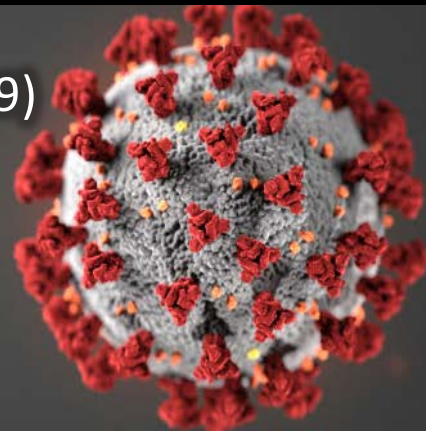# Coronavirus Disease 2019 (COVID-19)

Union County Health Department

Epidemiological Update

February 18, 2021

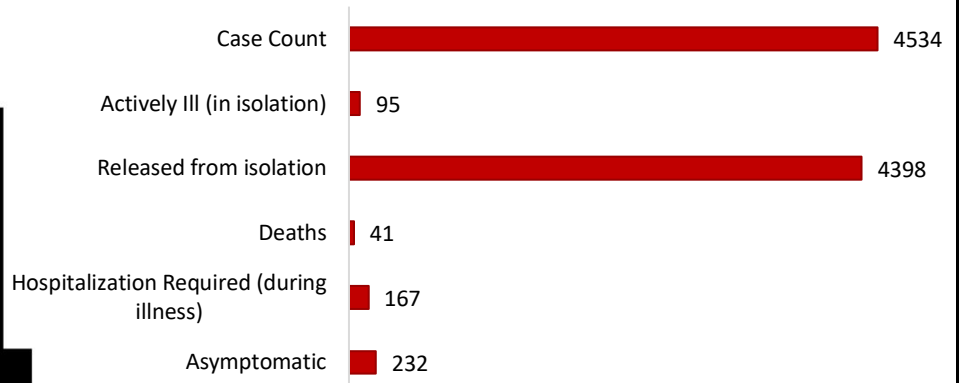| Community Cases	4,534
Confirmed Cases	3,653
Probable Cases	881
Case Rate[1]	8,669 cases/100,000 residents
Median Age (Years)	41
Average Age (Years)	41.8
Minimum Age (Years)	<1
Maximum Age (Years)	98
Range of Illness Onset Dates	January 13, 2020 –February 14, 2021
Incarcerated Cases	416

[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]:

Case Count	4534
Actively Ill (in isolation)	95
Released from isolation	4398
Deaths	41
Hospitalization Required (during illness)	167
Asymptomatic	232

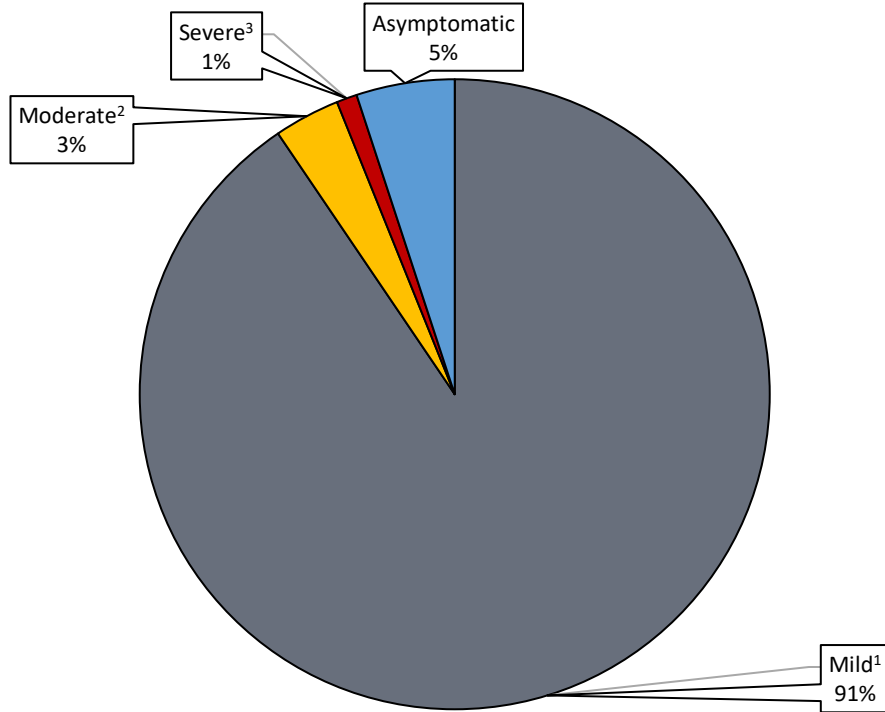[1]This information does not include incarcerated cases

This data was collected at 10:00 PM on 2/18/2021

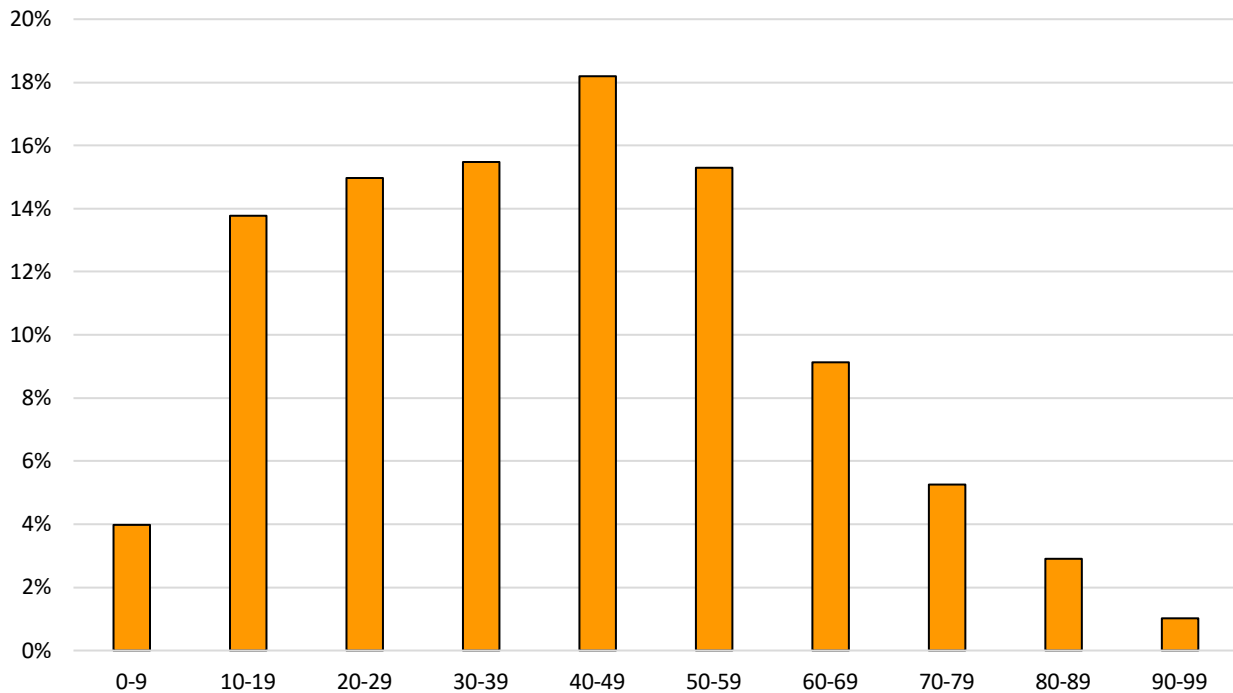## Severity of Illness Among COVID-19 Cases Reported in Union County

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	~14%
20-29	15%
30-39	~15.5%
40-49	~18%
50-59	~15%
60-69	~9%
70-79	~5%
80-89	~3%
90-99	~1%

This data was collected at 10:00 PM on 2/18/2021

Underlying Health Conditions of Union County COVID-19 Cases

Condition	Percentage
No Underlying Medical Conditions	~44%
Neurological/Psychological Disorders	~6%
Liver Disorders	~0.5%
Renal Disorders	~2%
Gastrointestinal Disorders	~2.5%
Allergic/Immunologic Disorders	~4%
Endocrine Disorders	~9%
Musculoskeletal Disorders	~3%
Respiratory Disorders	~22%
Cardiovascular Disorders	~13%

(Horizontal axis: 0.0%, 5.0%, 10.0%, 15.0%, 20.0%, 25.0%, 30.0%, 35.0%, 40.0%, 45.0%, 50.0%)
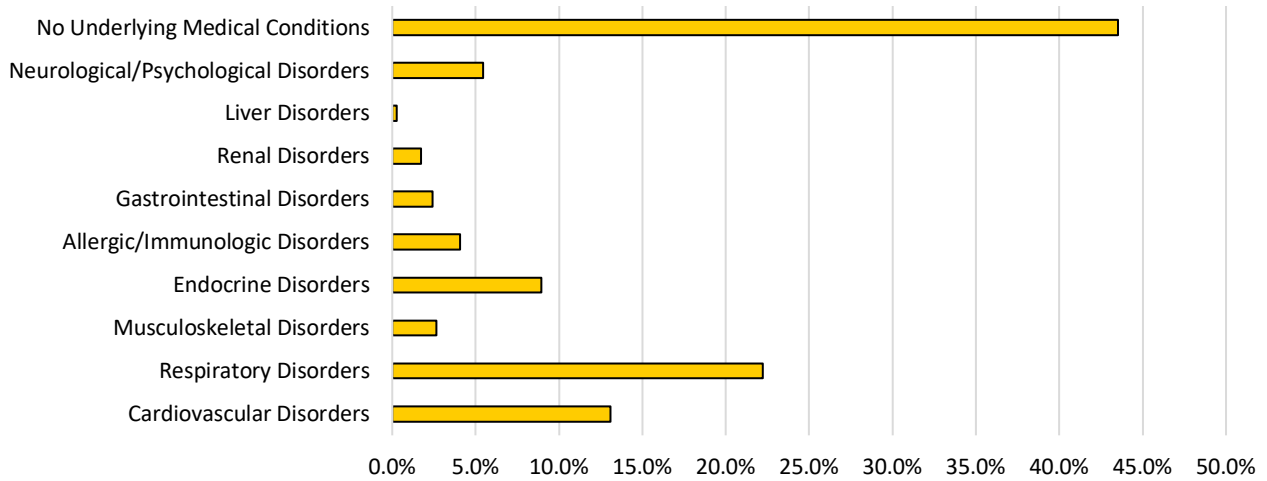
Neurological/Psychology Disorders include Parkinson's disease, epilepsy, Alzheimer's disease, dementia, ADHD, narcolepsy, stroke, depression, and anxiety
Liver Disorders include hepatitis
Renal Disorders include kidney reflux and kidney disease
Gastrointestinal Disorders include irritable bowel syndrome, Chron's disease, reflux
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, heart disease, and sleep apnea

Union County COVID-19 Case Exposures

- Outbreak 7%
- Occupational 1%
- Travel 1%
- Contact of Known Case 31%
- Community Acquired 60%
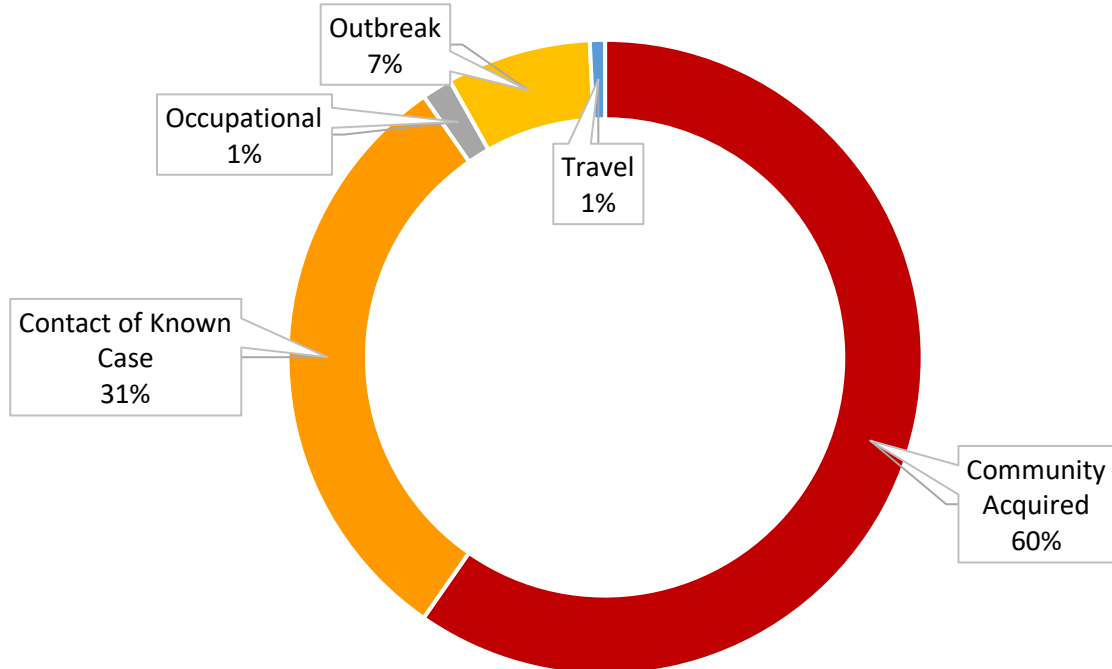
[1]Occupational exposures include those working in the following settings: health care, first responder, prison

[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 10:00 PM on 2/18/2021

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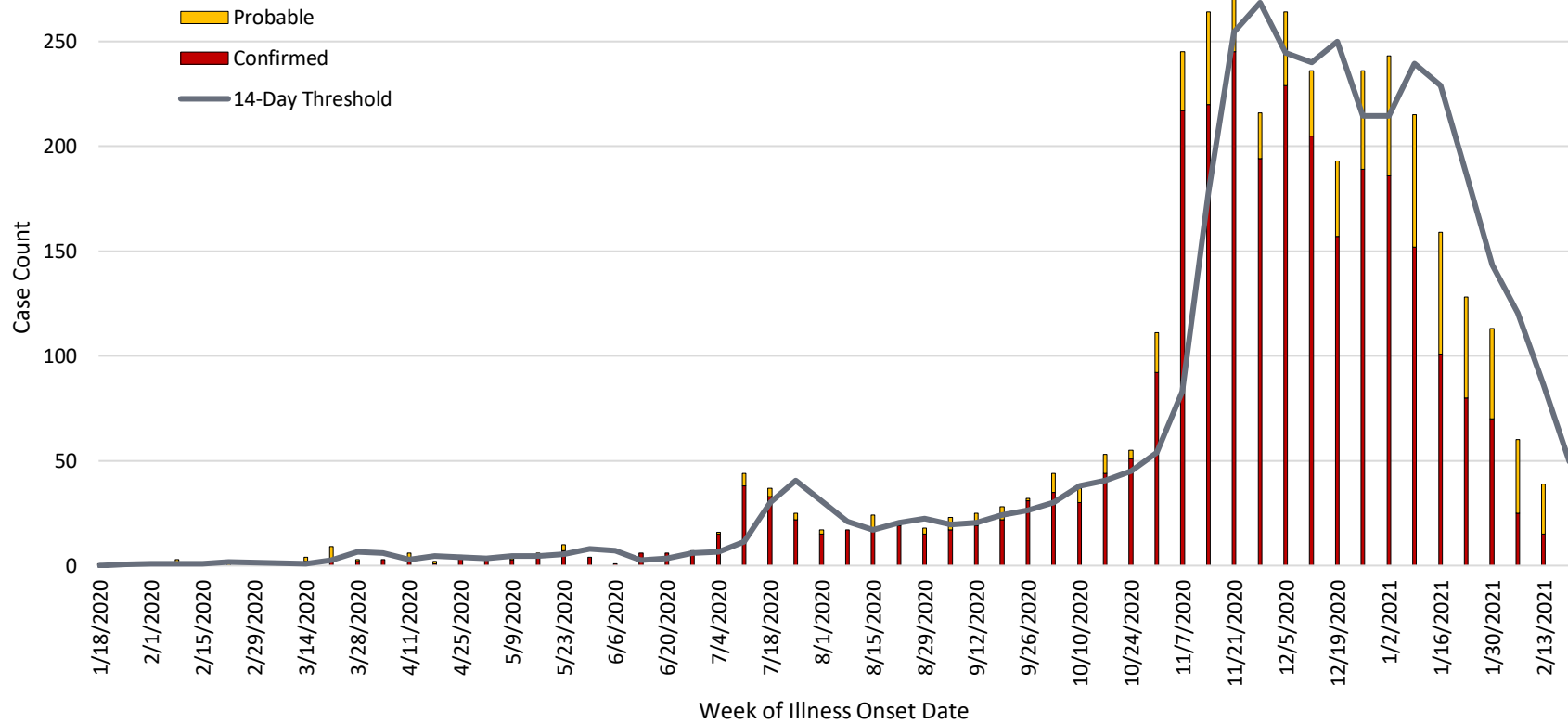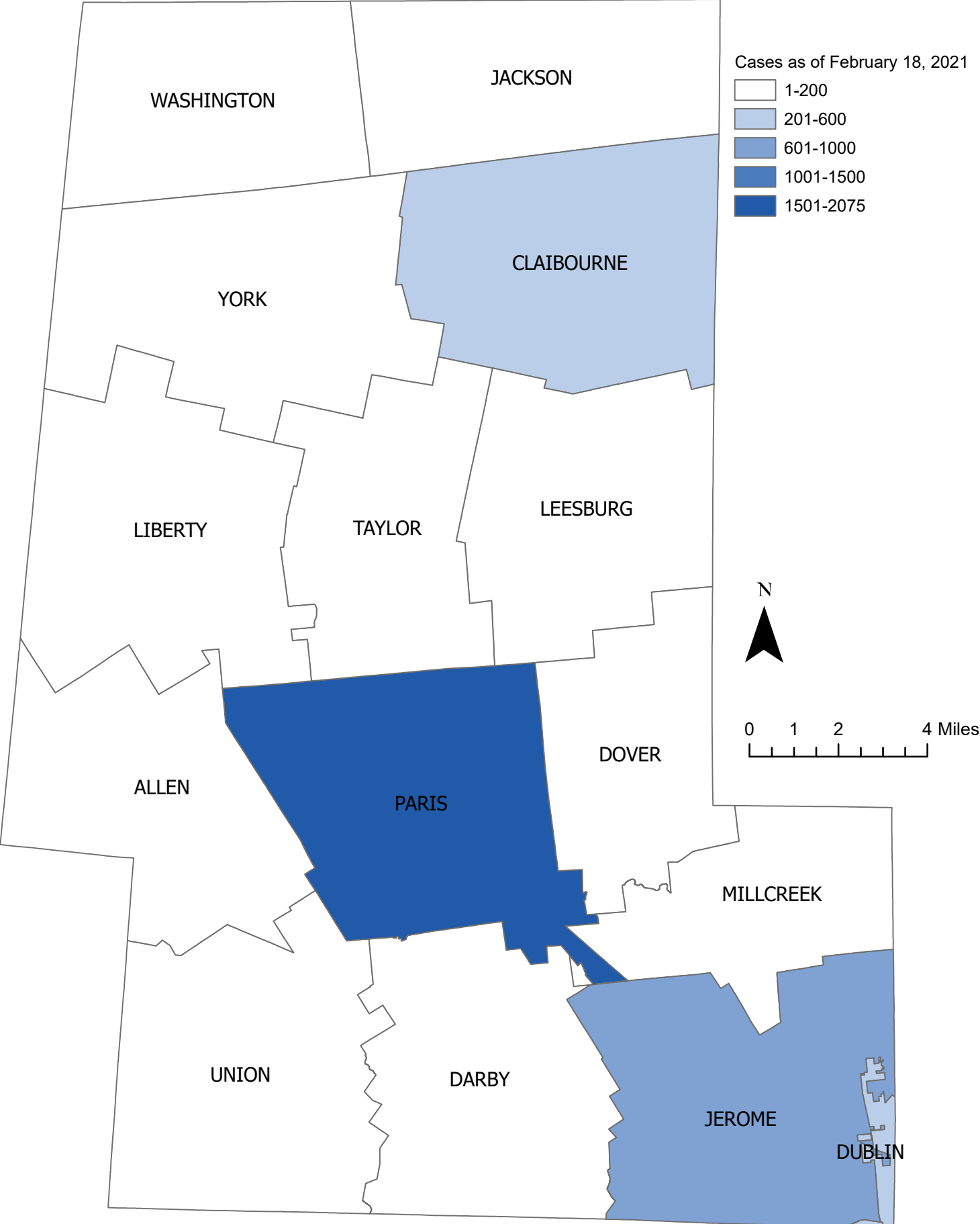
[1]Cases for whom an illness onset date is not available are not illustrated. This may be due to the case not yet being interviewed or the case testing positive without experiencing any symptoms.
[2]This graph does not include illness onset dates on incarcerated cases
[3]14-day average is the average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

This data was collected at 10:00 PM on 2/18/2021

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 February 18, 2021

- 1-200
- 201-600
- 601-1000
- 1001-1500
- 1501-2075

N

0   1   2   4 Miles

Union County Cumulative COVID-19 Cases by School District

Cases by School District

Cases as of February 18, 2021

- 1-300
- 301-600
- 601-1300
- 1301-2000
- 2001-2750

*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

MARYSVILLE
EVSD

BENJAMIN
LOGAN
LSD

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

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