statistics. Note, these statistics are compiled from the Ohio Disease Reporting System, and as of March 2, 2021, may no longer match death numbers reported on the ODH Dashboard, which now uses data exclusively from the Electronic Death Reporting System for COVID-19 deaths.

**Deaths from  
COVID-19**  
**449**



**Ages:**  
**20 to 104**  
**Average:**  
**78 Years**

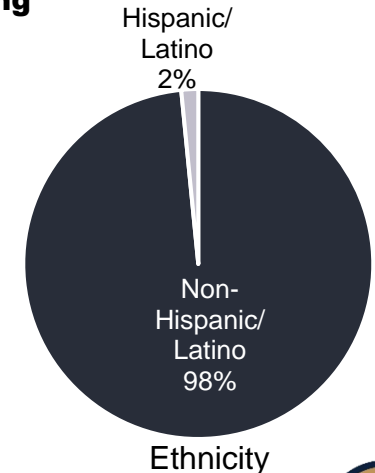
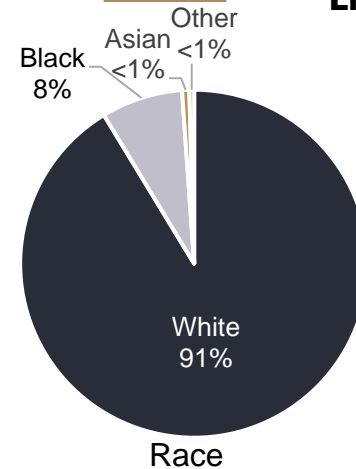
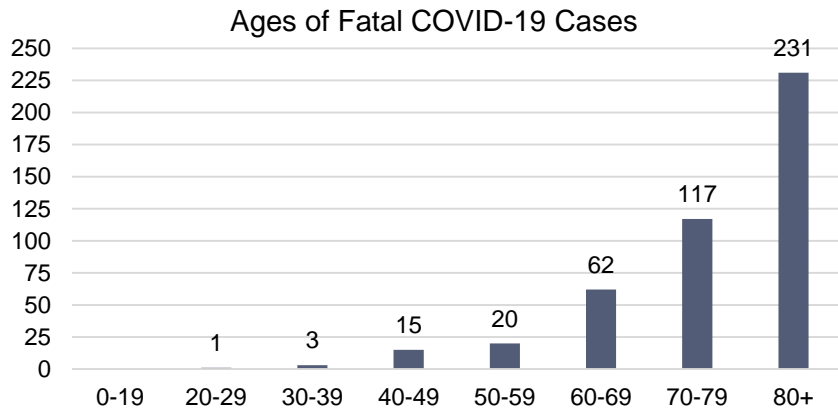
**45%**  **55%** 



**43%**  
**Known  
Pre-existing  
Condition(s)**



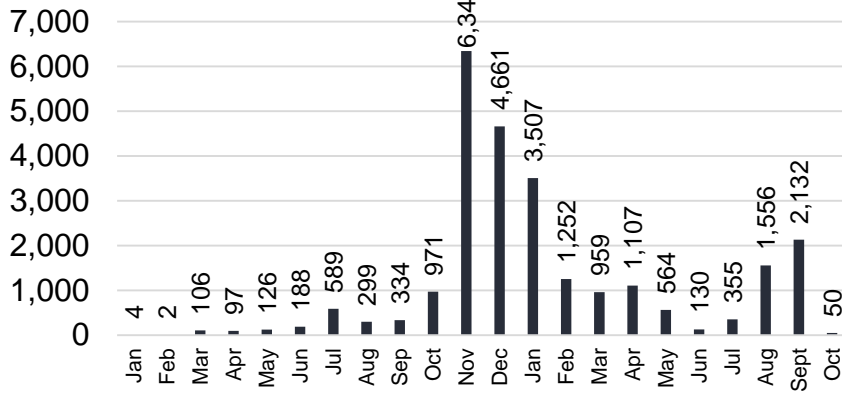
**33%**  
**Resided in  
Congregate  
Living**



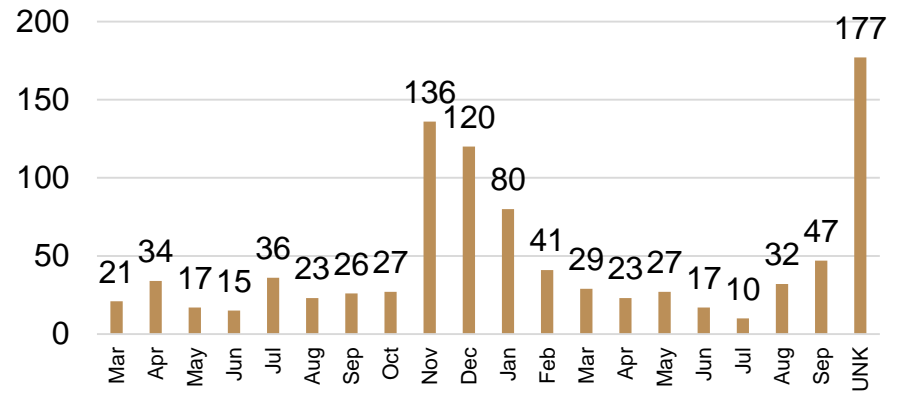
### COVID-19 Measures by Month

For data presented below, cases are classified by Event Date (first sequential date associated with a case - see detailed definition on page 1). Hospitalizations and ICU admissions are classified by facility admit date, and deaths are classified by date of death.

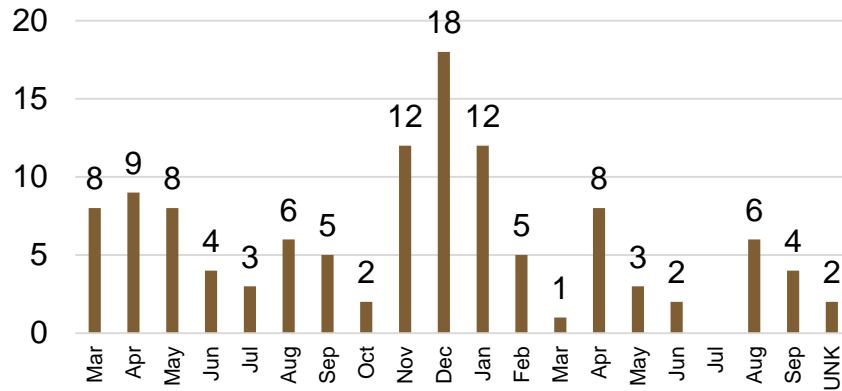
COVID-19 Cases by Month



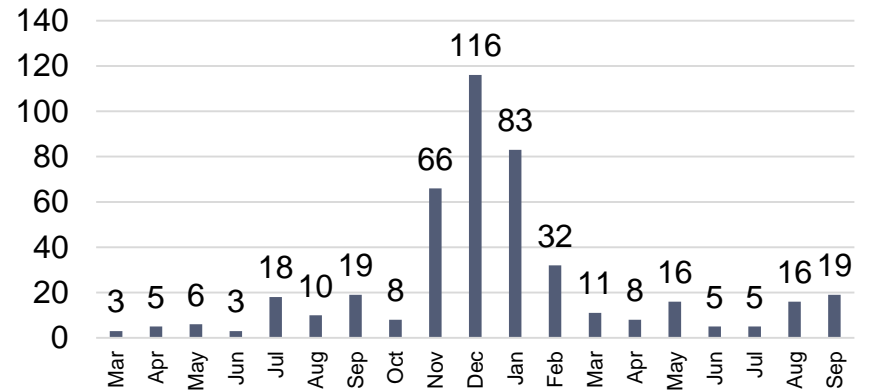
COVID-19 Hospitalizations by Month



COVID-19 ICU Admissions by Month



Deaths from COVID-19 by Month



## At a Glance

### Reported to LCGHD Since Last Data Report Release (classified by date reported)\*

Measure	8/27 <sup>+</sup>	10/3 <sup>+</sup>	Change
Total Reported COVID-19 Cases (Cumulative)	22,540	25,331	+2,791
Laboratory Confirmed COVID-19 Cases (Cumulative)	19,614	22,078	+2,464
Probable COVID-19 Cases (Cumulative)**	2,926	3,253	+327
Total Reported COVID-19 Hospitalizations (Cumulative)	876	938	+62
Total Reported COVID-19 ICU Admissions (Cumulative)	113	118	+5
Total Reported Deaths <u>from</u> COVID-19 (Cumulative)	420	449	+29
Average Age of Cumulative Cases	43	43	---
Average Age of Cases who Died <u>from</u> COVID-19	79	78	-1 Yr

### August to date (data is preliminary and subject to change as newly reported cases are investigated)

Total new cases in September (by Event Date)	2,132
COVID-19 Cases Hospitalized with <u>Known</u> Admission Date Occurring in September	47
COVID-19 Cases Admitted to ICU with <u>Known</u> Hospital Admission Date Occurring in September	4
<u>Known</u> Deaths from COVID-19 Occurring in September	19

\*Note this refers to cumulative total reported in each report, by date reported.

\*\*Includes positive antigen tests (majority), positive antibody tests (n=16), and other cases meeting probable criteria including known exposure and symptoms without a positive test result.



**Lake County**  
**General Health District**

**Public Health**  
Prevent. Promote. Protect.



REV: 10/4/2021

<sup>+</sup>Note, this report is being released off-cycle due to date conflict for next release. Changes reflect more than the usual one month's data.