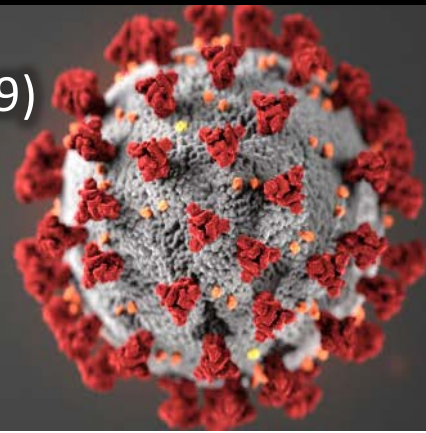# Coronavirus Disease 2019 (COVID-19)

Union County Health Department

Epidemiological Update

December 9, 2020

Community Cases	2,360
Confirmed Cases	2,091
Probable Cases	269
Case Rate[1]	4,516 cases/100,000 residents
Median Age (Years)	41
Average Age (Years)	41.3
Minimum Age (Years)	<1
Maximum Age (Years)	98
Range of Illness Onset Dates	January 13, 2020 –December 8, 2020
Incarcerated Cases	328

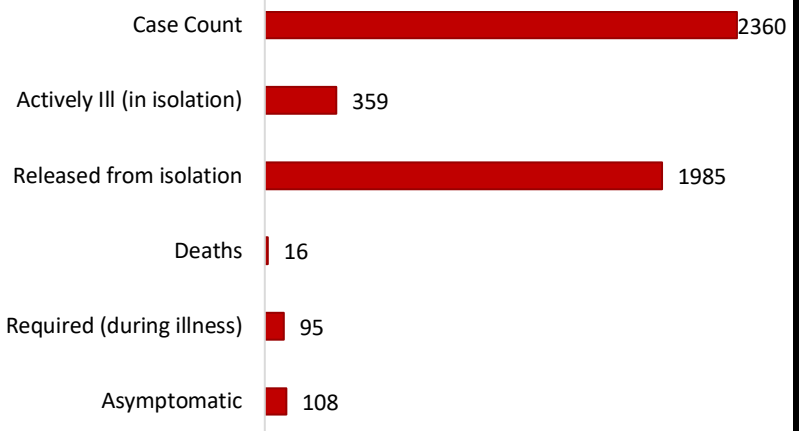[1]The case rate is defined as the number of COVID-19 cases divided by the Union County population reported in the 2010 U.S. Census

Sex of Cases[1]:

52.9%   47.1%

[1]This information does not include incarcerated cases

Health Status of Cases[1]:

| Category	Value
Case Count	2360
Actively Ill (in isolation)	359
Released from isolation	1985
Deaths	16
Hospitalization Required (during illness)	95
Asymptomatic	108

[1]This information does not include incarcerated cases

This data was collected at 5:00 PM on 12/9/2020

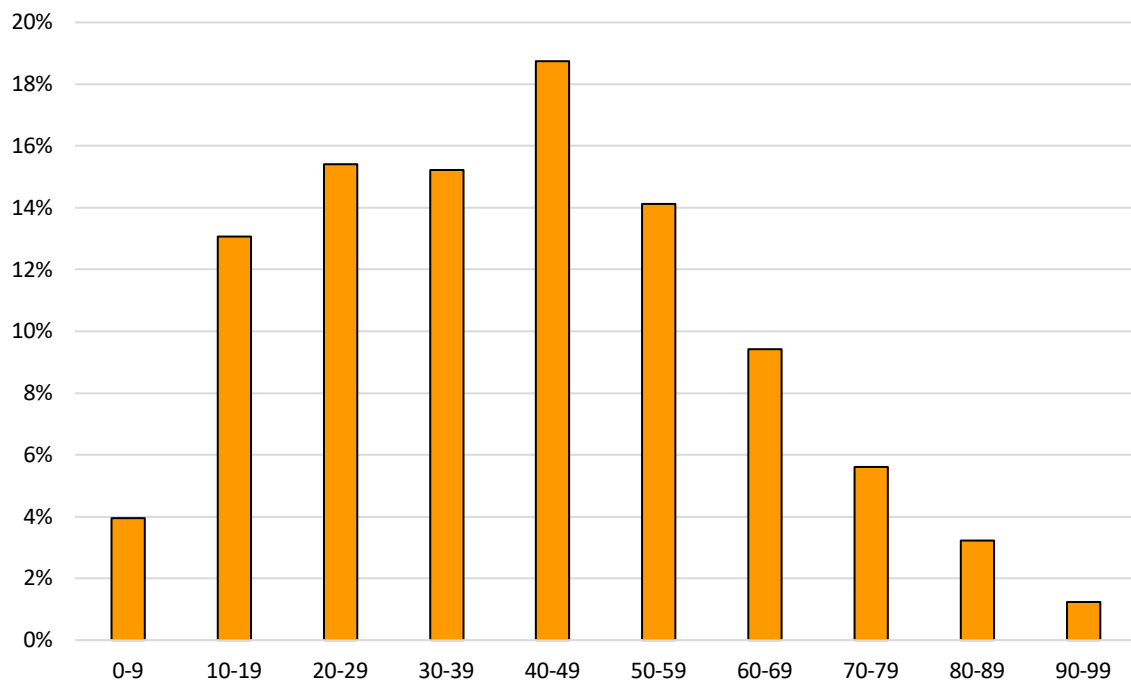## Severity of Illness Among COVID-19 Cases Reported in Union County

Severe[3]
1%

Asymptomatic
5%

Moderate[2]
3%

Mild[1]
91%
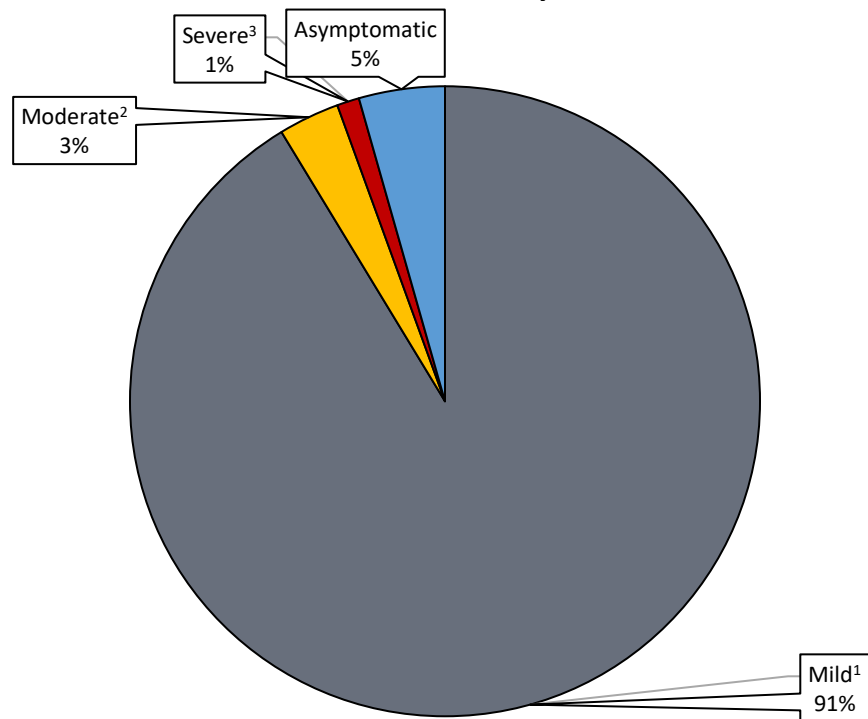
[1]Mild illness includes those who were able to recover at home
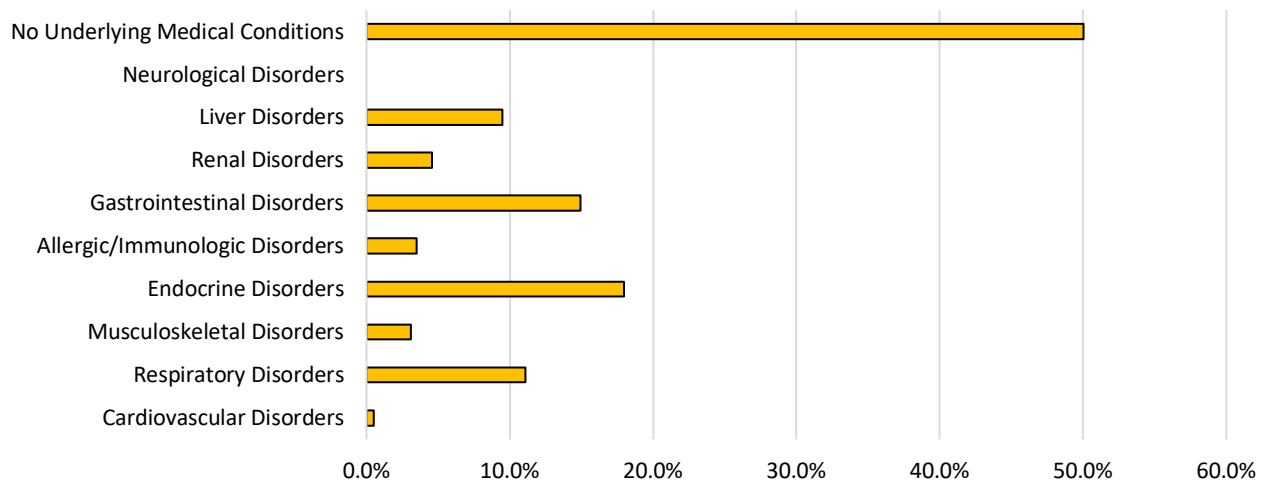[2]Moderate illness includes cases who required hospitalization
[3]Severe illness includes cases who were hospitalized in intensive care, were intubated, or died as a result of their illness

Percentage of Union County COVID-19 Cases by Age Group

Age Group	Percentage
0-9	4%
10-19	13%
20-29	15.4%
30-39	15.2%
40-49	18.8%
50-59	14.1%
60-69	9.4%
70-79	5.6%
80-89	3.2%
90-99	1.3%

This data was collected at 5:00 PM on 12/9/2020

Underlying Health Conditions of Union County COVID-19 Cases

No Underlying Medical Conditions
Neurological Disorders
Liver Disorders
Renal Disorders
Gastrointestinal Disorders
Allergic/Immunologic Disorders
Endocrine Disorders
Musculoskeletal Disorders
Respiratory Disorders
Cardiovascular Disorders

0.0%   10.0%   20.0%   30.0%   40.0%   50.0%   60.0%

Neurological Disorders include Parkinson's disease, epilepsy, and narcolepsy
Liver Disorders include hepatitis
Renal Disorders include kidney reflux
Gastrointestinal Disorders include irritable bowel syndrome
Endocrine Disorders include diabetes, hypothyroidism, PCOS, Addison's Disease, and being obese or overweight
Musculoskeletal Disorders include arthritis and fibromyalgia
Respiratory Disorders include chronic lung disease (Asthma/Emphysema/COPD/Bronchitis) and being a former or current smoker
Cardiovascular Disorders include atrial fibrillation, hypertension, and sleep apnea

Union County COVID-19 Case Exposures

Occupational[1]
1%

Travel[3]
1%

Outbreak[4]
9%

Contact of Known Case
25%

Community Acquired[2]
64%
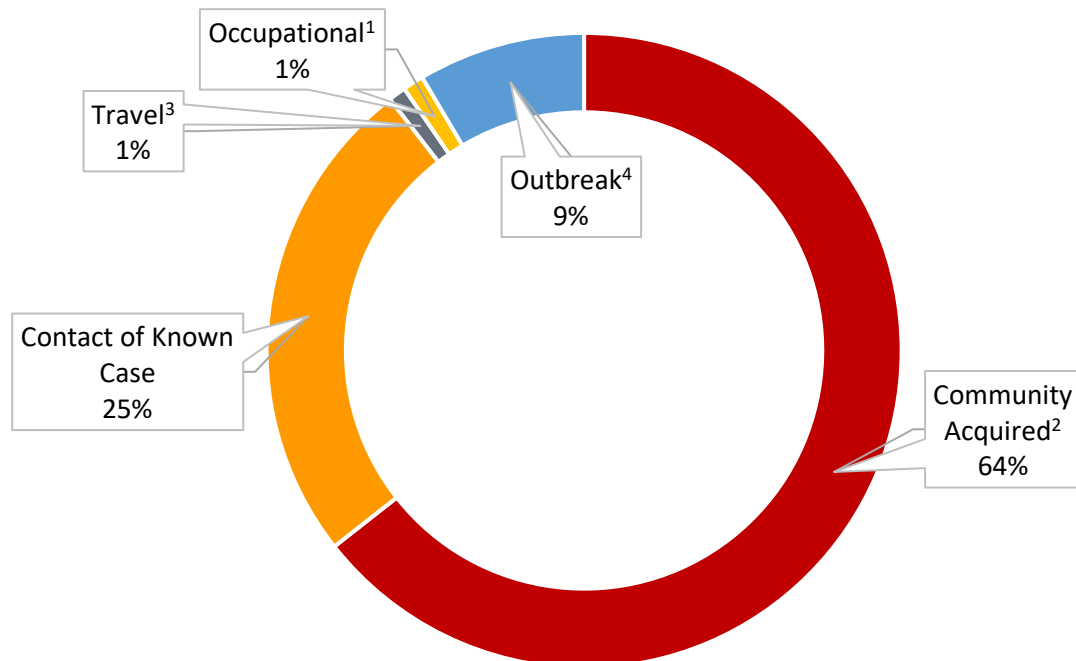
[1]Occupational exposures include those working in the following settings: health care, first responder, prison

[2]Community acquired denotes unknown source of exposure

[3]Travel associated exposures include those acquired while visiting areas experiencing sustained community spread

[4]Oubreak denotes cases associated with an identified outbreak cluster

This data was collected at 5:00 PM on 12/9/2020

Epidemiological Curve of Confirmed and Probable COVID-19 Cases[1] in Union County's Community[2] by Week of Illness Onset Date
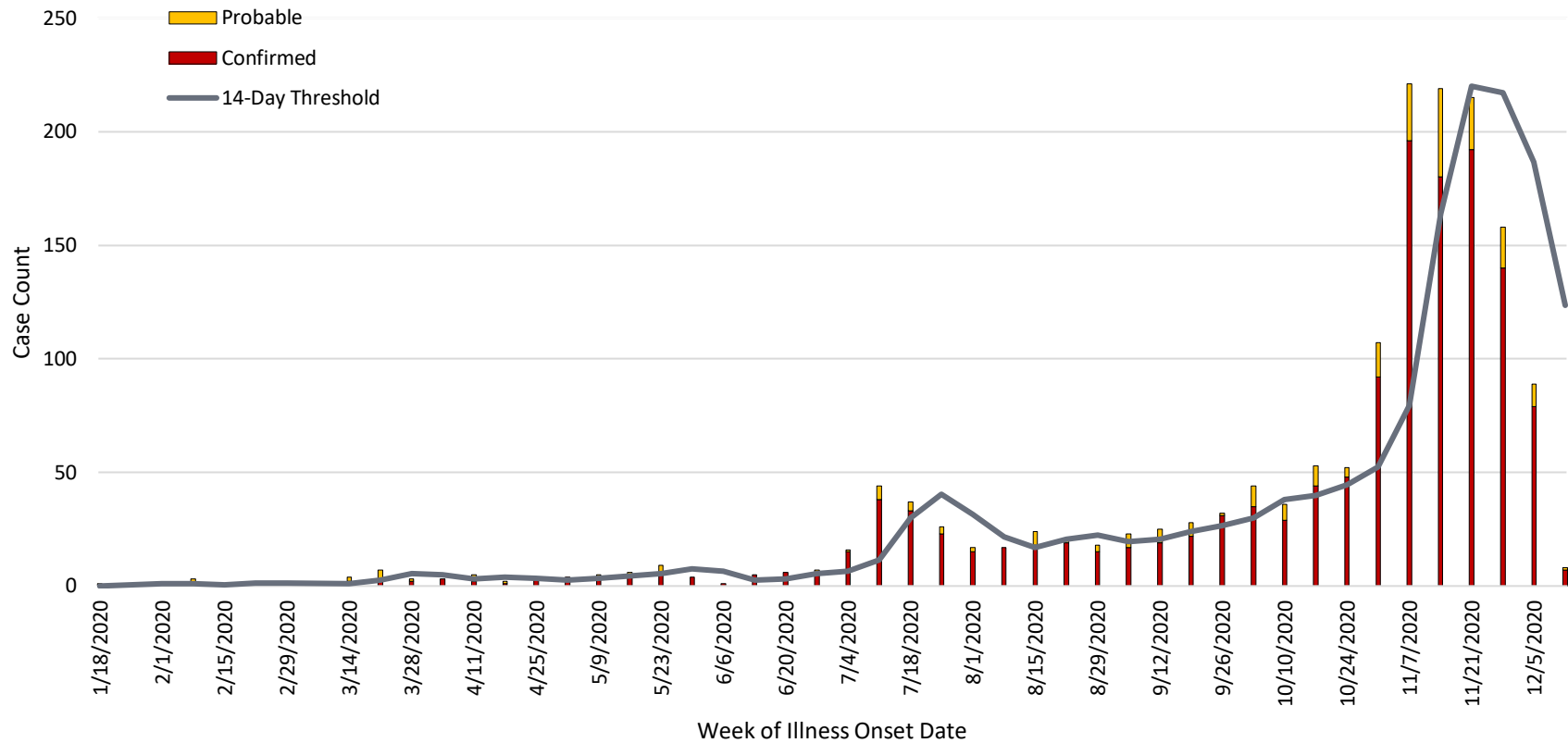
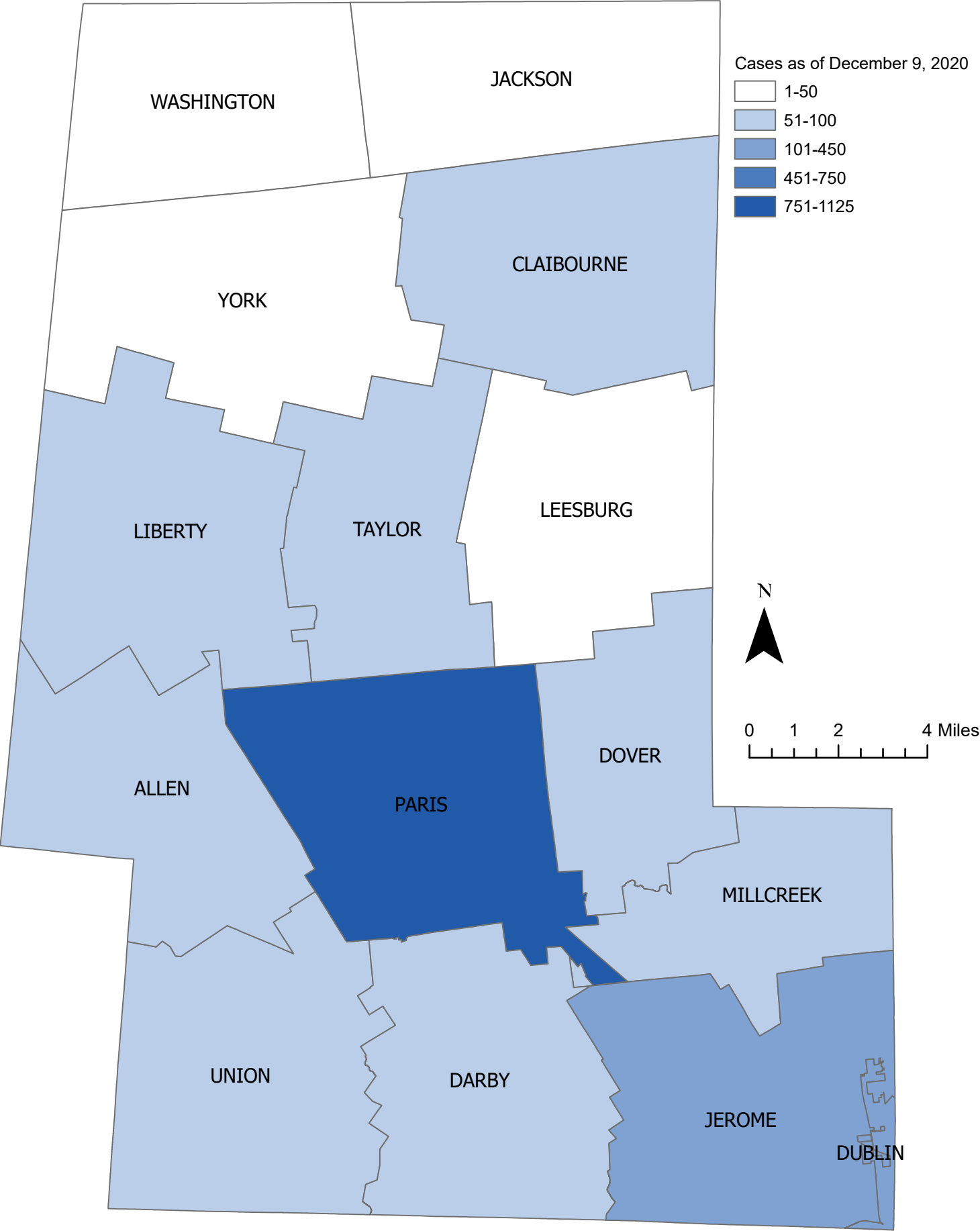[1]Cases for whom an illness onset date is not available are not illustrated. This may be due to the case not yet being interviewed or the case testing positive without experiencing any symptoms.
[2]This graph does not include illness onset dates on incarcerated cases
[3]14-day average is the average number of cases with illness onset occurring in the previous two-week period

This data was collected at 5:00 PM on 12/9/2020

Union County Cumulative COVID-19 Cases by Township of Residence

WASHINGTON

JACKSON

CLAIBOURNE

YORK

LIBERTY

TAYLOR

LEESBURG

ALLEN

PARIS

DOVER

MILLCREEK

UNION

DARBY

JEROME

DUBLIN

Cases as of December 9, 2020

- 1-50
- 51-100
- 101-450
- 451-750
- 751-1125

N

0 1 2 4 Miles

Union County Cumulative COVID-19 Cases by School District

Cases by School District
Cases as of December 1, 2020

- 1-100
- 101-200
- 201-300
- 301-700
- 701-1,250

*The case counts represented are only Union County residents. Cases that live in other counties may contribute to the school districts overall numbers.

**Map depicts COVID-19 cases among Union County residents by the geographic boundary of each school district. It is NOT the cumulative case count for students/staff of a school district.

N

0   1   2   4 Miles

NORTH UNION LSD

BENJAMIN LOGAN LSD

BENJAMIN LOGAN LSD

MARYSVILLE EVSD

TRIAD LSD

BUCKEYE VALLEY LSD

FAIRBANKS LSD

DUBLIN CSD

JONATHAN ALDER LSD

HILLIARD CSD

To be released from isolation a person must meet the following criteria:

1. Be fever free for at least 24 hours without the use of medicine that reduces fevers
    -AND-
2. Have improvement of symptoms (for example, cough or shortness of breath have improved)
    -AND-
3. At least 10 days have passed symptoms first began

For more information please visit: https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/end-home-isolation.html

Case Definitions:

Probable: includes the following:
- Individuals experiencing symptoms of COVID-19 who have either traveled to an area experiencing community spread or who are a contact of a laboratory confirmed case
    -OR-
- Individuals with a positive antigen result via a test authorized by an FDA under an emergency use authorization

Confirmed: individuals with laboratory confirmation of COVID-19, which is detection of SARS-CoV-2 RNA in a clinical or autopsy specimen using a molecular amplification detection test

For more information please visit: https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/interim-20-id-01_covid-19.pdf

Recovered: individuals who are no longer experiencing symptoms or have had improvement of symptoms and who have been released from isolation

UNION COUNTY HEALTH DEPARTMENT

This data was collected at 5:00 PM on 12/9/2020