COVID-19 in Lake County, Ohio: November 18, 2020

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 as of 2:00 pm the day prior to issue. The level of detail provided has been determined appropriate, given the number of cases in Lake County, to ensure the protection of sensitive individual health information. Some data are preliminary, and therefore subject to change.
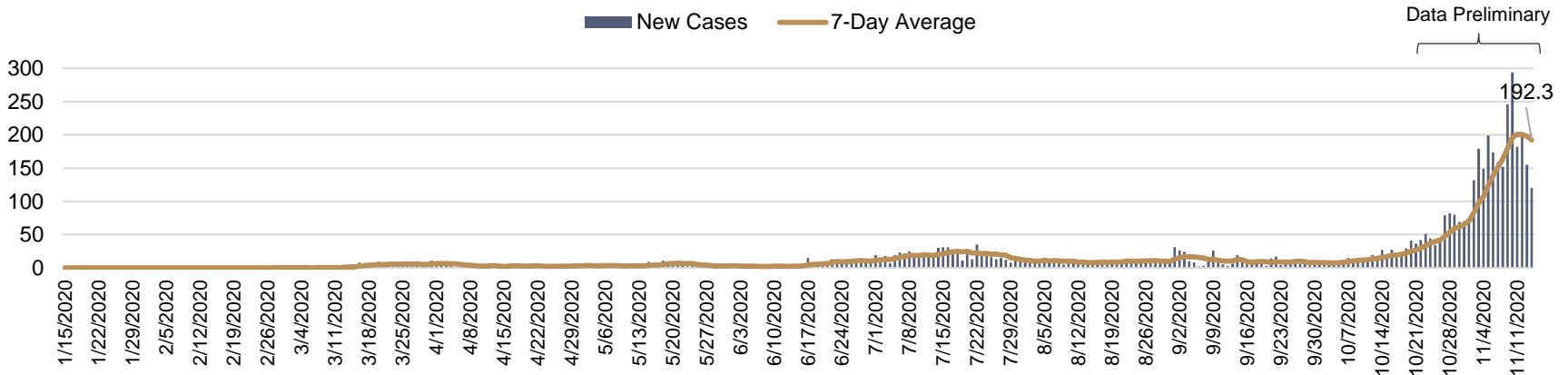
Total Cases: 5,197

Two-week Incidence Rate
per 100,000 population: **982**

Lab Confirmed Cases: 5,112

Probable Cases: 85

Antibody Positive: **16**
Non-Antibody: **69**

## New COVID-19 Cases by Event Date*

Data Preliminary

*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.
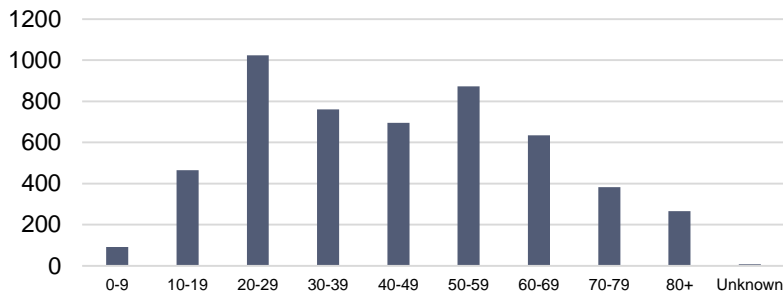
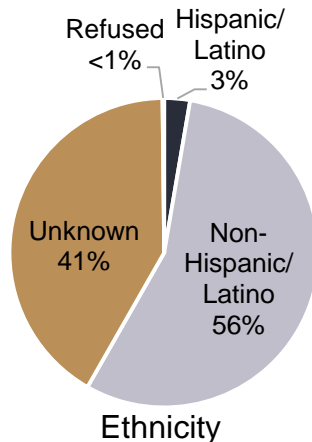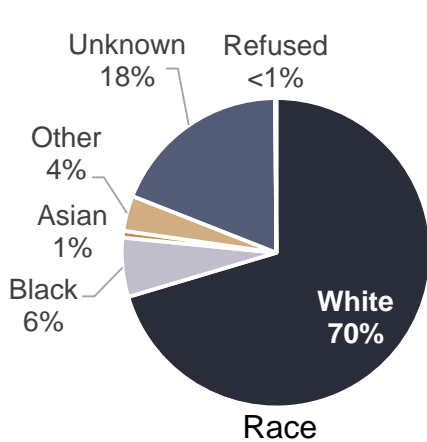## Cumulative Total COVID-19 Cases (N=5,197)

Ages:
<1 to 106
Average:
44 Years

53% **46%**
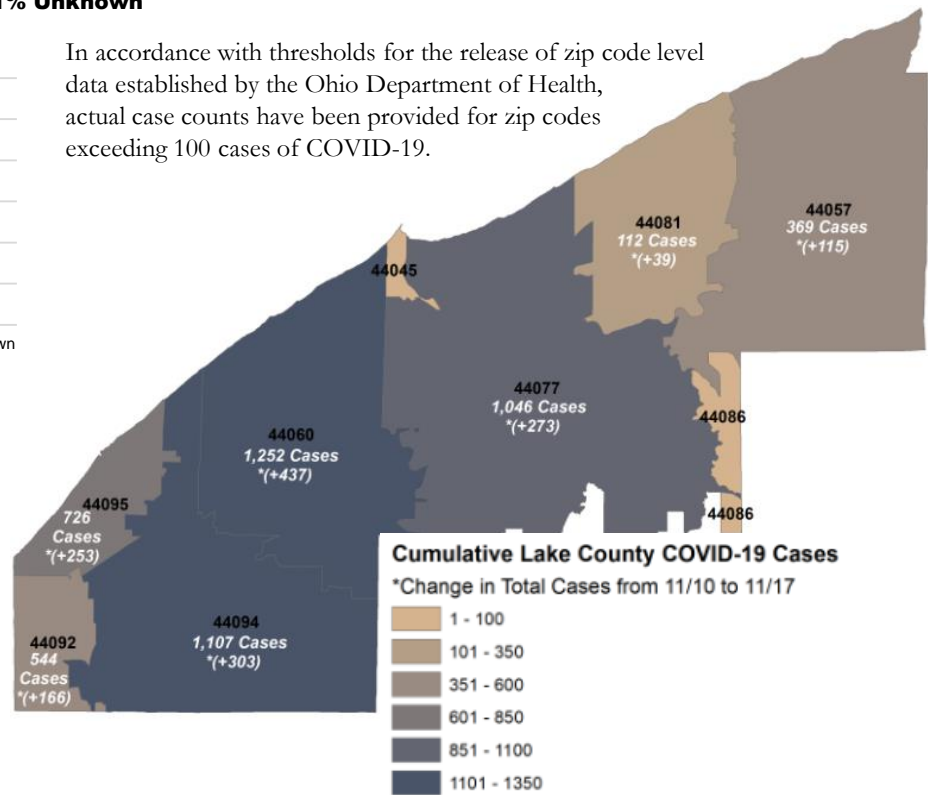
<1% Unknown
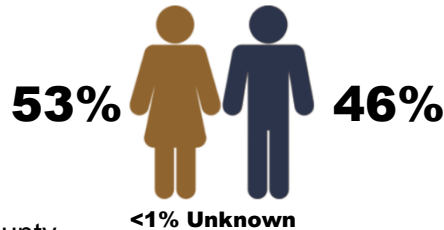
8%
Healthcare Workers

Ages of COVID-19 Cases in Lake County

In accordance with thresholds for the release of zip code level data established by the Ohio Department of Health, actual case counts have been provided for zip codes exceeding 100 cases of COVID-19.

Race

- Unknown 18%
- Refused <1%
- Other 4%
- Asian 1%
- Black 6%
- White 70%

Ethnicity

- Refused <1%
- Hispanic/Latino 3%
- Unknown 41%
- Non-Hispanic/Latino 56%

44045

44081
112 Cases
*(+39)

44057
369 Cases
*(+115)

44077
1,046 Cases
*(+273)

44086

44060
1,252 Cases
*(+437)

44095
726 Cases
*(+253)

44094
1,107 Cases
*(+303)

44092
544 Cases
*(+166)

44086

Cumulative Lake County COVID-19 Cases
*Change in Total Cases from 11/10 to 11/17

- 1 - 100
- 101 - 350
- 351 - 600
- 601 - 850
- 851 - 1100
- 1101 - 1350

Cumulative Total COVID-19 Cases (N=5,197)

Out of State Travel 2%

Int'l Travel <1%

Ohio Acquired 43%

Uncertain 54%

Exposure Geography

Other <1%

Healthcare Contact 4%

Household Contact 9%

Community Contact 7%

Travel History 1%

Unknown 79%

Exposure Source

States of Exposure:

Ohio
Arizona
California
Colorado
Florida
Georgia
Illinois
Indiana
Kentucky
Maryland
Massachusetts
Michigan
Minnesota

Mississippi
North Carolina
New Jersey
Nevada
New York
Pennsylvania
Rhode Island
South Carolina
Tennessee
Texas
Wisconsin
West Virginia

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 defi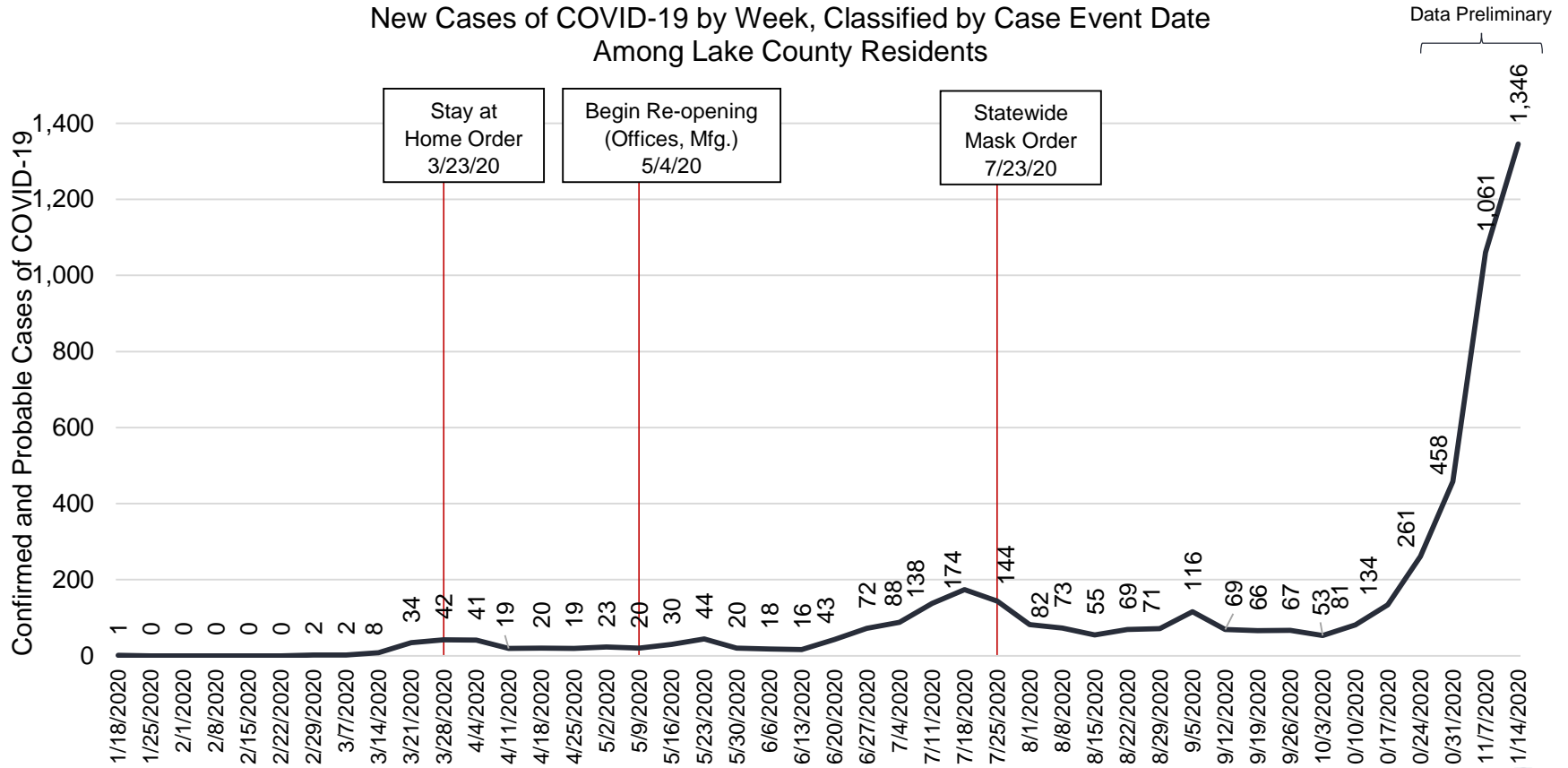nitions). For the purpose of this report, weeks run from Sunday through Saturday. Data reported for each week reflects the number of cases reported from the previous Sunday, ending on the Saturday date shown. The date reported is used because new cases are regularly reported with symptom onset dates several weeks or more in the past due to lags in testing, reporting, and case investigation. Dates for the Stay at Home Order, state reopening, and mask order are added for reference.

New Cases of COVID-19 Reported by Week
Among Lake County Residents
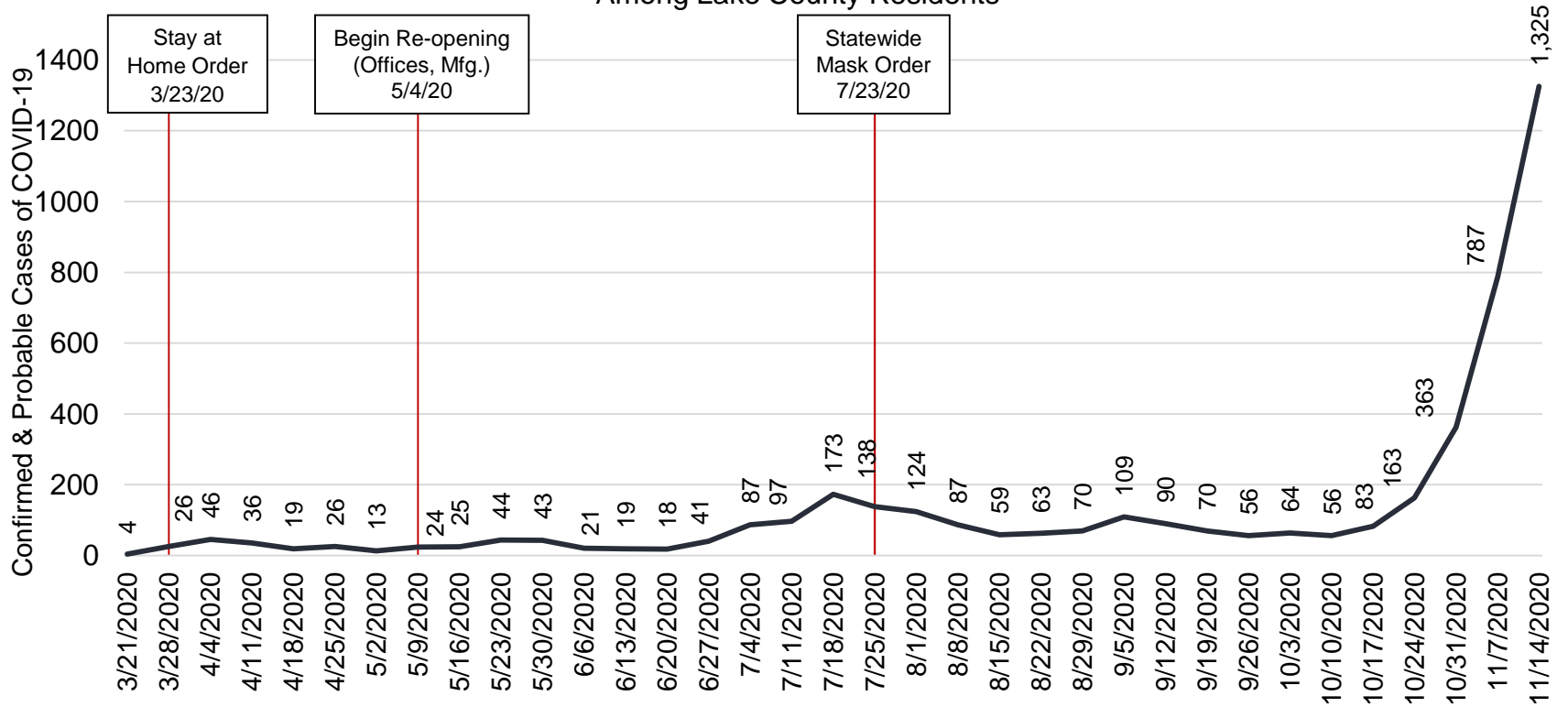
Stay at Home Order 3/23/20

Begin Re-opening (Offices, Mfg.) 5/4/20

Statewide Mask Order 7/23/20

Data values by week: 4, 26, 46, 36, 19, 26, 13, 24, 25, 44, 43, 21, 19, 18, 41, 87, 97, 173, 138, 124, 87, 59, 63, 70, 109, 90, 70, 56, 64, 56, 83, 163, 363, 787, 1,325

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 the Stay at Home, reopening, and mask orders are added for reference.

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

Data Preliminary

Order	Date
Stay at Home Order	3/23/20
Begin Re-opening (Offices, Mfg.)	5/4/20
Statewide Mask Order	7/23/20

Y-axis: Confirmed and Probable Cases of COVID-19 (0, 200, 400, 600, 800, 1,000, 1,200, 1,400)

Data values by week:
1/18/2020: 1
1/25/2020: 0
2/1/2020: 0
2/8/2020: 0
2/15/2020: 0
2/22/2020: 0
2/29/2020: 2
3/7/2020: 2
3/14/2020: 8
3/21/2020: 34
3/28/2020: 42
4/4/2020: 41
4/11/2020: 19
4/18/2020: 20
4/25/2020: 19
5/2/2020: 23
5/9/2020: 20
5/16/2020: 30
5/23/2020: 44
5/30/2020: 20
6/6/2020: 18
6/13/2020: 16
6/20/2020: 43
6/27/2020: 72
7/4/2020: 88
7/11/2020: 138
7/18/2020: 174
7/25/2020: 144
8/1/2020: 82
8/8/2020: 73
8/15/2020: 55
8/22/2020: 69
8/29/2020: 71
9/5/2020: 116
9/12/2020: 69
9/19/2020: 66
9/26/2020: 67
10/3/2020: 53
10/10/2020: 81
10/17/2020: 134
10/24/2020: 261
10/31/2020: 458
11/7/2020: 1,061
11/14/2020: 1,346

COVID-19 Hospitalizations Among Lake County Residents (Cumulative)

276
Cases
Hospitalized
(~5% of cases)
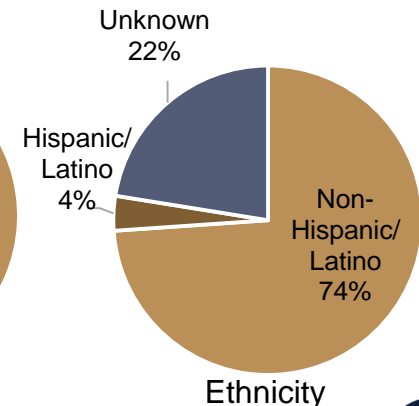
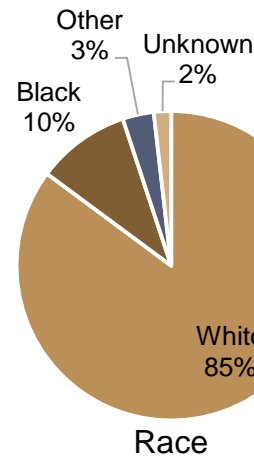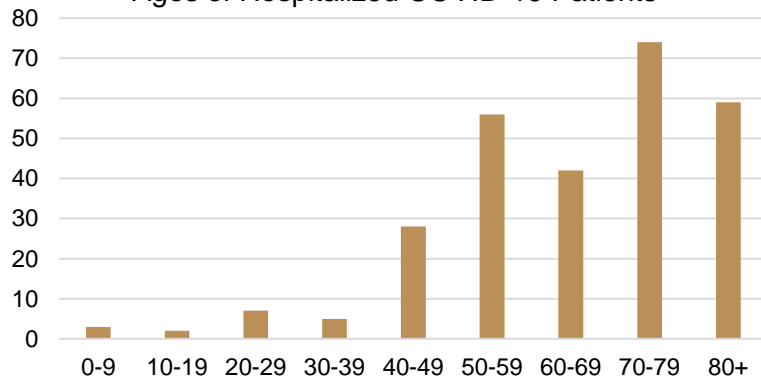Length of Stay:
1 to 38 days
Average:
7.1 Days

47
ICU
Admissions

Ages:
<1 to 98
Average:
66 Years

47%　**53%**

64%
Known
Pre-existing
Condition(s)

Ages of Hospitalized COVID-19 Patients

Age group	Count
0-9	3
10-19	2
20-29	7
30-39	5
40-49	28
50-59	56
60-69	42
70-79	74
80+	59

Race
- Other 3%
- Unknown 2%
- Black 10%
- White 85%

Ethnicity
- Unknown 22%
- Hispanic/Latino 4%
- Non-Hispanic/Latino 74%

COVID-19 Deaths (Cumulative)

To date, 82 deaths have been reported among COVID-19 cases who were Lake County residents. The subset reported below have 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 meet the criteria, commonly referred to as "deaths with COVID-19," are excluded from reported statistics.

Deaths from COVID-19
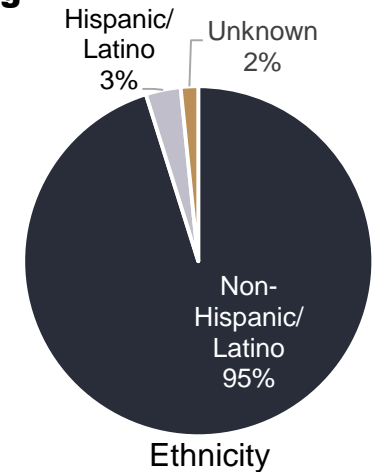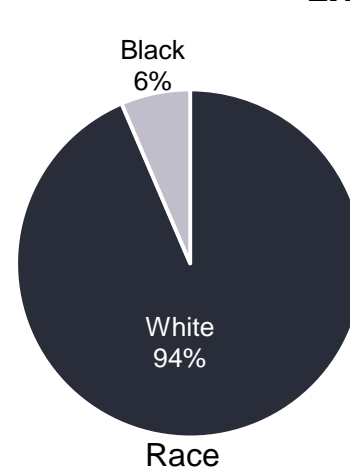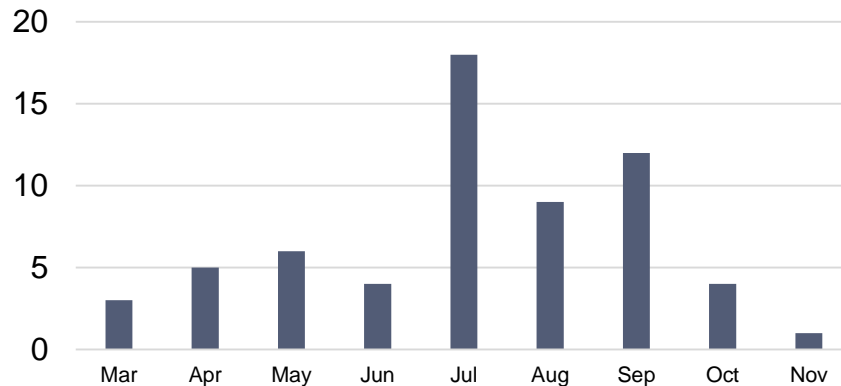**62**

Ages:
43 to 101
Average:
82 Years

47% 53%

89%
Known Pre-existing Condition(s)

63%
Resided in Congregate Living

Deaths from COVID-19 by Month

Month	Deaths
Mar	3
Apr	5
May	6
Jun	4
Jul	18
Aug	9
Sep	12
Oct	4
Nov	1

Race
- Black 6%
- White 94%

Ethnicity
- Hispanic/Latino 3%
- Unknown 2%
- Non-Hispanic/Latino 95%

At a Glance

Reported to LCGHD Since Last Data Report Release *(classified by date reported)**			
Measure	11/10	11/17	Change
Total Reported COVID-19 Cases (Cumulative)	3,599	5,197	+1,598
Total Reported COVID-19 Hospitalizations (Cumulative)	242	276	+34
Total Reported COVID-19 ICU Admissions (Cumulative)	46	47	+1
Total Reported Deaths from COVID-19 (Cumulative)	61	62	+1
Average Age of Cumulative Cases	44	44	---
Average Age of Cases who Died from COVID-19	82	82	---

November to Date (*data is preliminary and subject to change as newly reported cases are investigated*)	
Cases with Verified Symptom Onset Date Occurring in November**	440**
COVID-19 Cases Hospitalized with Known Admission Date Occurring in November	61
COVID-19 Cases Admitted to ICU with Known Hospital Admission Date Occurring in November	2
Known Deaths from COVID-19 Occurring in November	1

*Note this refers to cumulative total reported in each Wednesday Report, by date reported.
**Note this number lags until onset date is able to be verified by case interview. "Onset Date" in ODH CSV file actually refers to "Event Date," which is filled with date a test specimen was collected until onset date is verified by case.

Lake County General Health District

Public Health
Prevent. Promote. Protect.

REV: 11/17/2020