COVID-19 in Lake County, Ohio: August 27, 2021

This report summarizes available data for <u>total</u> 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 Thursday 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: 22,540

Two-week Incidence Rate per 100,000 population: 212.9

Lab Confirmed Cases: 19,614

At Least 1 Dose Vaccine: 134,098 (58.27%)
Fully Vaccinated: 124,797 (54.22%)
(% based on <u>total</u> Lake County population per ODH Dashboard)

Probable Cases: 2,926

Antibody Positive: 16
Antigen Positive: 2,698
Non- Antigen/Antibody: 212

New COVID-19 Cases by Event Date*

Legend: New Cases — 7-Day Average

Data Preliminary

41.7
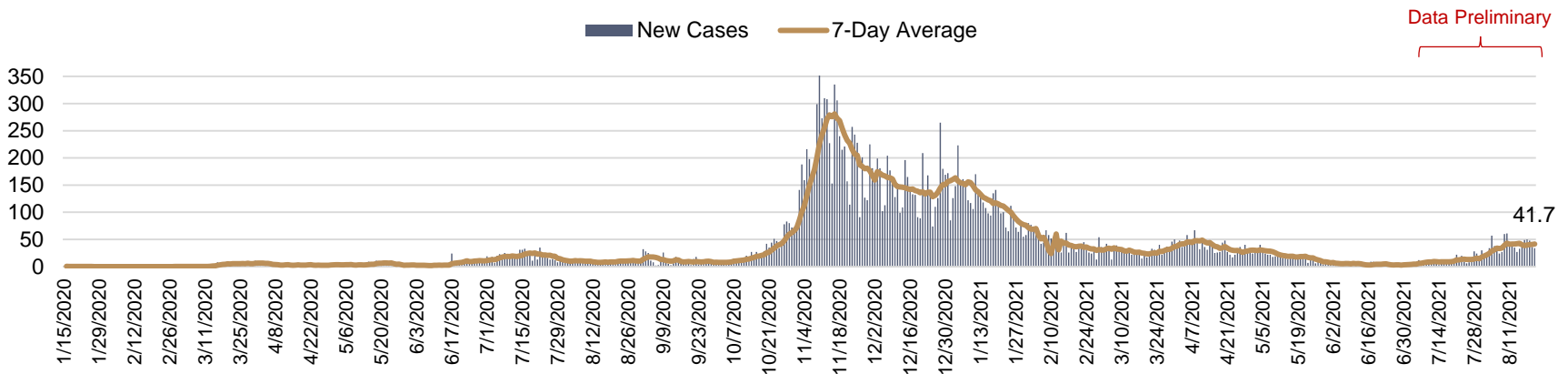
*Event Date refers to the first date in a medical record associated with a given illness. For the vast majority of cases, the reported Event Date refers to the date of symptom onset (date on which the case first experienced COVID-19 symptoms). For the cases for which this date is unknown, the date presented 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.
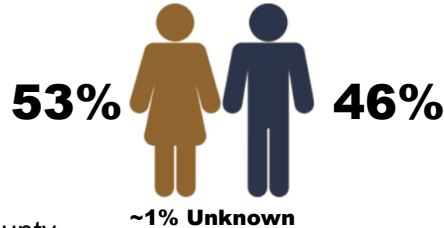
Lake County Two-Week Incidence Rate (Cases per 100,000 population)
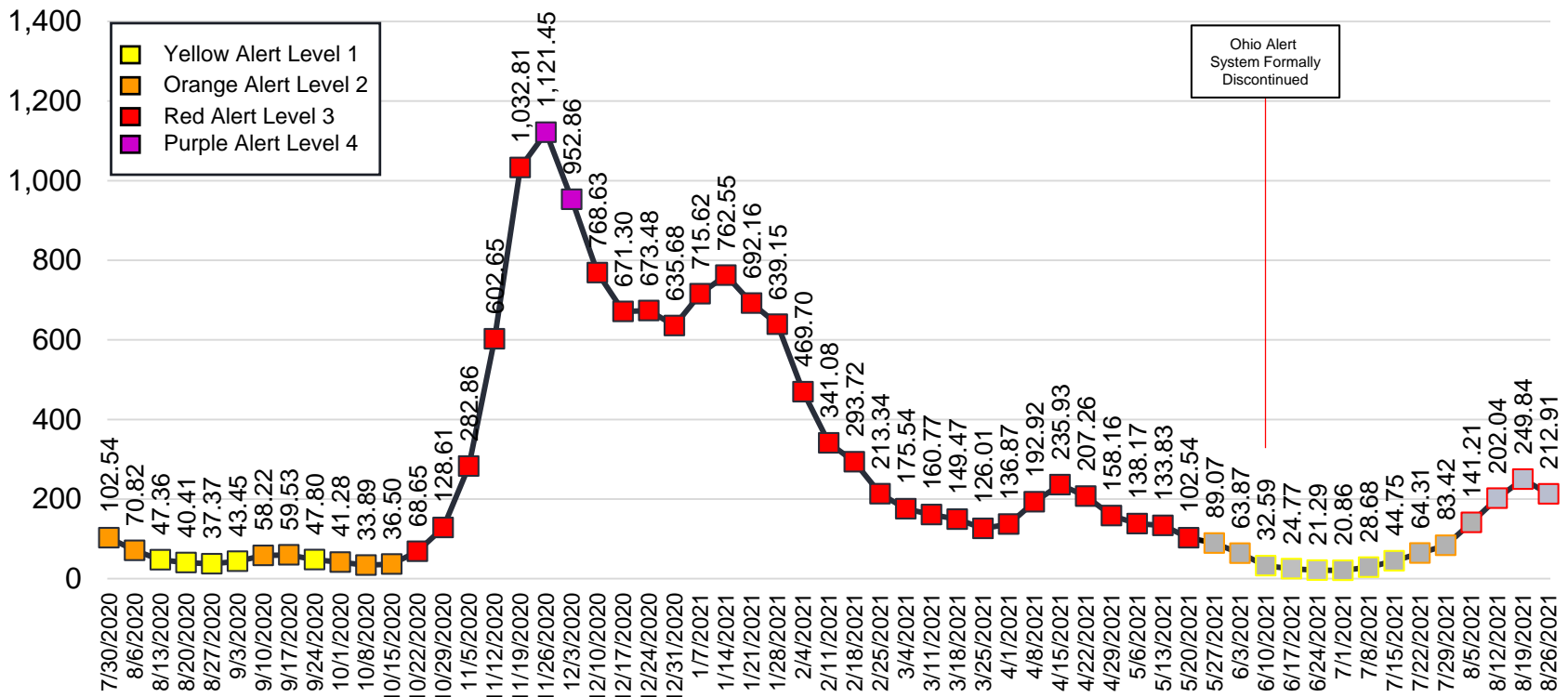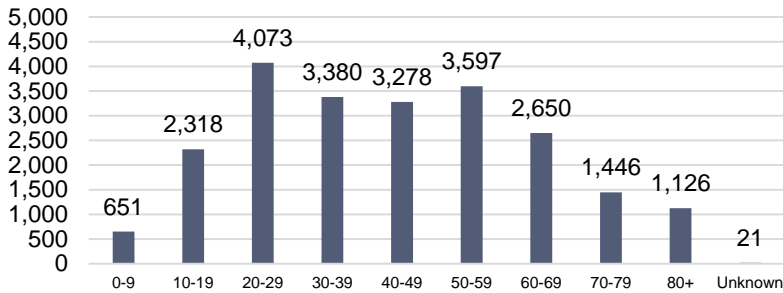
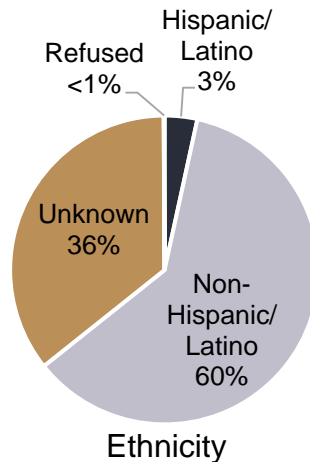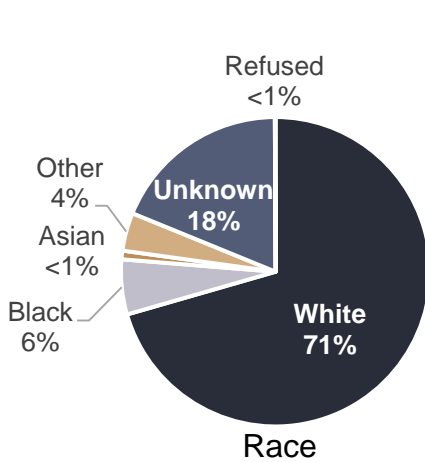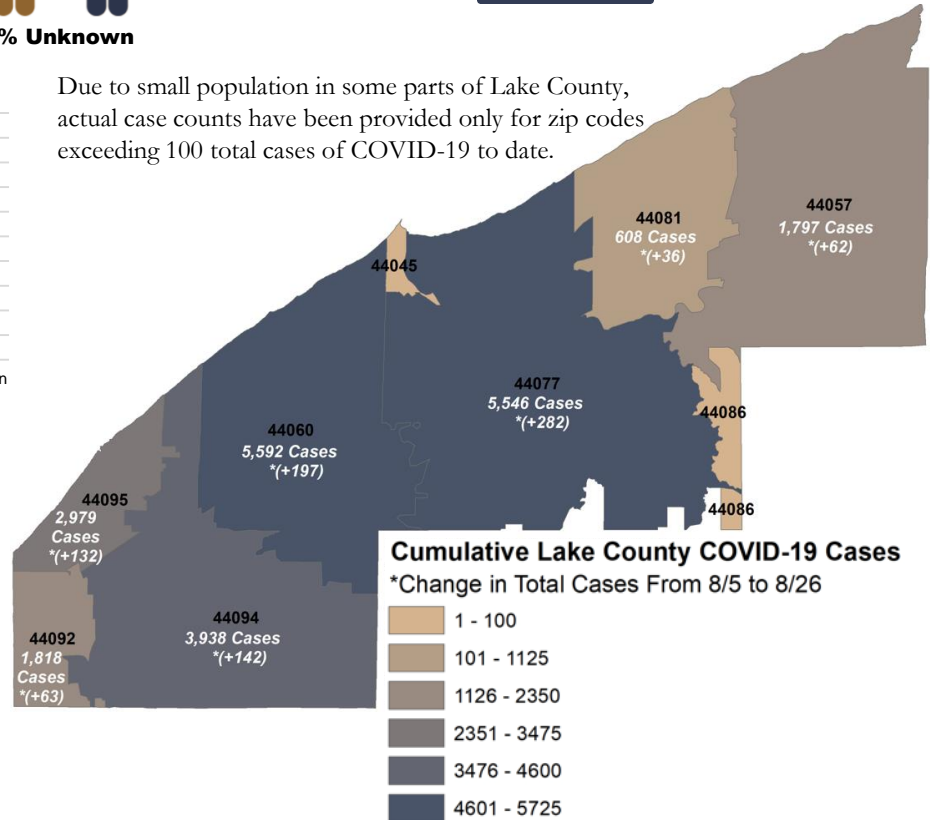# Cumulative Total COVID-19 Cases (N=22,540)

Ages:
<1 to 106
Average:
43 Years

53% **46%**

~1% Unknown

6%
Healthcare Workers

Ages of COVID-19 Cases in Lake County

| Age Group	Cases
0-9	651
10-19	2,318
20-29	4,073
30-39	3,380
40-49	3,278
50-59	3,597
60-69	2,650
70-79	1,446
80+	1,126
Unknown	21

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.

Race
- White 71%
- Unknown 18%
- Black 6%
- Other 4%
- Asian <1%
- Refused <1%

Ethnicity
- Non-Hispanic/Latino 60%
- Unknown 36%
- Hispanic/Latino 3%
- Refused <1%

Cumulative Lake County COVID-19 Cases
*Change in Total Cases From 8/5 to 8/26

- 44081 — 608 Cases *(+36)
- 44057 — 1,797 Cases *(+62)
- 44045
- 44077 — 5,546 Cases *(+282)
- 44086
- 44060 — 5,592 Cases *(+197)
- 44095 — 2,979 Cases *(+132)
- 44094 — 3,938 Cases *(+142)
- 44092 — 1,818 Cases *(+63)
- 44086

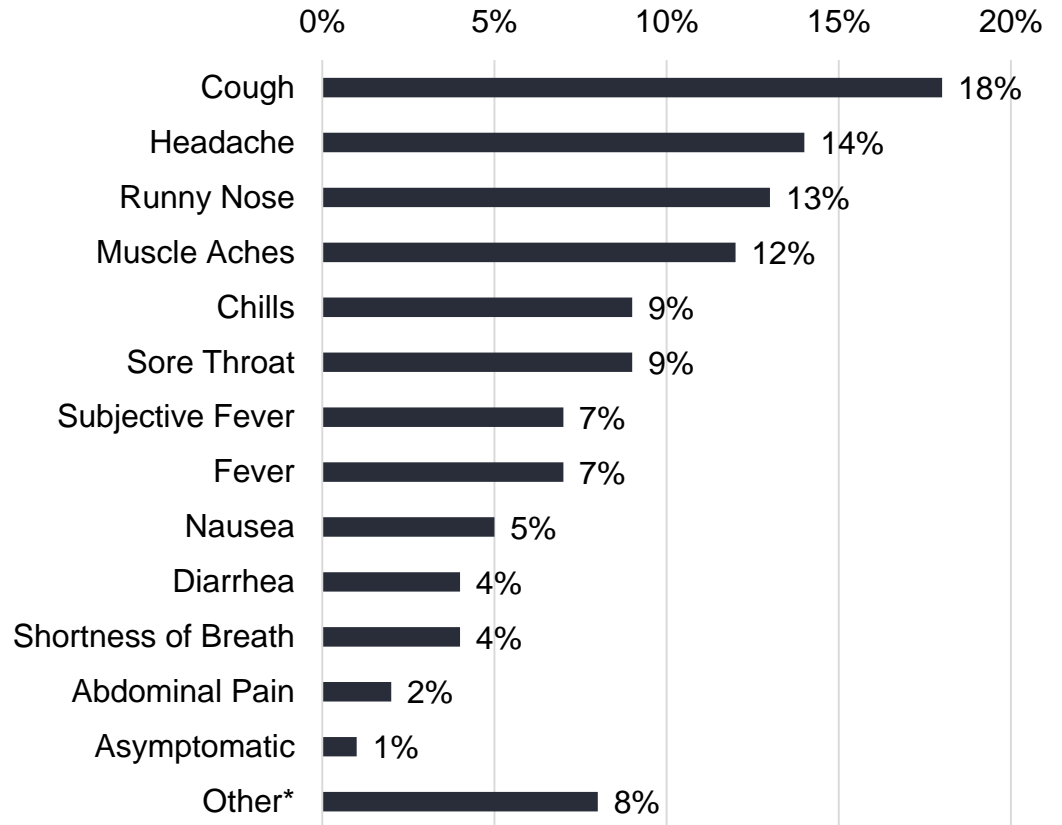| Legend	
1 - 100	
101 - 1125	
1126 - 2350	
2351 - 3475	
3476 - 4600	
4601 - 5725	

The following provides an overview of COVID-19 symptoms experienced by Lake County's confirmed and probable COVID-19 cases **in August**. To date for August, 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.
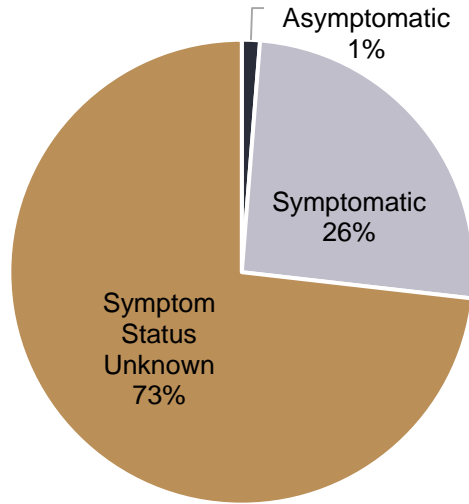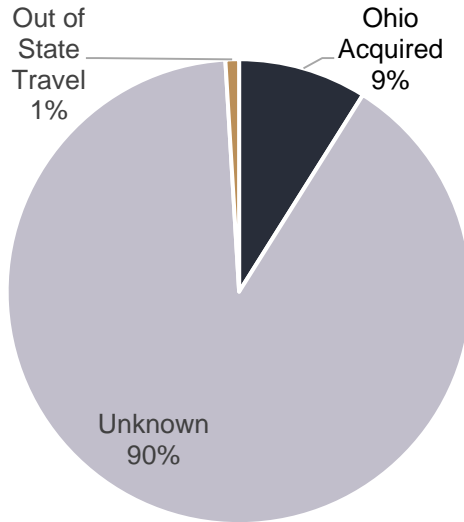

Symptom Status (n=955)

*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

Symptom	Percentage
Cough	18%
Headache	14%
Runny Nose	13%
Muscle Aches	12%
Chills	9%
Sore Throat	9%
Subjective Fever	7%
Fever	7%
Nausea	5%
Diarrhea	4%
Shortness of Breath	4%
Abdominal Pain	2%
Asymptomatic	1%
Other*	8%

August COVID-19 Cases to date (N=955)

Exposure Geography

- Out of State Travel 1%
- Ohio Acquired 9%
- Unknown 90%

States of Exposure:

Ohio
Florida
Georgia
Maine
Missouri
New York
North Carolina

Countries of Exposure:

USA
Italy
Mexico

Exposure Source

- Other <1%
- Household 7%
- Community 4%
- Travel 5%
- Workplace 6%
- Unknown 77%
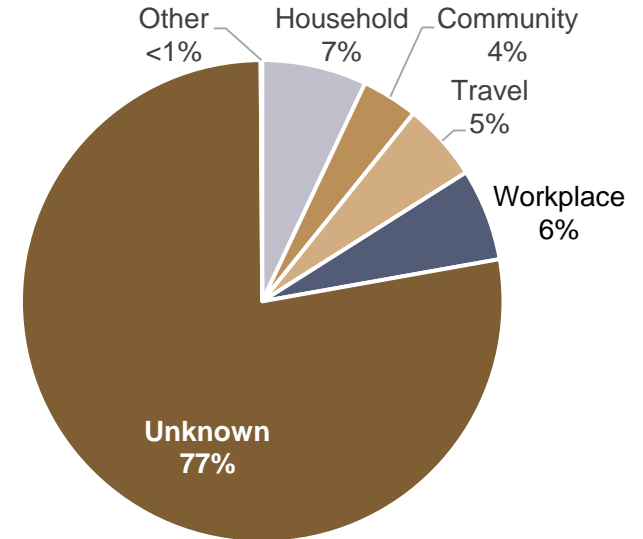
Known Lake County Variants, 2021 (n=84)

■ Alpha (B.1.1.7)   ■ Gamma (P.1)   ■ Epsilon (B.1.427/429)   ■ Delta (B.1.617.2/ AY)

|	March (3)	April (29)	May (32)	June (10)	July (32)	Aug (9)
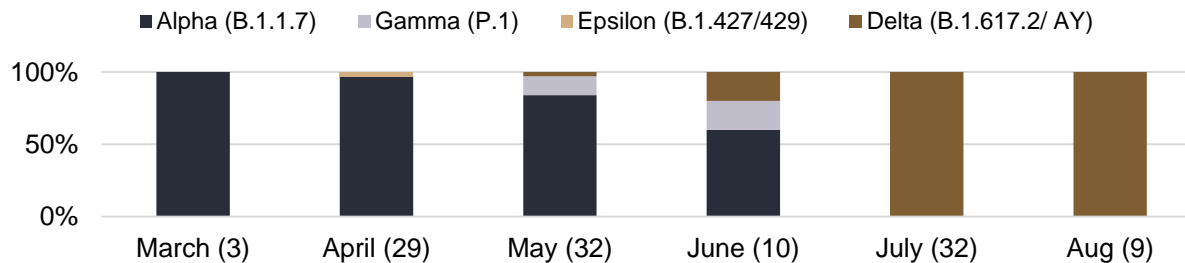
County health departments receive limited information about a small percentage of test results able to be sequenced for variants. To date, Lake County is aware of 115 variant cases among its residents, though the number of actual variant cases is likely much higher. The number of known variant cases 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
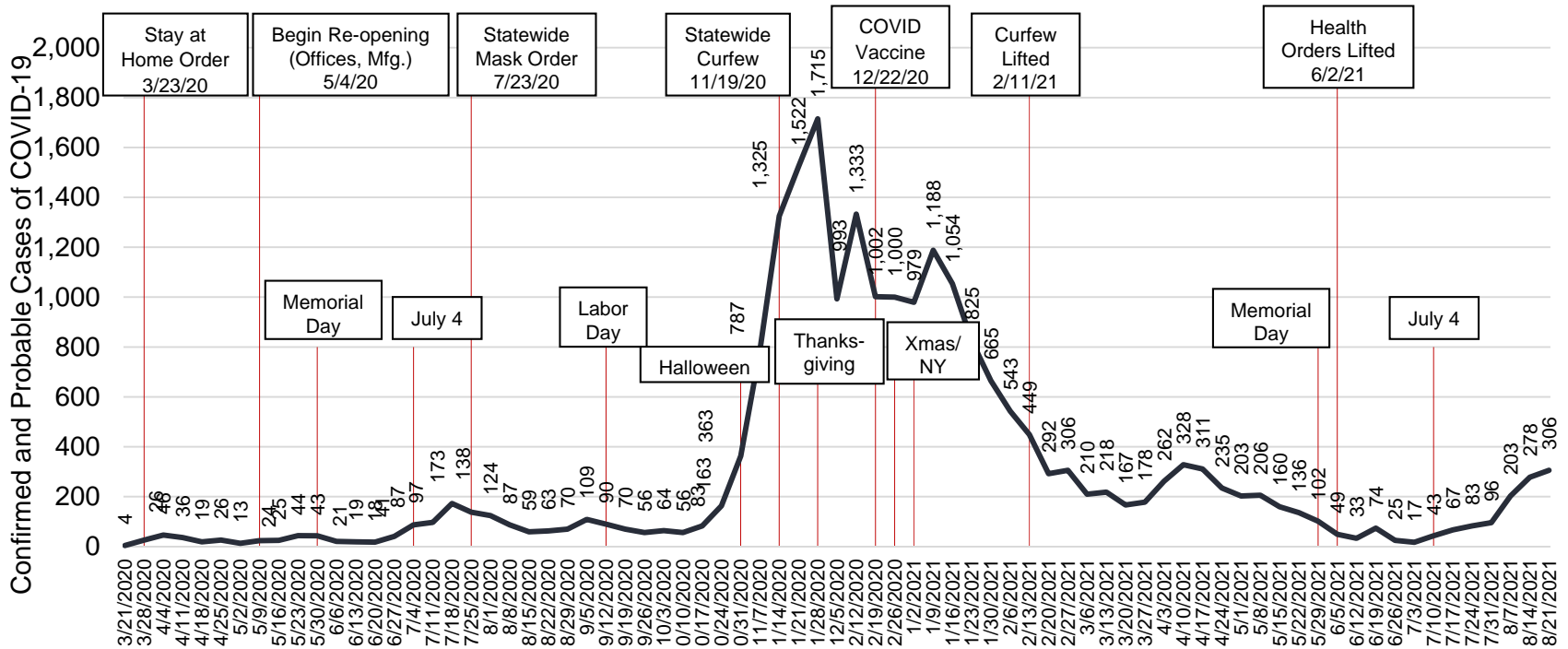
The following graph depicts the number of new cases among Lake County residents by week, classified by the event date, which is the first known date associated with a case. For most cases, this is the date of symptom onset (date on which the confirmed or probable case first experienced symptoms), but 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
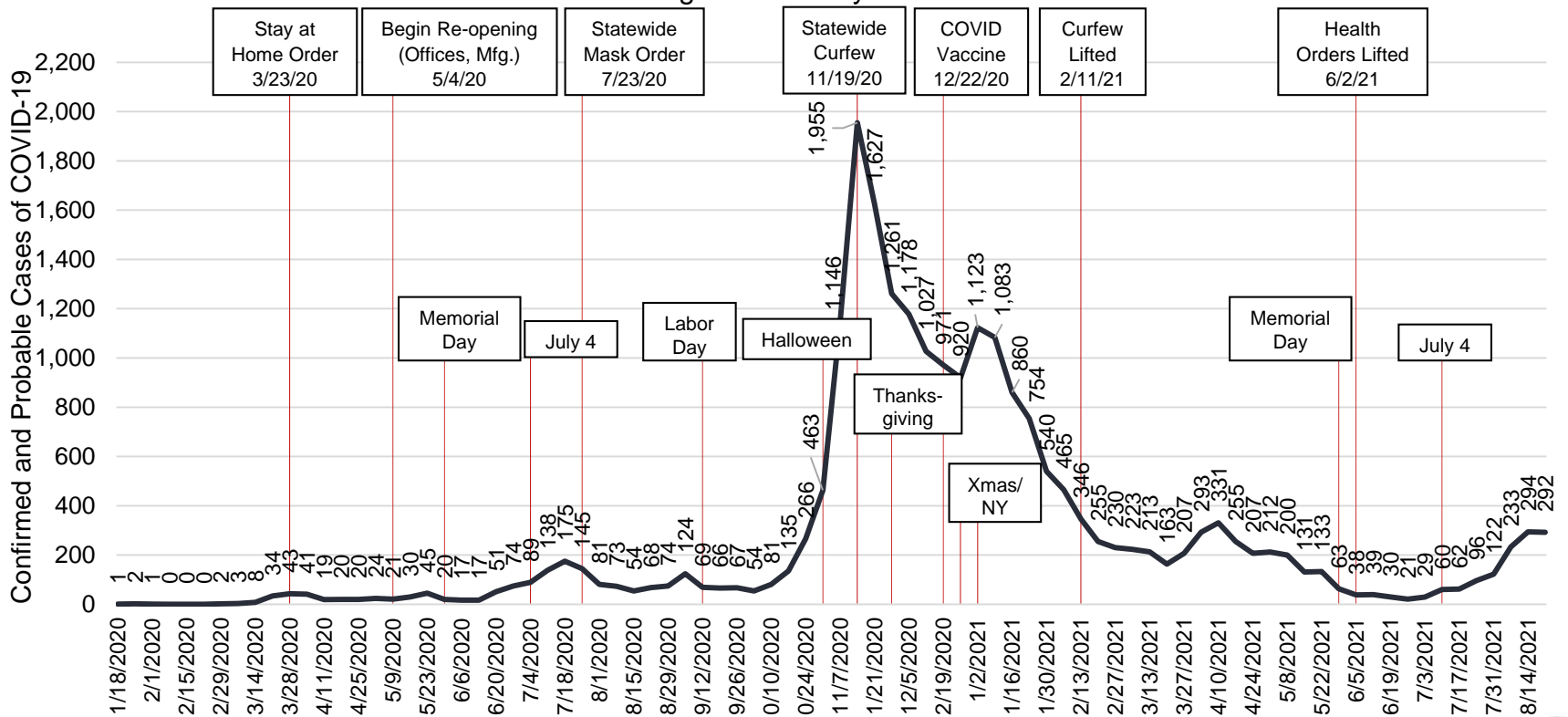
COVID-19 Hospitalizations Among Lake County Residents (Cumulative)

876
Cases
Hospitalized
(3.9% of cases)

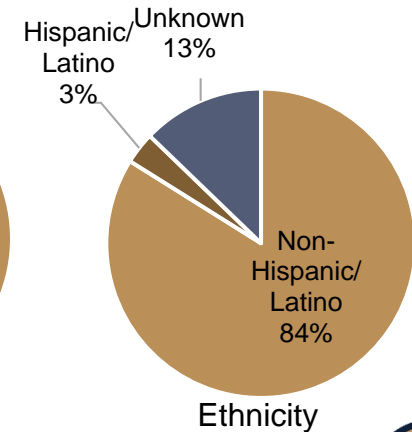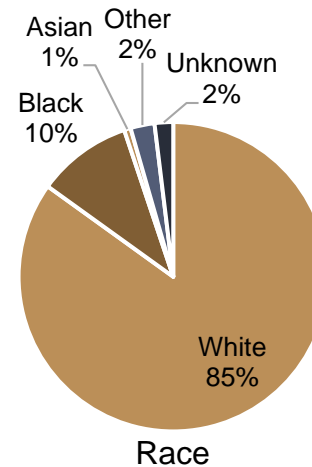Length of Stay:
1 to 38 days
Average:
6.6 Days

113
ICU
Admissions

Ages:
<1 to 104
Average:
63 Years

45% 55%

49%
Known
Pre-existing
Condition(s)

Ages of Hospitalized COVID-19 Patients

Age Group	Count
0-19	37
20-29	46
30-39	44
40-49	74
50-59	119
60-69	150
70-79	201
80+	205

Race
- Asian 1%
- Other 2%
- Unknown 2%
- Black 10%
- White 85%

Ethnicity
- Hispanic/Latino 3%
- Unknown 13%
- Non-Hispanic/Latino 84%
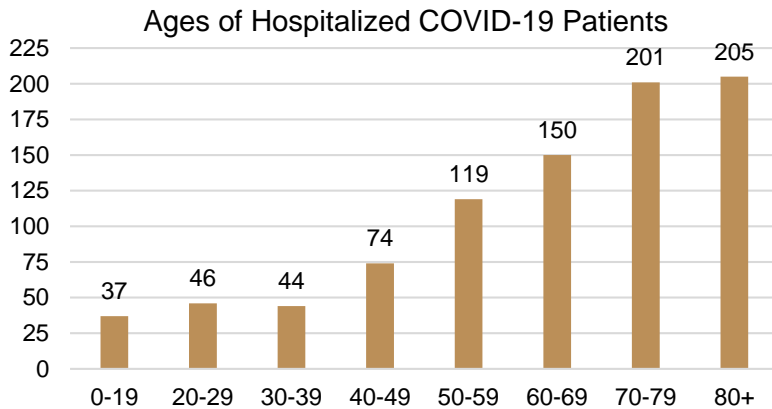
COVID-19 Deaths (Cumulative)

To date, 453 deaths have been reported among COVID-19 cases who were Lake County residents. For 33 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.
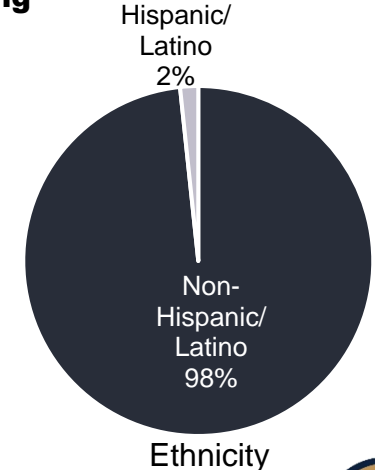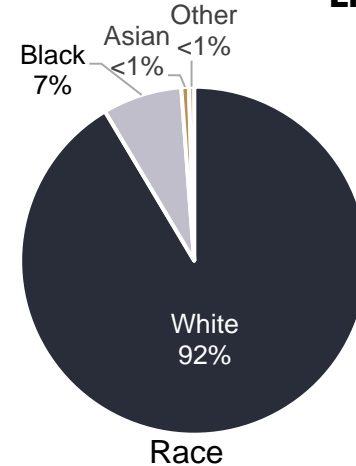
Deaths from COVID-19
420

Ages:
20 to 104
Average:
79 Years

45%   **55%**

45%
Known Pre-existing Condition(s)

35%
Resided in Congregate Living

Ages of Fatal COVID-19 Cases

Age Group	Deaths
0-19	0
20-29	1
30-39	2
40-49	13
50-59	17
60-69	57
70-79	107
80+	223

Race
- White 92%
- Black 7%
- Asian <1%
- Other <1%

Ethnicity
- Non-Hispanic/Latino 98%
- Hispanic/Latino 2%
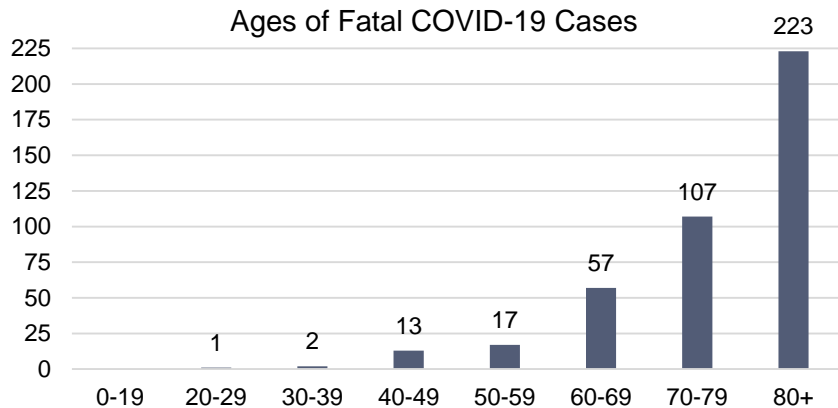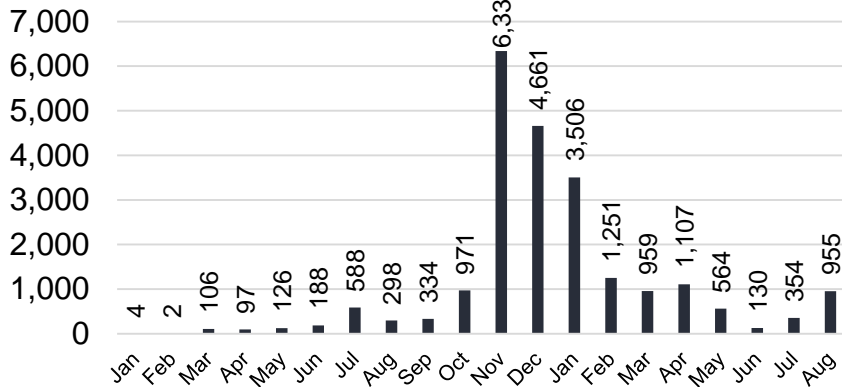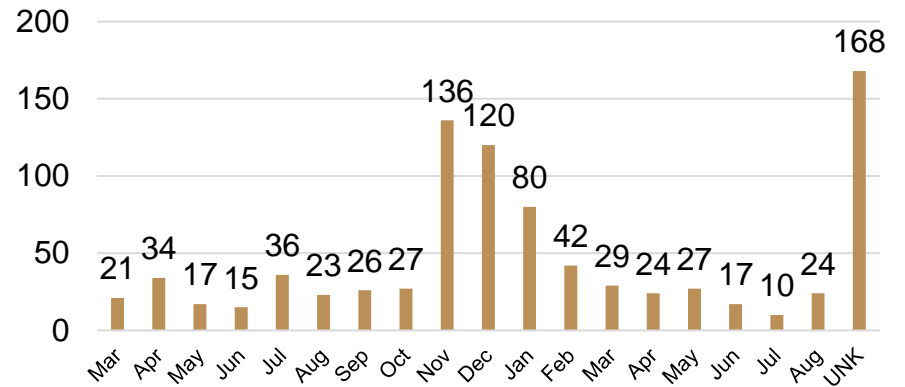
COVID-19 Measures by Month

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.
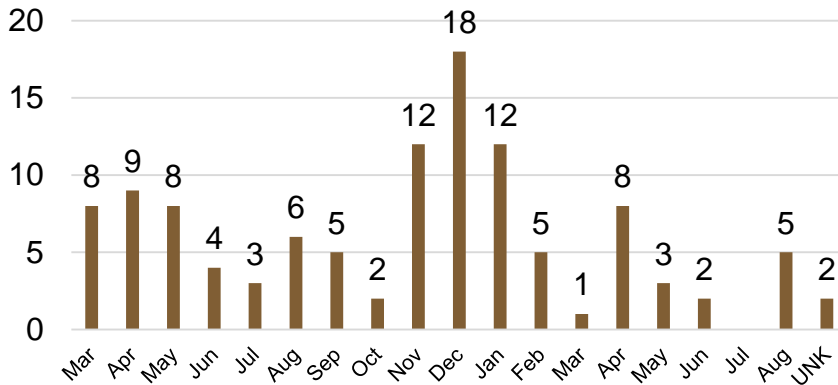
COVID-19 Cases by Month

Jan: 4
Feb: 2
Mar: 106
Apr: 97
May: 126
Jun: 188
Jul: 588
Aug: 298
Sep: 334
Oct: 971
Nov: 6,339
Dec: 4,661
Jan: 3,506
Feb: 1,251
Mar: 959
Apr: 1,107
May: 564
Jun: 130
Jul: 354
Aug: 955

COVID-19 Hospitalizations by Month

Mar: 21
Apr: 34
May: 17
Jun: 15
Jul: 36
Aug: 23
Sep: 26
Oct: 27
Nov: 136
Dec: 120
Jan: 80
Feb: 42
Mar: 29
Apr: 24
May: 27
Jun: 17
Jul: 10
Aug: 24
UNK: 168

COVID-19 ICU Admissions by Month

Mar: 8
Apr: 9
May: 8
Jun: 4
Jul: 3
Aug: 6
Sep: 5
Oct: 2
Nov: 12
Dec: 18
Jan: 12
Feb: 5
Mar: 1
Apr: 8
May: 3
Jun: 2
Jul: (0)
Aug: 5
UNK: 2

Deaths from COVID-19 by Month

Mar: 3
Apr: 5
May: 6
Jun: 3
Jul: 18
Aug: 10
Sep: 19
Oct: 8
Nov: 66
Dec: 116
Jan: 83
Feb: 32
Mar: 11
Apr: 8
May: 16
Jun: 5
Jul: 5
Aug: 6
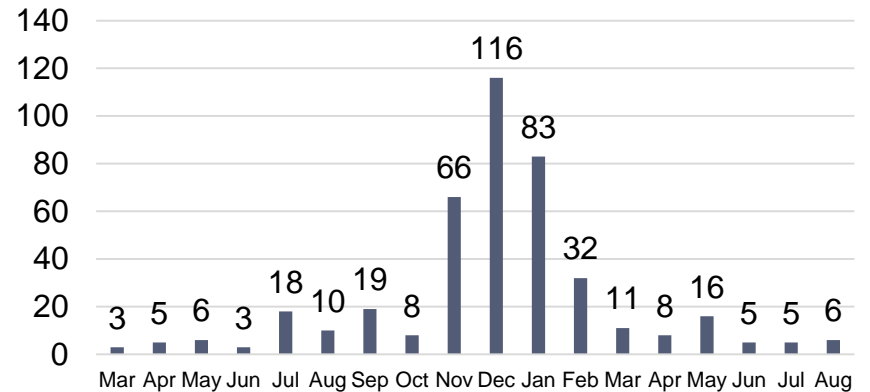
At a Glance

Reported to LCGHD Since Last Data Report Release *(classified by date reported)**			
Measure	**8/5**	**8/27**+	**Change**
Total Reported COVID-19 Cases (Cumulative)	21,622	22,540	**+918**
Laboratory Confirmed COVID-19 Cases (Cumulative)	18,808	19,614	**+806**
Probable COVID-19 Cases (Cumulative)**	2,814	2,926	**+112**
Total Reported COVID-19 Hospitalizations (Cumulative)	853	876	**+23**
Total Reported COVID-19 ICU Admissions (Cumulative)	108	113	**+5**
Total Reported Deaths from COVID-19 (Cumulative)	414	420	**+6**
Average Age of Cumulative Cases	43	43	**---**
Average Age of Cases who Died from COVID-19	79	79	**---**
August to date (*data is preliminary and subject to change as newly reported cases are investigated*)			
Total new cases in August (to date, by Event Date)			955
COVID-19 Cases Hospitalized with Known Admission Date Occurring in August (to date)			24
COVID-19 Cases Admitted to ICU with Known Hospital Admission Date Occurring in August (to date)			5
Known Deaths from COVID-19 Occurring August (to date)			6

*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: 8/26/2021

+Note, this report is being released off-cycle one week early due to date conflict for next release. Changes do not reflect a full month as usual.