Milwaukee County COVID-19 Data Summary

Milwaukee County COVID-19 Epidemiology Intel Team

This report was updated on September 30, 2021 and includes data through September 28, 2021. Note that case and testing data for recent weeks may be under-reported due to pending test results. Hospitalizations overall are thought to be an undercount. Deaths may lag by several days due to a process of death review and confirmation.

Milwaukee County COVID-19 Summary Statistics

Overall Milwaukee County COVID-19 Summary Statistics March 5, 2020 - September 28, 2021			
	Milwaukee County	**City of Milwaukee**	**Suburbs**
Total tests performed	1,769,653	1,114,565	655,088
Percent positive of all tests performed	8.1%	8.3%	7.8%
Number of confirmed cases	128,163	82,901	45,262
Number of hospitalizations	8,372	5,524	2,848
Number of deaths	1,504	829	675
Case fatality rate	1.2%	1.0%	1.5%

| Weekly Milwaukee County COVID-19 Summary Statistics September 22, 2021 - September 28, 2021			
	Milwaukee County	**City of Milwaukee**	**Suburbs**
Total tests performed	27,200	16,847	10,353
Percent positive of all tests performed	7.6%	8.6%	6.0%
Number of confirmed cases	1,388	1,001	387
Number of hospitalizations*	295	204	91
Number of deaths	16	12	4

*Total patients hospitalized for COVID-19 with specimen collection date within the last 30 days

Total Cases and New Cases

There are now a total of 128,163 cases in Milwaukee County, since the first confirmed case on March 6th, 2020. Over the last week, we observed 1,388 new confirmed cases in Milwaukee County, including 1,001 new cases in the city of Milwaukee. **Figure 1** shows the daily incidence of new cases (bars) and the average daily incidence within the last 7 days (line), which provides a smoothing effect to enhance visualization, for both the city and the county. To indicate a potential reporting delay, we shade the last seven days of data and exclude those days from the trend line.

Over the last week, we have seen a pleateau in confirmed cases in the county. The highest daily case count since the beginning of the epidemic occurred on November 9, 2020, with 1,687 cases in the county overall. The highest daily case count over the entire epidemic in the suburbs occurred on November 9, 2020, with a total of 685 cases confirmed. The highest case count in the city occurred on November 9, 2020, with a total of 1,002 cases confirmed.

Figure 1: Milwaukee County daily number of COVID-19 cases
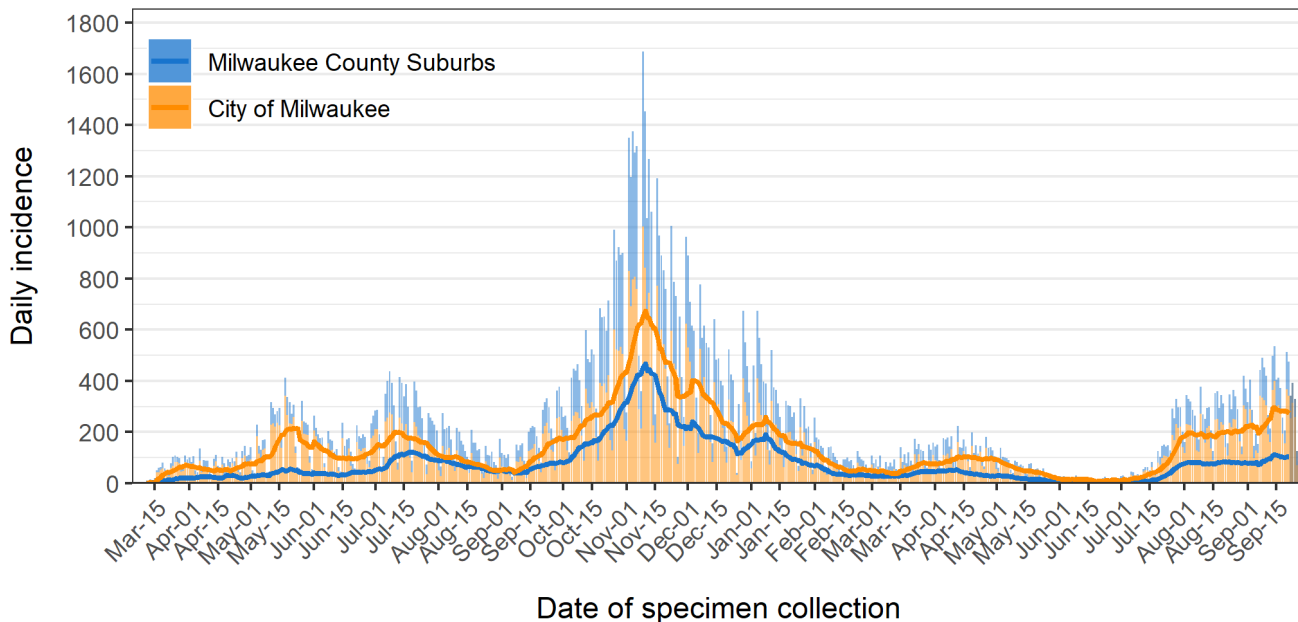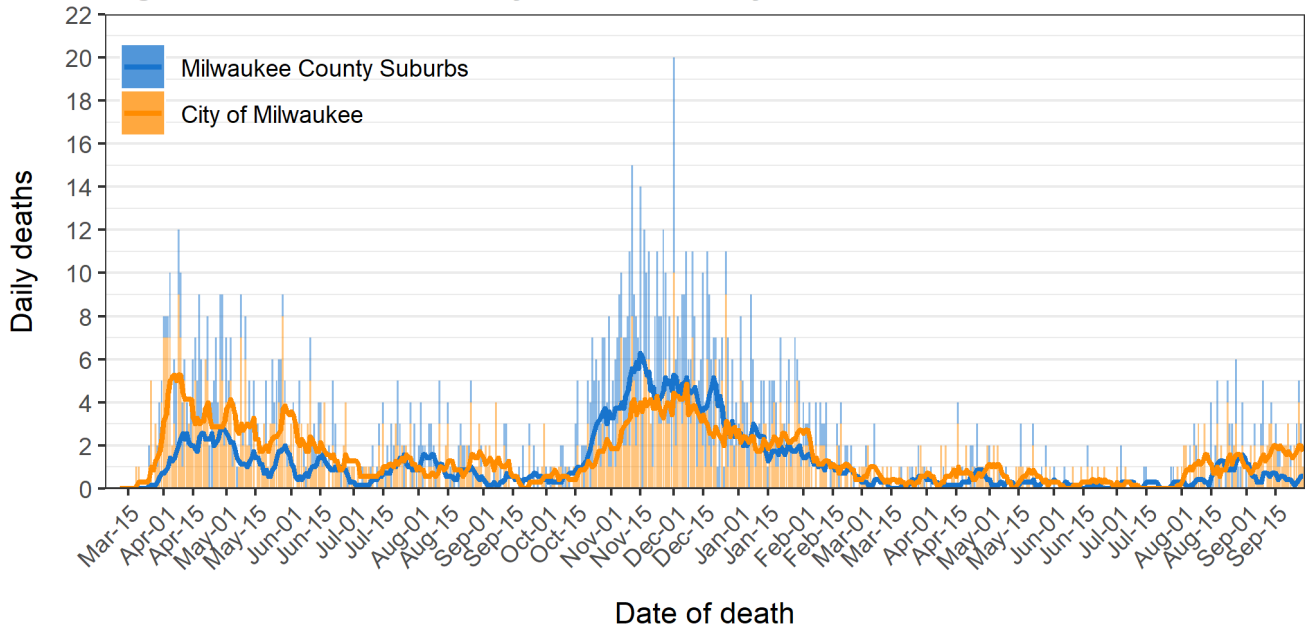

Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team

Total Deaths and New Deaths

There are a total of 1,504 COVID-19 related deaths in Milwaukee County. Over the last week, we observed 16 deaths, with 12 from the City of Milwaukee. **Figure 2** shows the number of daily COVID-19 related deaths among Milwaukee County and City of Milwaukee residents. The overlaid lines show the average daily deaths within the last 7 days for each jurisdiction. Deaths in the county peaked on December 1, 2020. Deaths in the city peaked on December 1, 2020 with 10 deaths, and in the suburbs on November 15, 2020 with 10 deaths.

Figure 2: Milwaukee County COVID-19 daily deaths
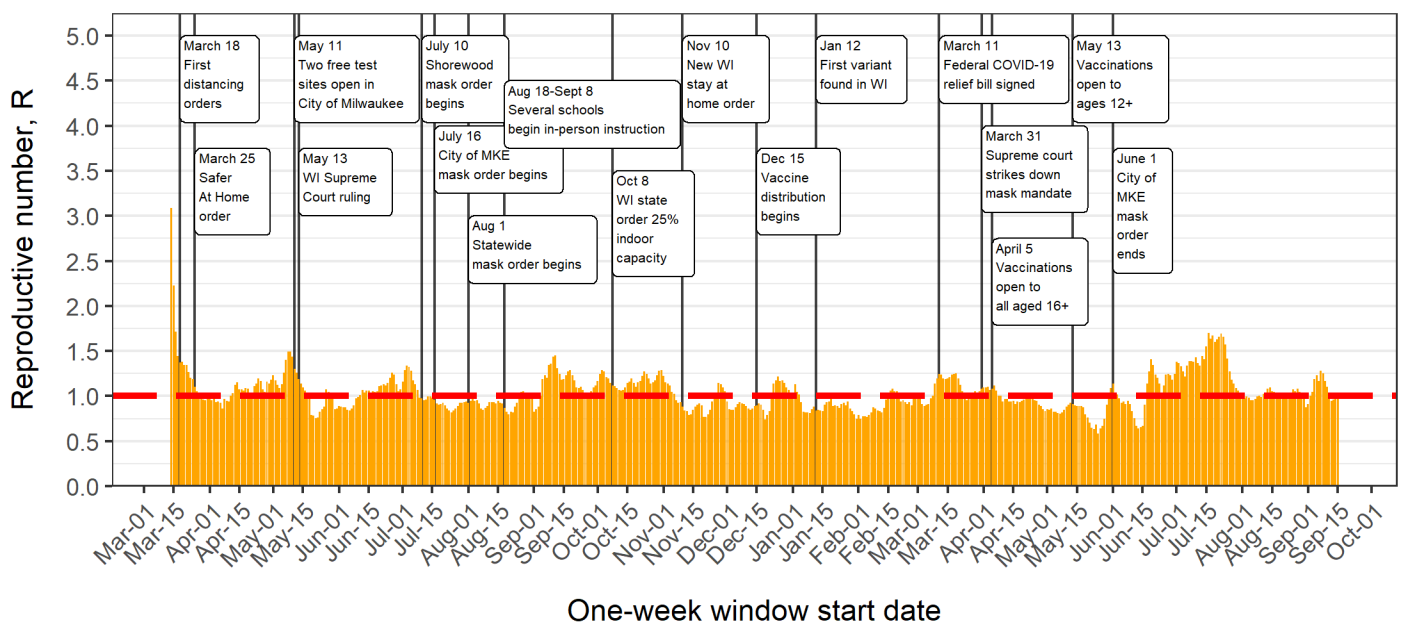

Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team

The COVID-19 Reproductive Number

Another way of examining the growth rate of the infection is to examine the reproductive number (R). This number captures the number of new cases that are the result of an existing case. For example, an R of 2 would indicate that each infected person infects 2 new people. The following plots show the change in R over time for Milwaukee County, **Figure 3**, the City of Milwaukee, **Figure 4a**, and Milwaukee County suburbs, **Figure 4b**. Each plot includes key dates related to physical distancing or focused testing campaigns affecting residents. The R for each date is calculated to represent the R for a 7-day period with the start day of that 7-day period represented on the graph. We do not report estimates for the most recent seven days due to a potential data reporting delay. The highest R values observed over the course of the epidemic were 3.08 in the county, 3.37 in the city, and 2.36 in the suburbs, at the beginning of the epidemic in March 2020. The R value fluctuated around 1 since then, until mid-June with the most recent surge in cases thought to be driven by the Delta variant.

Patterns in the City of Milwaukee are very similar to those in the county overall. Patterns in the suburbs show more fluctuation. The R values for the week of September 15, 2021 through September 21, 2021 are 0.975 for the county, 0.970 in the city, and 0.991 in the suburbs.

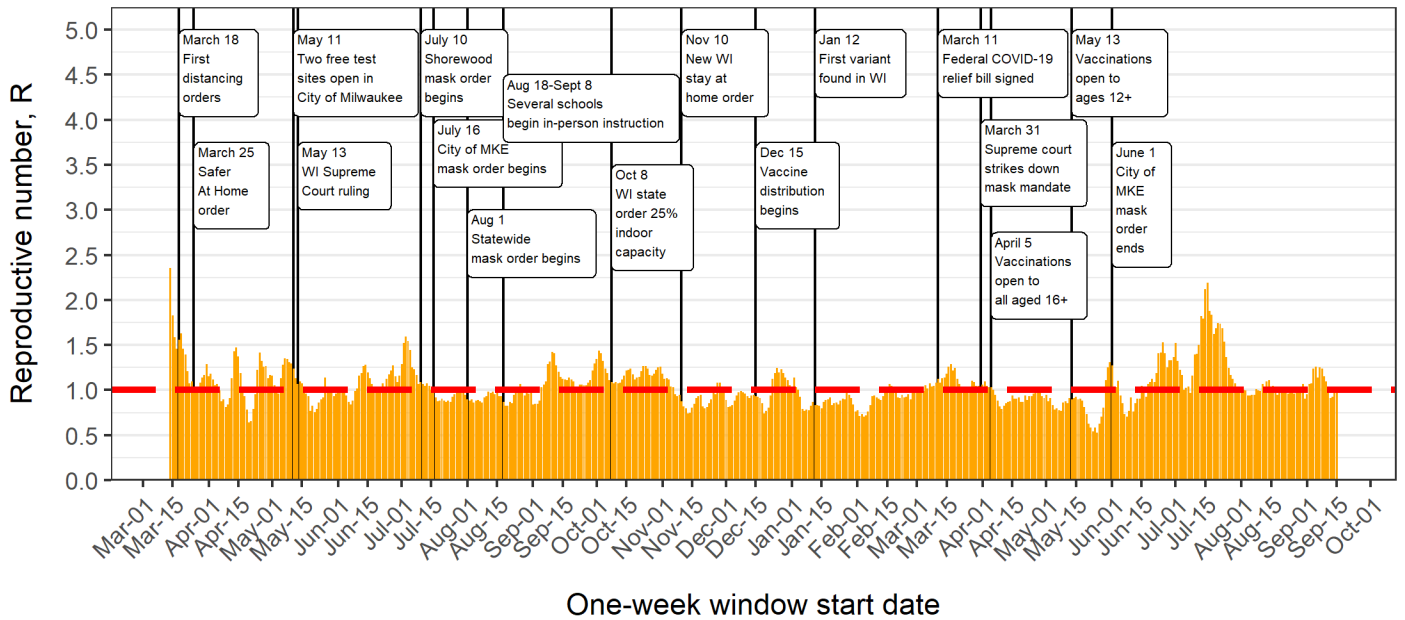**Figure 3: One week reproductive number for Milwaukee County**

Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team

Figure 4a: One week reproductive number for City of Milwaukee
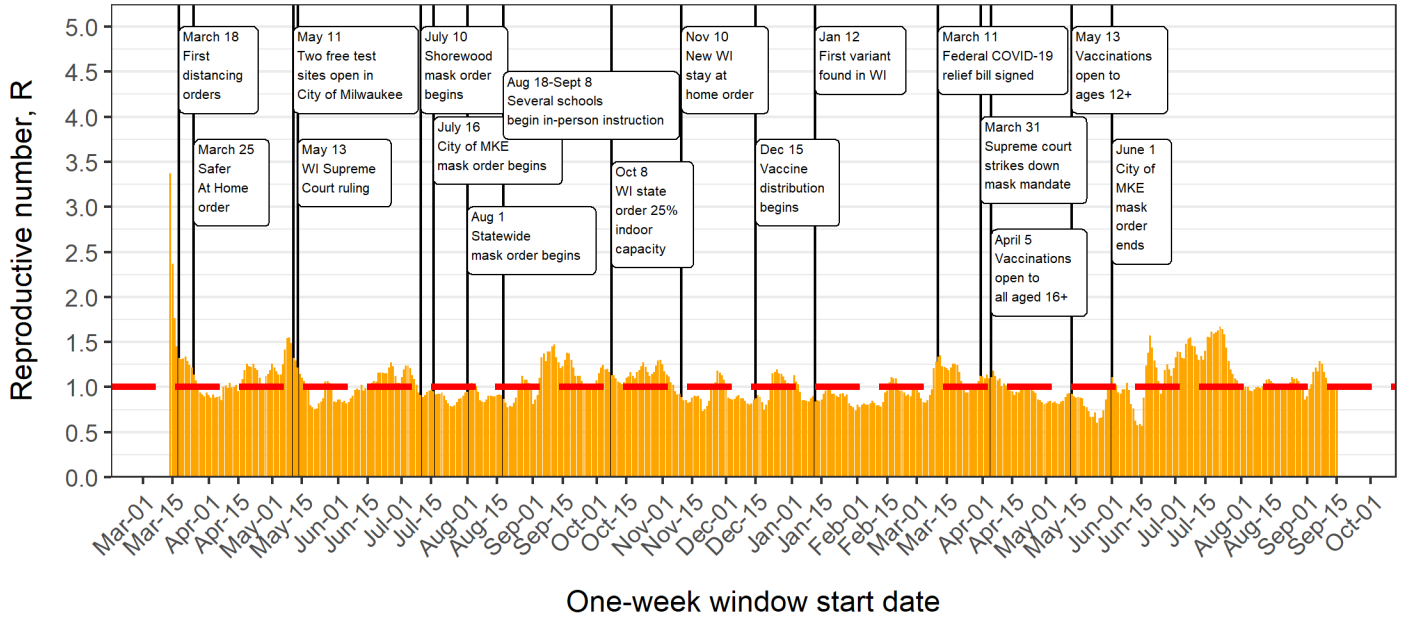
Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team

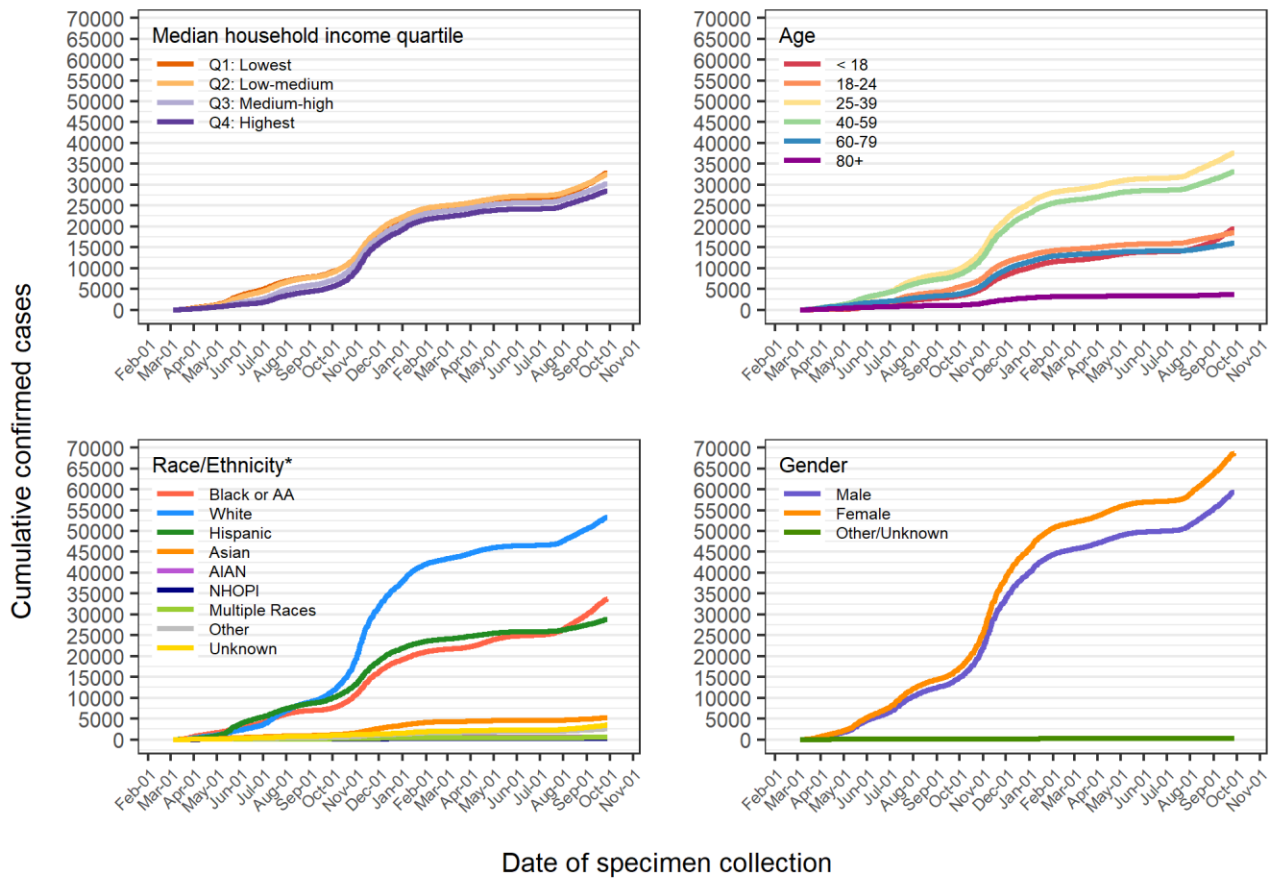## Figure 4b: One week reproductive number for Milwaukee County suburbs

Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team

Demographic Patterns – Age, Sex, Race and Ethnicity

Confirmed cases

COVID-19 cases vary by demographic characteristics. **Figure 5** shows cumulative case plots including confirmed positive cases with an available specimen collection date, plotted by census block group (CBG) median household income, sex, age, and race/ethnicity groups. The cumulative number of cases among those aged 25-39 (N = 37563) still exceeds the number among the next highest group, those aged 40-59 (N = 33078). The number of cases under age 18 (N = 19405) now exceeds the number diagnosed among those aged 18-24 (N = 18464) and 60-79 (N = 15978). Of all confirmed cases, 46% are male and 54% are female. The largest number of cases have been identified among the non-Hispanic White population (N = 53275), followed by the Black/AA population (N = 33655) and the Hispanic population (N = 28799). The lower two quartiles of median household income ($0 to $35,833, and $35,834 to $50,096) have a larger number of cases than the higher two quartiles ($50,097 to $68,393, and $68,394 to $250,001), with the fewest cases identified among the highest income group.

Figure 5: Cumulative confirmed cases in Milwaukee County

Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team
*Race and ethnicity were combined into one variable where the Hispanic category includes Hispanics of any race.
AIAN stands for American Indian or Alaska Native and NHOPI stands for Native Hawaiian or Other Pacific Islander.

When examined as population-based rates in **Figure 6**, demographic patterns are also apparent. Early in the epidemic, we saw a clear age gradient in population-based rates, with older populations experiencing greater rates. However, since then, we have seen higher rates among the younger, working age groups (18-24, 25-39, and 40-59) and most recently among children (0-17). By race and ethnicity, the rate was highest among Black/AA populations until the beginning of May 2020, when we observed a surge among Hispanics resulting in the Hispanic rate (204.87 per 1,000 people) exceeding that among all other racial and ethnic groups. The rates among Black/AAs (135.15 per 1,000), Asians (127.88 per 1,000 people), and AIANs (128.04 per 1,000 people) come next, followed by Non-Hispanic Whites (107.9 per 1,000). The rate among Black/AA residents increased with the summer 2021 surge in cases thought to be driven by the Delta variant. The rate among females (139.28 per 1,000 people) exceeds the rate among males (128.47 per 1,000 people).

Figure 6: Population based incidence rates in Milwaukee County
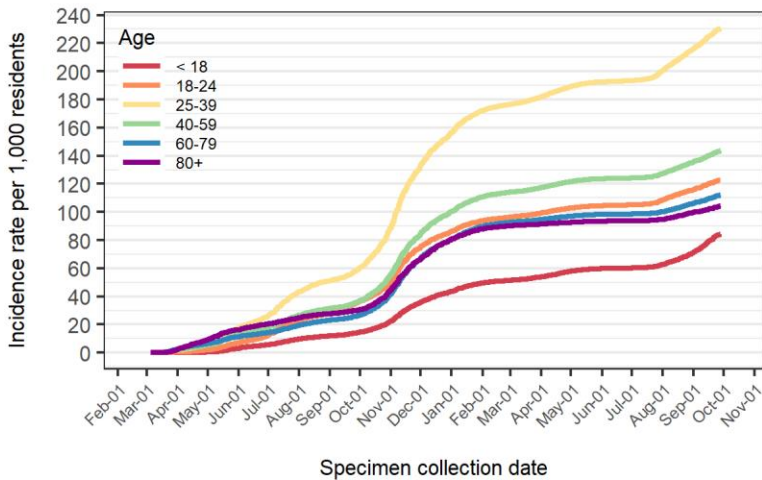
Age	N Cases	Population	Rate per 1,000 residents
< 18	19405	231111	83.96
18-24	18464	150895	122.36
25-39	37563	163246	230.10
40-59	33078	230887	143.26
60-79	15978	142783	111.90
80+	3675	35287	104.15
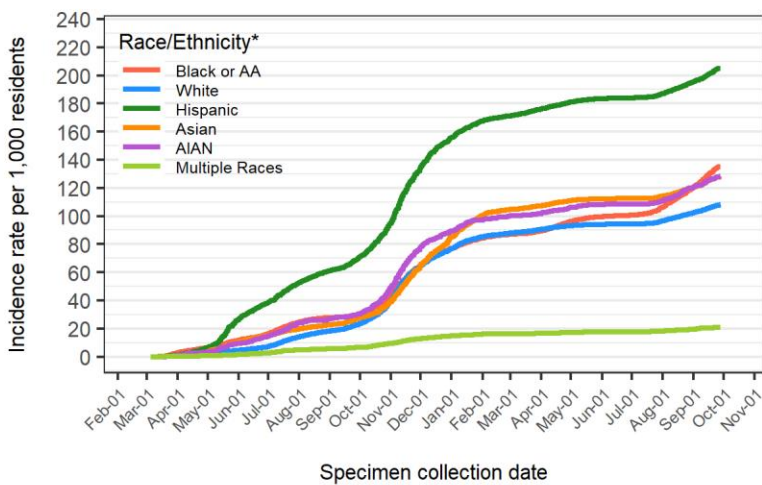
Race/Ethnicity*	N Cases	Population	Rate per 1,000 residents
Black or AA	33655	249011	135.15
White	53275	493723	107.90
Hispanic	28799	140575	204.87
Asian	5172	40443	127.88
AIAN	595	4647	128.04
Multiple Races	506	24224	20.89
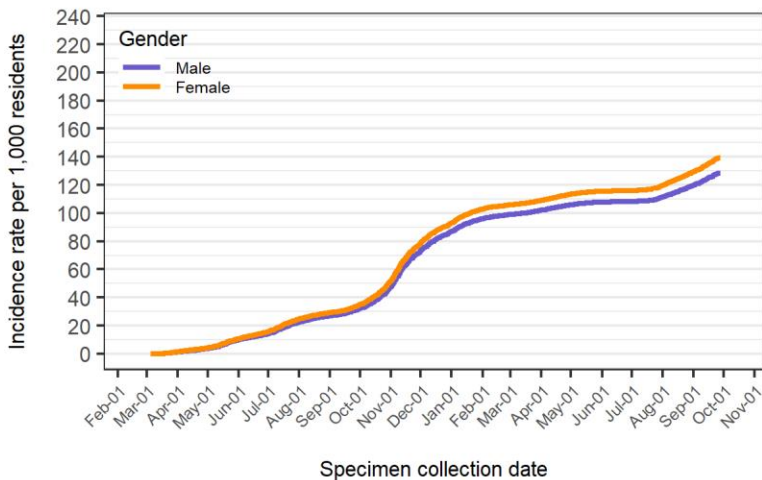
Gender	N Cases	Population	Rate per 1,000 residents
Male	59311	461670	128.47
Female	68599	492539	139.28

Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team
*Race and ethnicity were combined into one variable where the Hispanic category includes Hispanics of any race.
AIAN stands for American Indian or Alaska Native and NHOPI stands for Native Hawaiian or Other Pacific Islander.

Hospitalizations

A total of 8372 Milwaukee County residents have been hospitalized due to COVID-19. **Figure 7** shows cumulative hospitalizations based on lab specimen collection date (as admission dates are incomplete). The highest number of hospitalizations continues to be among those ages 60-79 (N = 2962). The highest number of hospitalizations have now occurred among Non-Hispanic White community (N = 3379), followed by the Black/AA community (N = 3085), and then the Hispanic community (N = 1402). Overall, counts are lower among other racial and ethnic groups. Females outnumber males, comprising 54.3% of all hospitalized cases. More individuals among lower income than higher income groups have been hospitalized, with a clear income gradient observed.

Figure 7: Cumulative hospitalizations in Milwaukee County

Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
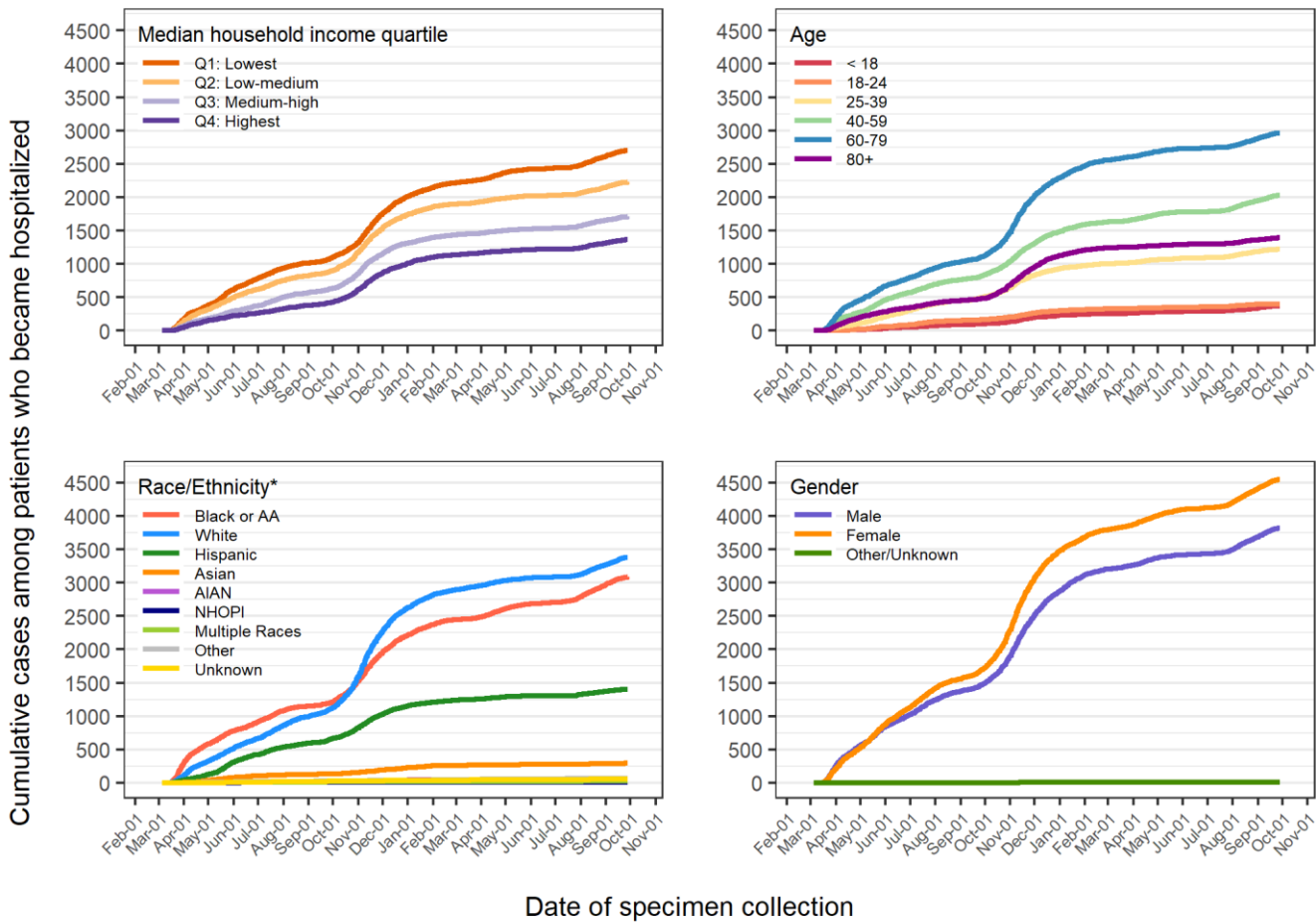Created by the Milwaukee County COVID-19 Epidemiology Intel Team
*Race and ethnicity were combined into one variable where the Hispanic category includes Hispanics of any race.
AIAN stands for American Indian or Alaska Native and NHOPI stands for Native Hawaiian or Other Pacific Islander.

When examined as population-based rates and case-based rates in **Figure 8**, hospitalization patterns are also apparent by demographic characteristics. Both population- and case-based hospitalization rates exhibit a clear age group gradient, with older age groups experiencing higher rates. For race and ethnicity and gender plots, note that the vertical axis has been adjusted to reveal variation and the scales are not directly comparable across age, gender, and race/ethnicity plots. By race and ethnicity, population and case-based hospitalization rates are highest among the Black/AA and AIAN populations and the population-based rate is lowest for non-Hispanic Whites. Note the variation in the timing of rate

increases across racial and ethnic groups. Rates by gender are very similar. All rates presented are crude rates and only groups with 10 or more total hospitalized cases are shown.

Figure 8: Population and case based hospitalization rates in Milwaukee County
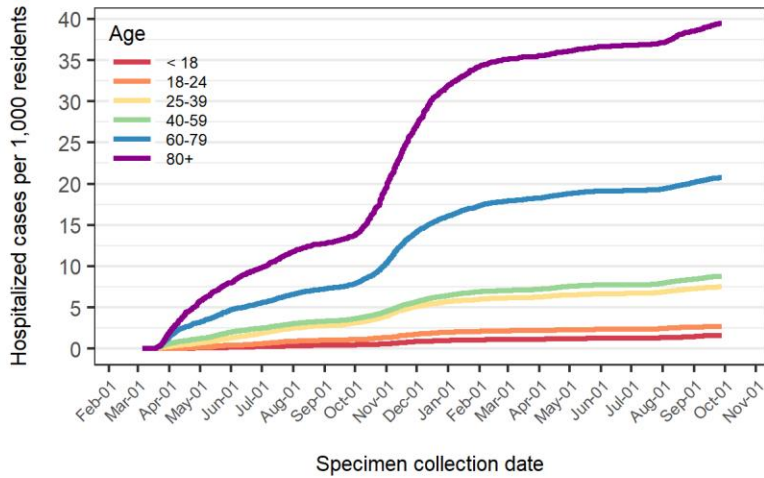
Age	N Hospitalized Cases	Rate per 1,000 residents	Rate per 100 cases
< 18	372	1.61	1.92
18-24	401	2.66	2.17
25-39	1219	7.47	3.25
40-59	2027	8.78	6.13
60-79	2962	20.74	18.54
80+	1391	39.42	37.85
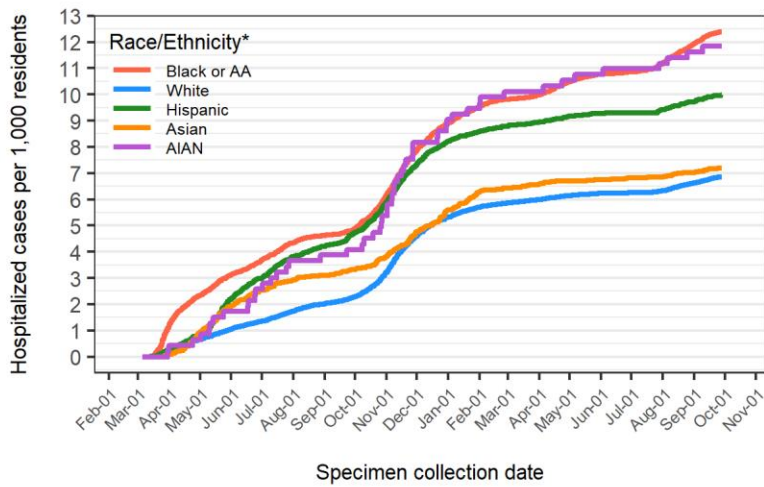
Race/Ethnicity*	N Hospitalized Cases	Rate per 1,000 residents	Rate per 100 cases
Black or AA	3085	12.39	9.17
White	3379	6.84	6.34
Hispanic	1402	9.97	4.87
Asian	291	7.20	5.63
AIAN	55	11.84	9.24
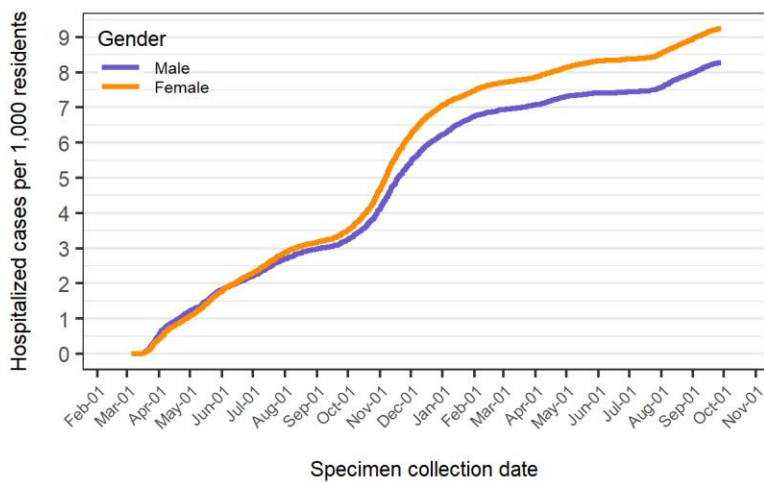
Gender	N Hospitalized Cases	Rate per 1,000 residents	Rate per 100 cases
Male	3819	8.27	6.44
Female	4549	9.24	6.63

Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team
*Race and ethnicity were combined into one variable where the Hispanic category includes Hispanics of any race.
AIAN stands for American Indian or Alaska Native and NHOPI stands for Native Hawaiian or Other Pacific Islander.

Deaths

There are now a total of 1504 confirmed deaths in Milwaukee County, representing a case fatality rate of 1.2%. We observed 16 new deaths over the past week in the county. Mortality patterns differ by demographic characteristics, as shown in **Figure 9**. The largest number of deaths are recorded among those age 60 or older. The largest number of deaths are recorded for males (N = 773) and for non-Hispanic Whites (N = 805) followed by Black/AA residents (N = 447). By income, there are a larger number of deaths among the two lower income groups as compared to the two higher income groups. Deaths among Hispanics remain relatively low.

Figure 9: Cumulative deaths in Milwaukee County
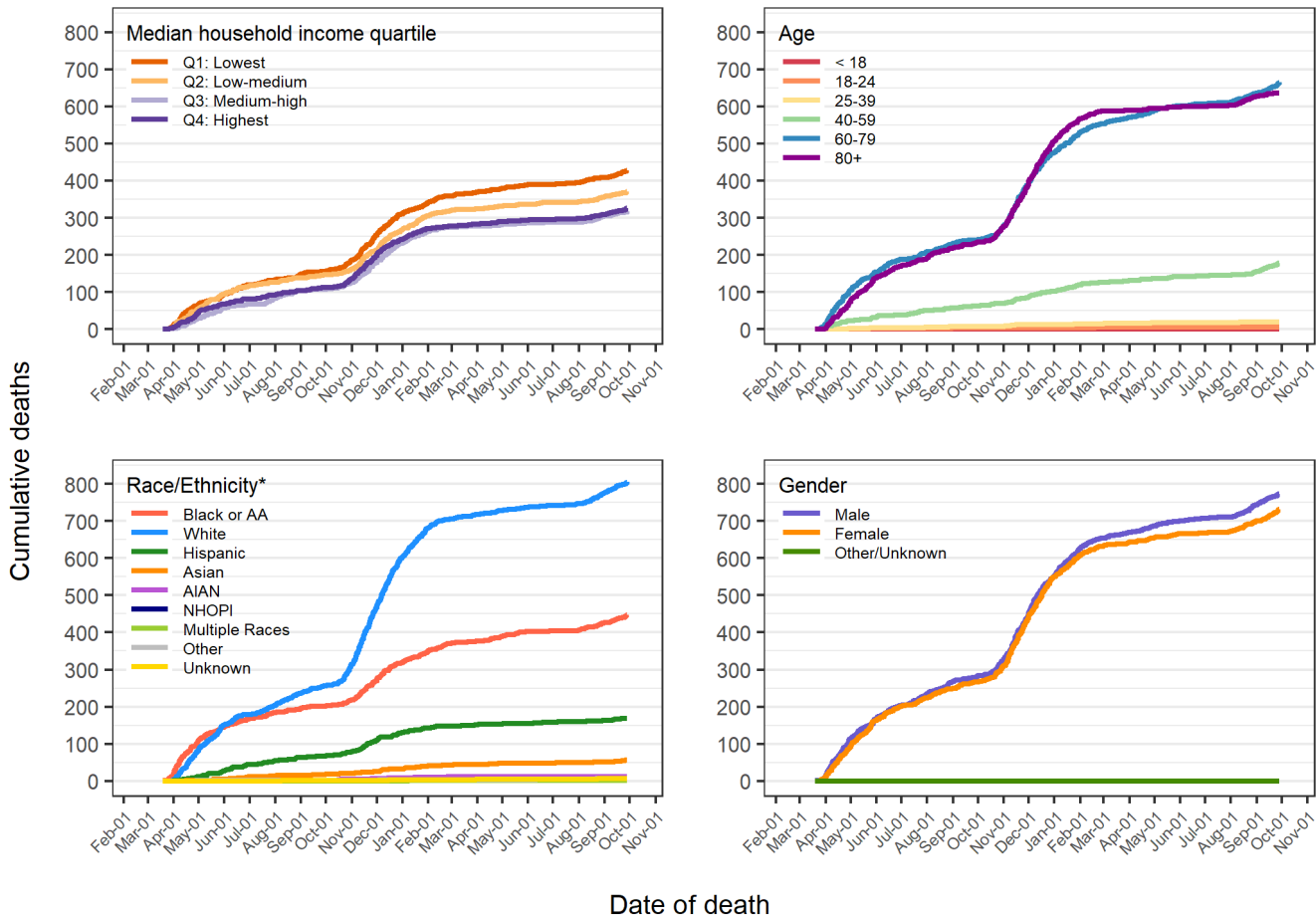
Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team
*Race and ethnicity were combined into one variable where the Hispanic category includes Hispanics of any race.
AIAN stands for American Indian or Alaska Native and NHOPI stands for Native Hawaiian or Other Pacific Islander.

In terms of population- and case-based rates shown in **Figure 10**, there is a clear age category gradient, with higher death rates among older populations. For race and ethnicity and gender plots, note that the vertical axis has been adjusted to reveal variation and the scales are not directly comparable across age, gender, and race/ethnicity plots. Males have a higher death rate than females. The AIAN population has the highest population and case-based death rates, although the total number of deaths is small in comparison to other racial and ethnic groups. Black/AA populations and non-Hispanic Whites have the next highest population and case-based death rates. All rates presented are crude rates and only groups with 9 or more total deaths are shown.

# Figure 10: Population and case based death rates in Milwaukee County
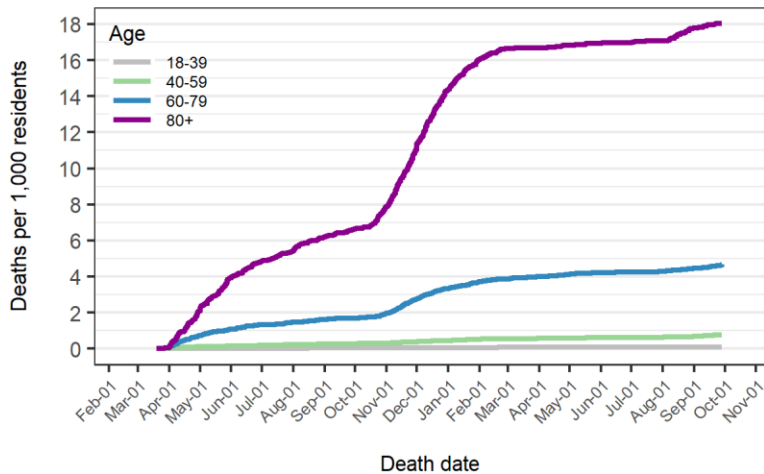
Age	N Deaths	Rate per 1,000 residents	Rate per 100 cases
18-39	25	0.08	0.04
40-59	177	0.77	0.54
60-79	665	4.66	4.16
80+	636	18.02	17.31
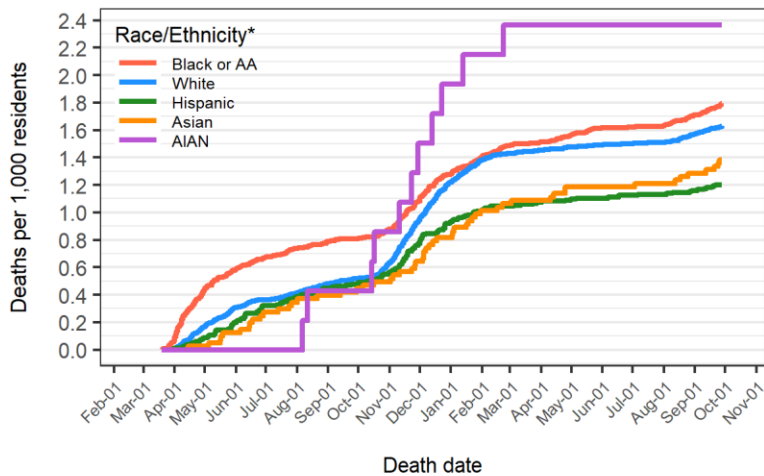
Race/Ethnicity*	N Deaths	Rate per 1,000 residents	Rate per 100 cases
Black or AA	447	1.80	1.33
White	805	1.63	1.51
Hispanic	169	1.20	0.59
Asian	56	1.38	1.08
AIAN	11	2.37	1.85
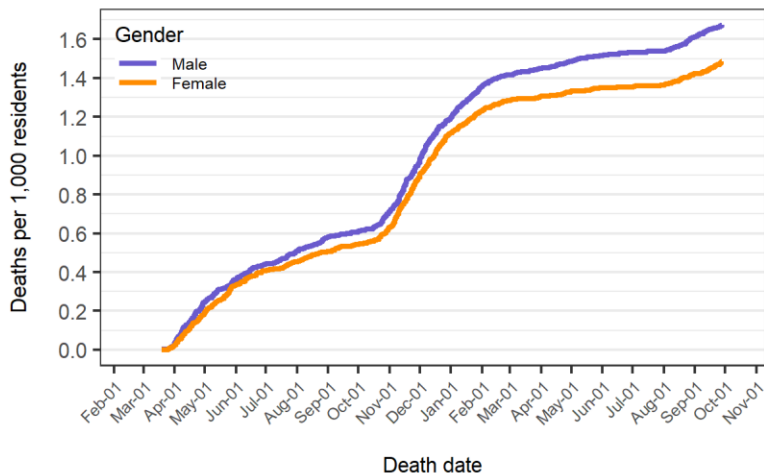
Gender	N Deaths	Rate per 1,000 residents	Rate per 100 cases
Male	773	1.67	1.30
Female	731	1.48	1.07

*Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)*
Created by the Milwaukee County COVID-19 Epidemiology Intel Team
*Race and ethnicity were combined into one variable where the Hispanic category includes Hispanics of any race.
*AIAN stands for American Indian or Alaska Native and NHOPI stands for Native Hawaiian or Other Pacific Islander.*

Testing Coverage

Testing for the novel coronavirus is an important public health response to limiting the spread of the infection. Testing capacity was limited in Milwaukee County and across the country earlier in the epidemic, but then increased. Since the first case of COVID-19 was diagnosed in Milwaukee County on March 6, 2020, a total of 1,769,653 COVID-19 tests have been performed, with 1,625,680 negative results and 143,973 positive results. This represents a positive test rate of 8.1% since the beginning of the epidemic.

As shown in **Figure 11**, total tests per week increased until early July 2020 and then declined, with another increase starting in early September 2020 and peaking in early November, followed by a decline. Testing markedly decreased the weeks of Thanksgiving, Christmas, and the 2021 New Year. Testing then decreased until the summer 2021 surge in cases beginning in late June. As shown in **Figure 12**, the percentage of positive tests varied over the course of the epidemic, with a high of 25-30% in early April of 2020. The percentage of positive tests was 7.6% over the past week compared to 8.2% the previous week. **Figure 12** also illustrates the 14-day trend in the percent positive tests, showing no significant change. Percent positive should be interpreted in the context of potential data delays, and considering that data entry for positive tests is prioritized.

Figure 11: Milwaukee County number of tests per week
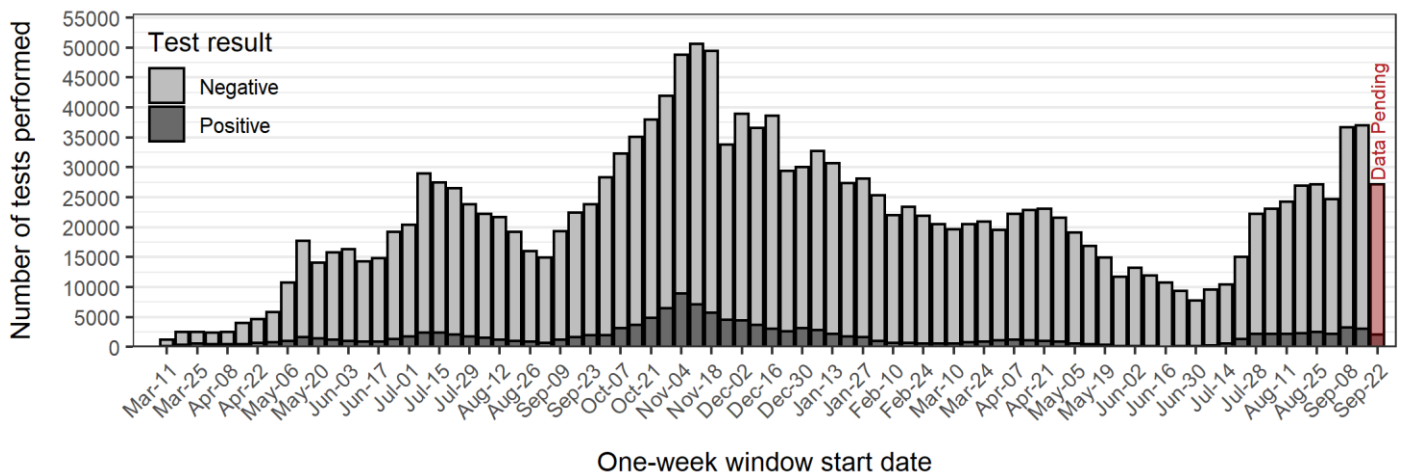
Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team

Figure 12: Milwaukee County percent positive tests
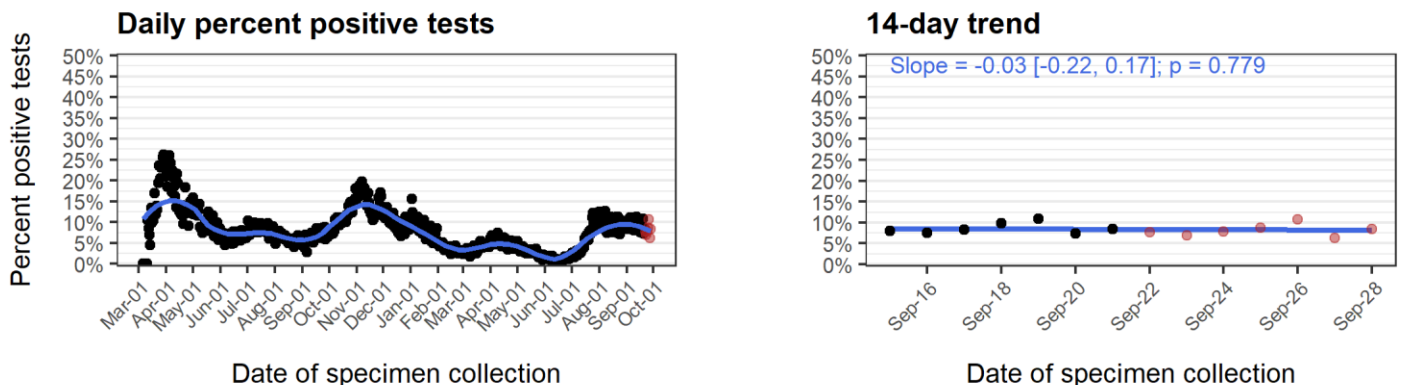
Data source: Wisconsin Electronic Disease Surveillance System (WEDSS)
Created by the Milwaukee County COVID-19 Epidemiology Intel Team

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Spatial Patterns of Cases and Testing

COVID-19 spread is spatially patterned. **Map 1** below illustrates the cumulative burden (all confirmed cases) of COVID-19 in Milwaukee County. **Map 2** shows cases confirmed over the last two weeks. **Map 3** shows the overall testing rate across the population. **Map 4** shows the testing rate over the last two weeks. **Map 5** depicts the percentage of tests that were confirmed positive. **Map 6** shows cumulative COVID-19 related hospitalizations. **Map 7** shows the percentage of cases who have been hospitalized. **Map 8** shows the overall COVID-19 mortality rate, excluding cases and corresponding population denominators residing in group quarters such as nursing homes and long-term care facilities. All are crude rate maps created using census block group level COVID-19 data from WEDSS and population data from the US Census. The maps are smoothed to protect confidentiality and ensure that rates are stable while still providing geographic detail. Deciles are used to define categories. High rates are depicted in red with lower rates depicted in blue. Of note, some of the higher rates observed can be attributed to infections that have spread within group quarters, such as a nursing home, prison, or long-term care facility.

Decile Map 1: All confirmed cases of COVID-19

COVID-19 Incidence Rate
March 6, 2020 - September 28, 2021
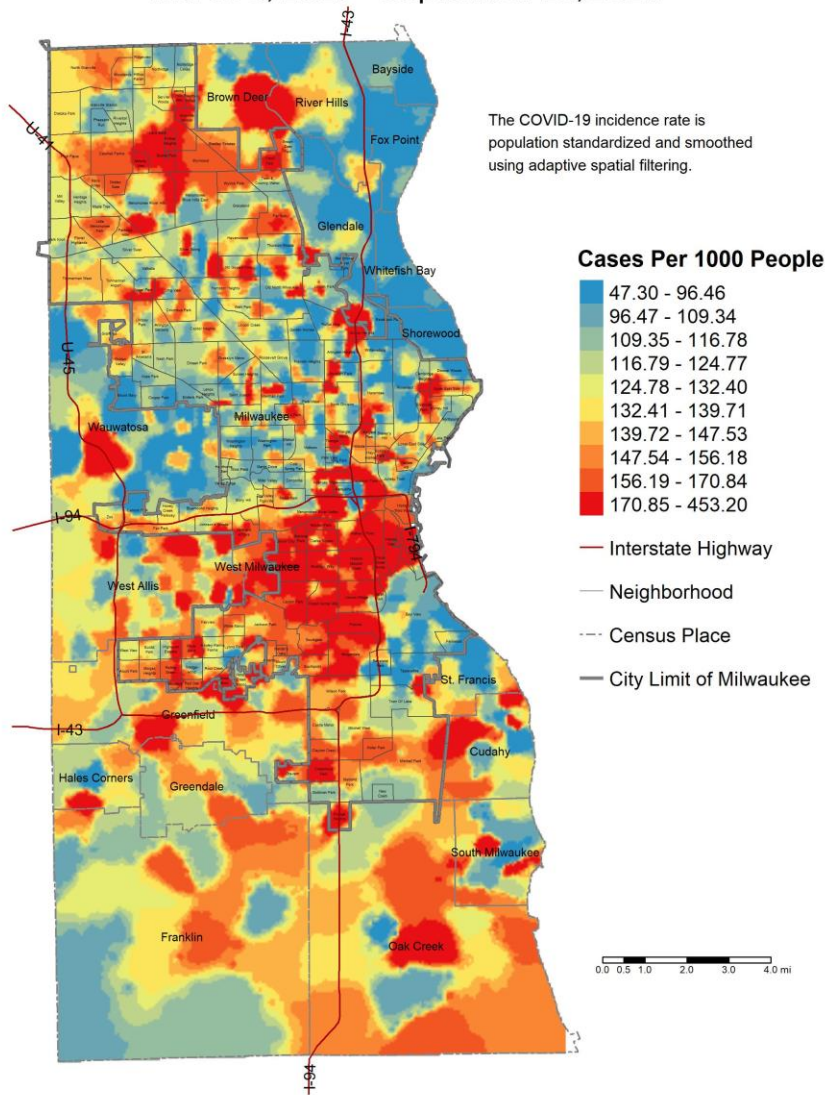
The COVID-19 incidence rate is population standardized and smoothed using adaptive spatial filtering.

Cases Per 1000 People

- 47.30 - 96.46
- 96.47 - 109.34
- 109.35 - 116.78
- 116.79 - 124.77
- 124.78 - 132.40
- 132.41 - 139.71
- 139.72 - 147.53
- 147.54 - 156.18
- 156.19 - 170.84
- 170.85 - 453.20

— Interstate Highway

— Neighborhood

--- Census Place

— City Limit of Milwaukee

Method: A grid of points is used to estimate rates continuously across the map, based on the nearest cases with a minimum of 15 confirmed cases included.

Data Sources: Wisconsin Electronic Disease Surveillance System (WEDSS) (incidence data)
2018 American Community Survey (population data)
City of Milwaukee Map Milwaukee Portal (neighborhood boundaries)
Census Bureau TIGER/Line Shapefiles (census place boundaries)

Created by the Milwaukee County Covid-19 Epidemiology Intel Team

Decile Map 2: Confirmed cases of COVID-19 within the last two weeks

COVID-19 Incidence Rate
Latest 2 Weeks September 15,2021 - September 28,2021
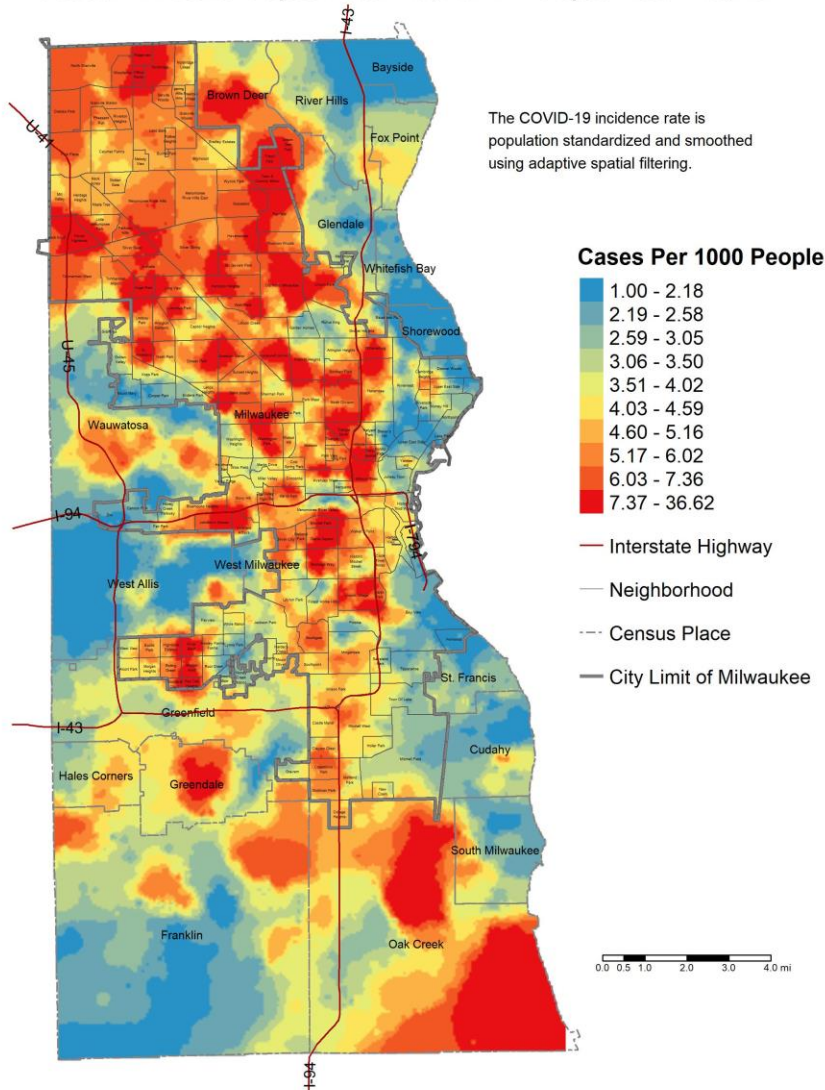
The COVID-19 incidence rate is population standardized and smoothed using adaptive spatial filtering.

Cases Per 1000 People

- 1.00 - 2.18
- 2.19 - 2.58
- 2.59 - 3.05
- 3.06 - 3.50
- 3.51 - 4.02
- 4.03 - 4.59
- 4.60 - 5.16
- 5.17 - 6.02
- 6.03 - 7.36
- 7.37 - 36.62

— Interstate Highway

— Neighborhood

--- Census Place

— City Limit of Milwaukee

Method: A grid of points is used to estimate rates continuously across the map, based on the nearest cases with a minimum of 15 confirmed cases included.
Data Sources: Wisconsin Electronic Disease Surveillance System (WEDSS) (incidence data)
2018 American Community Survey (population data)
City of Milwaukee Map Milwaukee Portal (neighborhood boundaries)
Census Bureau TIGER/Line Shapefiles (census place boundaries)
Created by the Milwaukee County Covid-19 Epidemiology Intel Team

Decile Map 3: Overall testing rate

COVID-19 Testing Rate
March 6, 2020 - September 28, 2021

The testing rate is estimated as the number of total COVID-19 tests conducted per capita. The rate is smoothed using adaptive spatial filtering.

Tests Per 1000 People

- 635.91 - 1303.82
- 1303.83 - 1390.18
- 1390.19 - 1480.88
- 1480.89 - 1564.95
- 1564.96 - 1639.71
- 1639.72 - 1715.55
- 1715.56 - 1836.94
- 1836.95 - 1994.74
- 1994.75 - 2250.55
- 2250.56 - 11738.74

— Interstate Highway

— Neighborhood

--- Census Place

— City Limit of Milwaukee
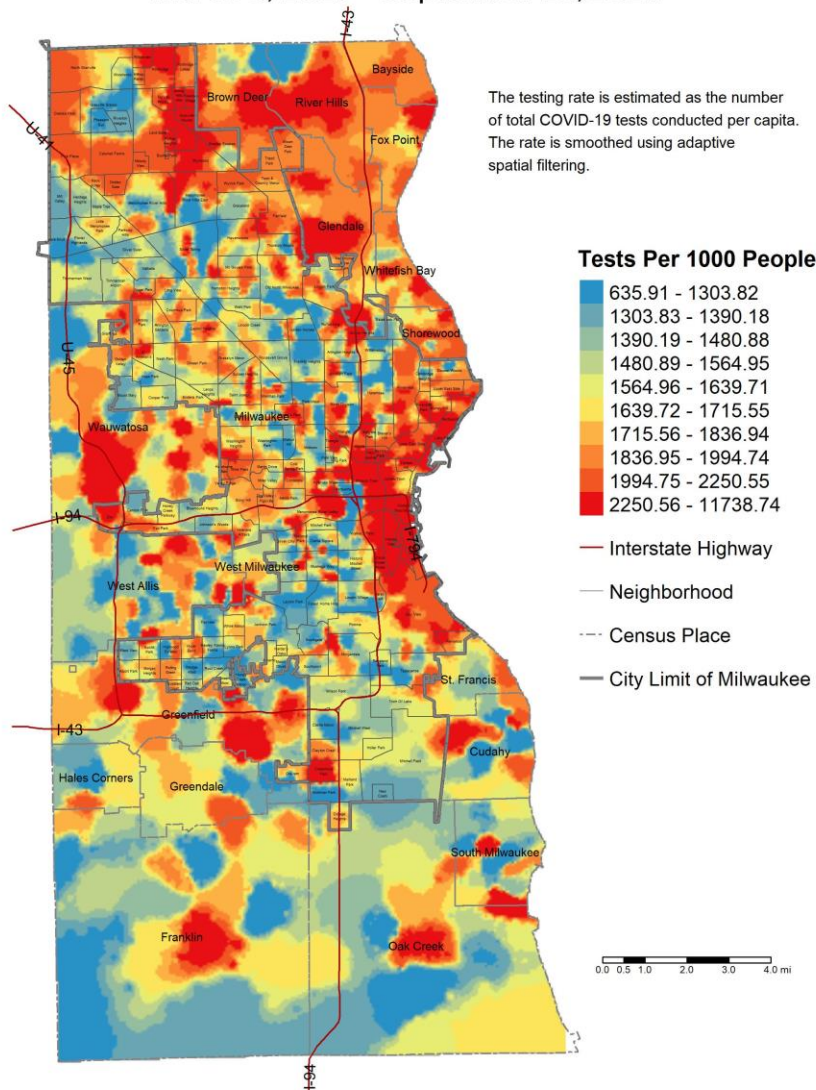
Method: A grid of points is used to estimate rates continuously across the map, based on the nearest cases with a minimum of 15 tests included.
Data Sources: Wisconsin Electronic Disease Surveillance System (WEDSS) (incidence data)
2018 American Community Survey (population data)
City of Milwaukee Map Milwaukee Portal (neighborhood boundaries)
Census Bureau TIGER/Line Shapefiles (census place boundaries)
Created by the Milwaukee County Covid-19 Epidemiology Intel Team

Decile Map 4: Testing rate within the last two weeks

COVID-19 Mortality Rate
March 6, 2020 - September 28, 2021

The COVID-19 mortality rate is population standardized and smoothed using adaptive spatial filtering.

Death Per 1000 people

- 0.28 - 0.73
- 0.74 - 0.82
- 0.83 - 0.90
- 0.91 - 0.99
- 1.00 - 1.08
- 1.09 - 1.18
- 1.19 - 1.29
- 1.30 - 1.44
- 1.45 - 1.74
- 1.75 - 6.76

— Interstate Highway

— Neighborhood

--- Census Place

— City Limit of Milwaukee

Method: A grid of points is used to estimate rates continuously across the map, based on the nearest cases with a minimum of 10 death cases included.
Data Sources: Wisconsin Electronic Disease Surveillance System (WEDSS) (incidence data)
2018 American Community Survey (population data)
City of Milwaukee Map Milwaukee Portal (neighborhood boundaries)
Census Bureau TIGER/Line Shapefiles (census place boundaries)
Created by the Milwaukee County Covid-19 Epidemiology Intel Team
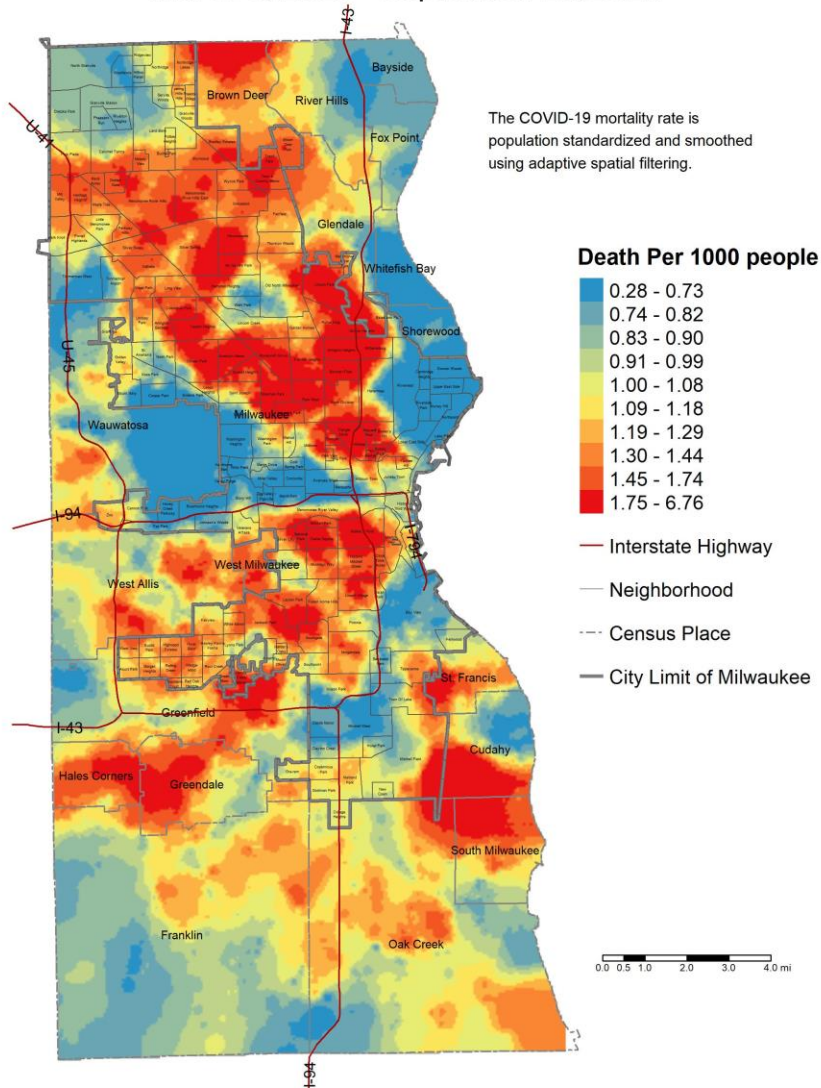
COVID-19 Positive Testing Rate
March 6, 2020 - September 28, 2021

The positive testing rate is estimated as the proportion of total tests conducted that were positive for COVID-19. The rate is smoothed using adaptive spatial filtering.

Percent of Tests Confirmed Positive

- 2.54 - 6.02
- 6.03 - 7.35
- 7.36 - 8.16
- 8.17 - 8.69
- 8.70 - 9.22
- 9.23 - 9.61
- 9.62 - 9.99
- 10.00 - 10.49
- 10.50 - 11.18
- 11.19 - 17.70

— Interstate Highway

— Neighborhood
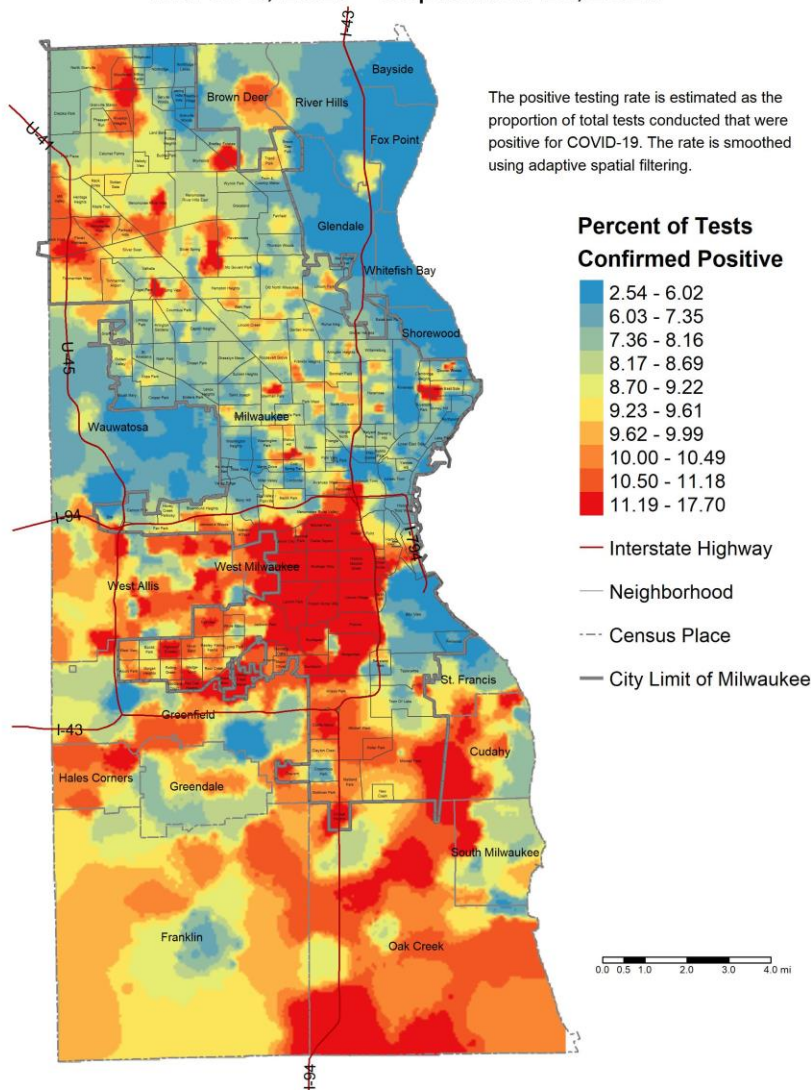
--- Census Place

— City Limit of Milwaukee

Method: A grid of points is used to estimate rates continuously across the map, based on the nearest cases with a minimum of 15 positive tests included.
Data Sources: Wisconsin Electronic Disease Surveillance System (WEDSS) (incidence data)
2018 American Community Survey (population data)
City of Milwaukee Map Milwaukee Portal (neighborhood boundaries)
Census Bureau TIGER/Line Shapefiles (census place boundaries)
Created by the Milwaukee County Covid-19 Epidemiology Intel Team

Decile Map 6: COVID-19 related hospitalizations

COVID-19 Hospitalization Rate
March 6, 2020 - September 28, 2021

The COVID-19 hospitalization rate is population standardized and smoothed using adaptive spatial filtering.

Hospitalized Cases Per 1000 People

1.38 - 4.50
4.51 - 5.61
5.62 - 6.77
6.78 - 7.59
7.60 - 8.30
8.31 - 9.10
9.11 - 10.10
10.11 - 11.68
11.69 - 14.11
14.12 - 50.71

— Interstate Highway

— Neighborhood

--- Census Place

— City Limit of Milwaukee

Method: A grid of points is used to estimate rates continuously across the map, based on the nearest cases with a minimum of 15 hospitalized cases included.
Data Sources: Wisconsin Electronic Disease Surveillance System (WEDSS) (incidence data)
2018 American Community Survey (population data)
City of Milwaukee Map Milwaukee Portal (neighborhood boundaries)
Census Bureau TIGER/Line Shapefiles (census place boundaries)
Created by the Milwaukee County Covid-19 Epidemiology Intel Team

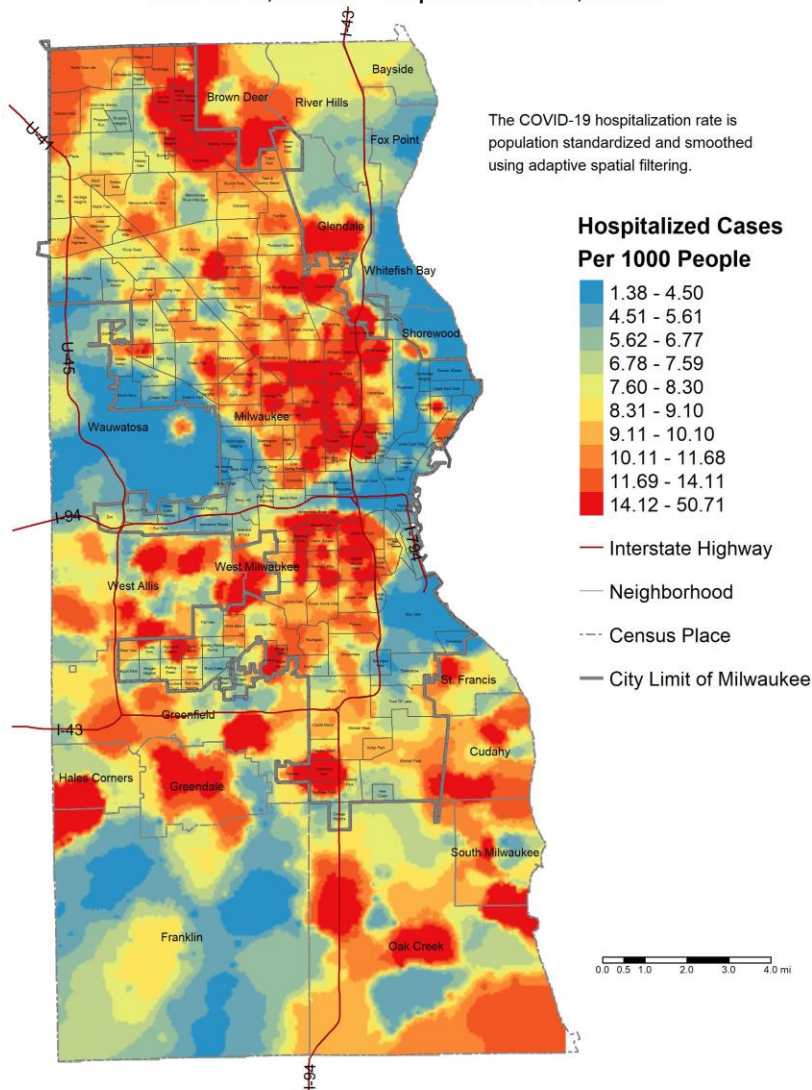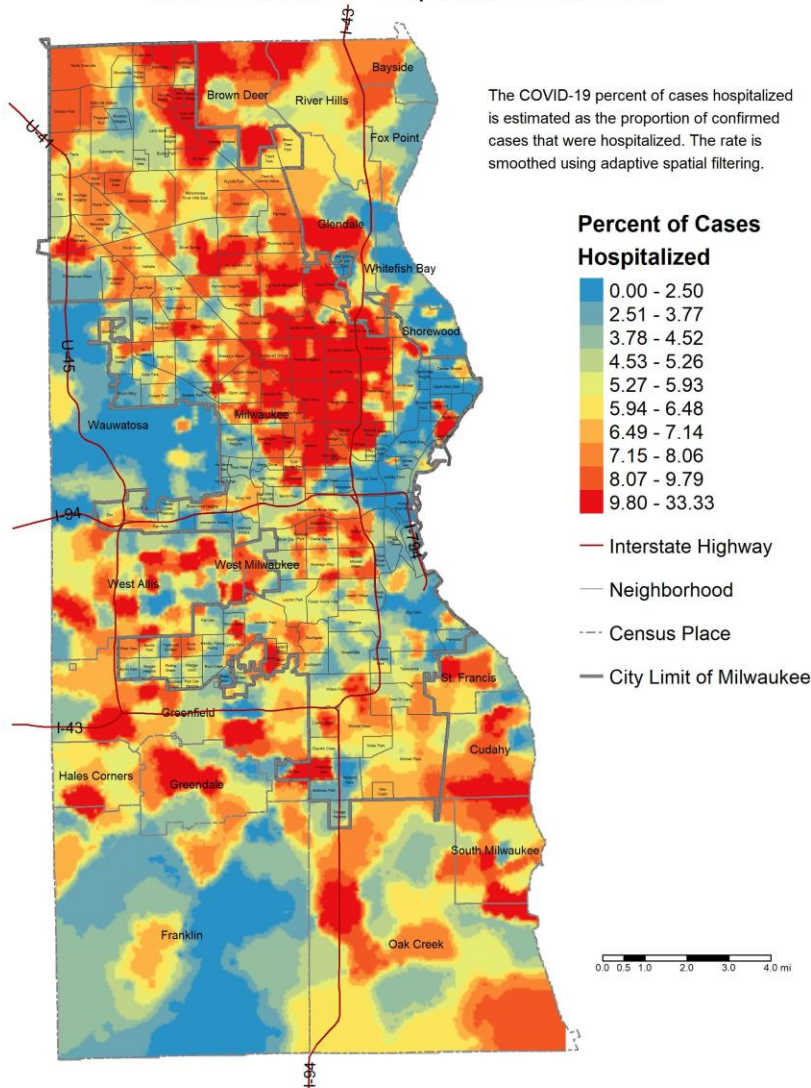## Decile Map 7: Percentage of COVID-19 cases that were hospitalized

COVID-19 Percent of Cases Hospitalized
March 6, 2020 - September 28, 2021

The COVID-19 percent of cases hospitalized is estimated as the proportion of confirmed cases that were hospitalized. The rate is smoothed using adaptive spatial filtering.

Percent of Cases Hospitalized

- 0.00 - 2.50
- 2.51 - 3.77
- 3.78 - 4.52
- 4.53 - 5.26
- 5.27 - 5.93
- 5.94 - 6.48
- 6.49 - 7.14
- 7.15 - 8.06
- 8.07 - 9.79
- 9.80 - 33.33

— Interstate Highway

— Neighborhood

--- Census Place

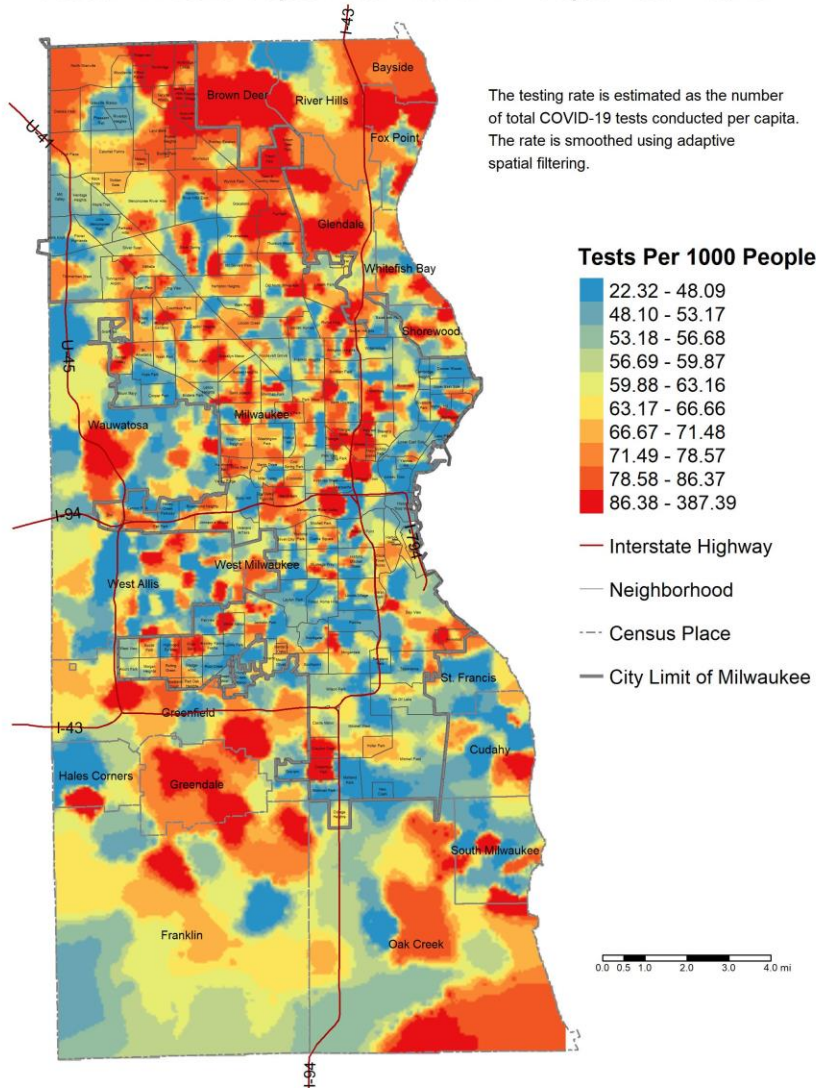— City Limit of Milwaukee

0.0 0.5 1.0   2.0   3.0   4.0 mi

Method: A grid of points is used to estimate rates continuously across the map, based on the nearest cases with a minimum of 15 confirmed cases included.
Data Sources: Wisconsin Electronic Disease Surveillance System (WEDSS) (incidence data)
2018 American Community Survey (population data)
City of Milwaukee Map Milwaukee Portal (neighborhood boundaries)
Census Bureau TIGER/Line Shapefiles (census place boundaries)
Created by the Milwaukee County Covid-19 Epidemiology Intel Team

Decile Map 8: COVID-19 mortality rate (group-quarter cases excluded)

COVID-19 Testing Rate
Latest 2 Weeks September 15,2021 - September 28,2021

The testing rate is estimated as the number of total COVID-19 tests conducted per capita. The rate is smoothed using adaptive spatial filtering.

Tests Per 1000 People

- 22.32 - 48.09
- 48.10 - 53.17
- 53.18 - 56.68
- 56.69 - 59.87
- 59.88 - 63.16
- 63.17 - 66.66
- 66.67 - 71.48
- 71.49 - 78.57
- 78.58 - 86.37
- 86.38 - 387.39

— Interstate Highway

Neighborhood

--- Census Place

— City Limit of Milwaukee

Method: A grid of points is used to estimate rates continuously across the map, based on the nearest cases with a minimum of 15 tests included.
Data Sources: Wisconsin Electronic Disease Surveillance System (WEDSS) (incidence data)
2018 American Community Survey (population data)
City of Milwaukee Map Milwaukee Portal (neighborhood boundaries)
Census Bureau TIGER/Line Shapefiles (census place boundaries)
Created by the Milwaukee County Covid-19 Epidemiology Intel Team

Data Sources & Acknowledgments

This report was created by faculty and staff in the Medical College of Wisconsin (MCW) Institute for Health and Equity (IHE) in partnership with representatives from local health departments and faculty from the University of Wisconsin-Milwaukee Zilber School of Public Health. Data sources include the Wisconsin Electronic Disease Surveillance System (WEDSS), the US Census Bureau, the Milwaukee County Medical Examiner's office, the Emergency Medicine Resource, and publicly available data obtained from local health and emergency response agencies. Data from the Wisconsin Electronic Data Surveillance System (WEDSS) summarized for the week includes data from September 22, 2021 through September 28, 2021.

Contact Information

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