Winnebago County Health Department
COVID-19 Weekly Data Summary
September 3, 2020

Summary

- Currently in Winnebago County the burden of confirmed COVID-19 cases is high and the activity level is high. Numbers of new cases continue to trend upward. A lack of physical distancing, inadequate mask wearing and attendance/hosting of group events are driving this trend.
- Case rates continue to remain high in Winnebago County. Our past 2-week confirmed case rate is 139.3 cases per 100,000 population, an increase from the 103.6 per 100,000 reported last week. For all of Winnebago County the case rate over the past two weeks is 150 and for the Fox Valley HERC region it is 210.*
- Over the past two weeks, individuals aged 50-59 had the highest confirmed case rate (228 cases per 100,000).
- While testing percent positivity is at 5.0% for the past two weeks, the amount of testing remains inadequate. A new regional COVID-19 testing site started on September 1 at Sunny View Expo Center in Oshkosh.
- Fox Valley area hospitals have adequate capacity given the burden of disease in our community at this time. There were 24 COVID-19 patients hospitalized in the Fox Valley area, an increase from the 15 hospitalized patients last week. As of September 1, there was 1 COVID-19 patient in the ICU. The region has averaged 19 hospitalized COVID patients per day in August compared to averages of only 11 in May, 16 in June and 13 in July.
- Disease investigation capacity is adequate. All confirmed cases are reached out to within 24 hours of being communicated to the health department.
- **Increased physical distancing and mask wearing are needed now to reduce case counts and decrease community spread. Keep your social circles small and avoid crowded indoor spaces. Schools and businesses are depending on your cooperation to help keep them open.**

Background Information

This report provides *preliminary* data on the confirmed COVID-19 cases from August 19 – September 1, 2020. Dates utilized for all graphs and tables are based on test result date and may not represent final case counts. Data may be underreported for recent days because results can take multiple days to be reported to the health department. This means the number of tests and percent positivity may change in next week's report. As this is a weekly report for the past 14 days, there will always be a week of overlap between reports.

*The COVID-19 data provided in this report is specific to the Winnebago County Health Department (WCHD) jurisdiction (population: 154,379). It does not include the portions of the City of Menasha or City of Appleton that fall within Winnebago County as those areas fall within the jurisdiction of the City of Menasha Health Department and City of Appleton Health Department. Data provided on the Department of Health Services website may be different than the information provided by WCHD because the state reports data for the entire county, which includes those portions of Menasha and Appleton.

For additional Winnebago County Health Department COVID-19 information:

- WCHD COVID-19 Webpage
- Municipality Weekly Data Summaries
- School District Weekly Data Summaries

Case Counts

- **Cumulative Case Counts (3/9/2020 – 9/1/2020)**
  - Confirmed Cases: 1364
    - Active Cases: 159 (12% of cumulative cases)
    - Recovered Cases: 1186 (87% of cumulative cases)
  - Probable Cases: 78
  - Negative Cases: 27,945
  - *Deaths: 19
- **Case Counts for the Past 14 Days (8/19/2020 – 9/1/2020)**
  - Confirmed Cases: 215
  - Probable Cases: 9
  - Negative Cases: 1,830
  - **Deaths: 1

***Death certificate must list COVID-19 (or the virus causing COVID-19) as a cause of death or a significant condition contributing to death. Healthcare providers and/or coroner determines cause of death.*

Case Count by Day – Last 2 Weeks

When there is adequate testing in place, trending daily case counts show if the disease is spreading or shrinking and what the overall burden of disease is in our area. This graph shows the number of confirmed cases by the test result date. There was an average of 14.9 cases per day, which was an increase from the 11.1 cases per day reported last week. Daily confirmed cases ranged from 8 to 25. For a full disease curve, see the dashboard on our website.

Daily Confirmed Case Count in Past 14 Days (August 19-September 1)
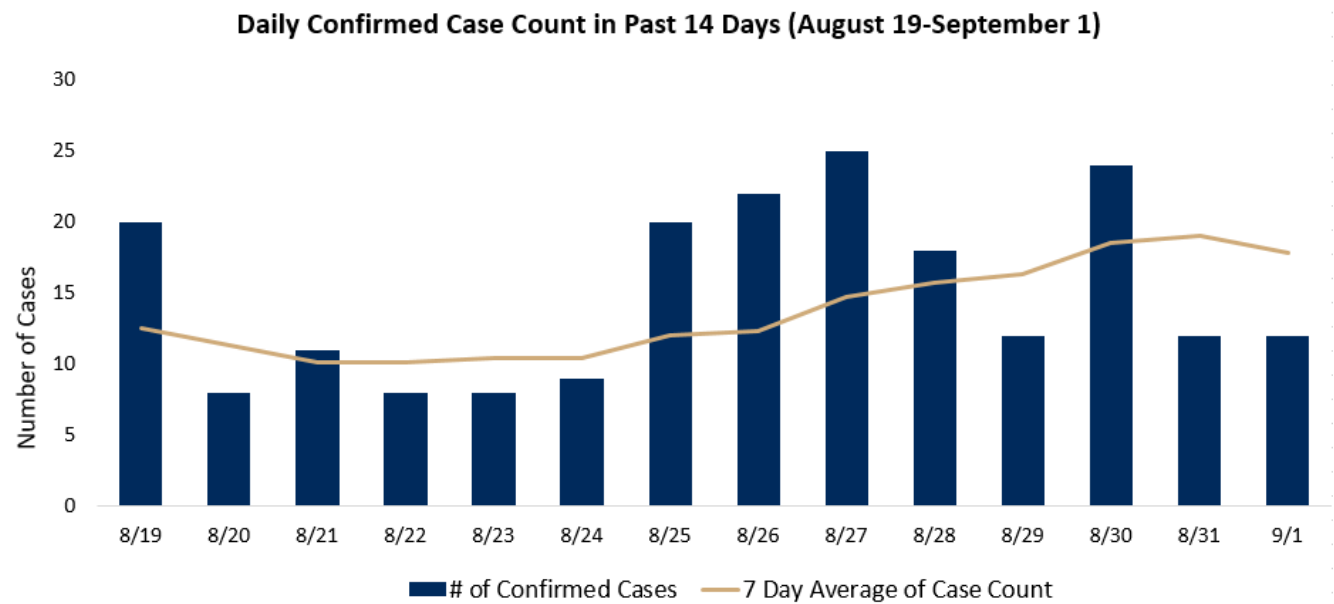
Daily confirmed case counts presented here may differ from our situation update and the cases by day graph reported on our dashboard. This chart reflects the test result date instead of the date when the results are actually received by the health department.

Case Rates

- Burden: total number of cases per 100,000 residents in the last two weeks
    - Confirmed Case Rate for past two weeks (August 19 – September 1)
        - 139.3 cases per 100,000 population
        - High burden
    - *Confirmed Case Rate for previous two weeks (August 12 - August 25): 103.6 per 100,000 population*

Burden Status	Case Rate per 100,000 residents in the past two weeks	Number of Cases in the past two weeks
Low	Case rate is less than or equal to 10.	Less than 15 cases
Moderate	Case rate is greater than, but less than or equal to 50.	Greater than 15 cases, but less than or equal to 77 cases.
Moderately High	Case rate is greater than 50, but less than or equal to 100.	Greater than 77 cases, but less than or equal to 154 cases.
High	Case rate is greater than 100.	Greater than 154 cases.

- Trajectory: Percent change in number of confirmed cases from previous to current week
    - Growing
- Activity: Summary indicator based on the burden and trajectory
    - High

View the DHS COVID Local Activity Level page to learn more about these indicators.

Biweekly Confirmed Case Rate Trends

The graphs below show confirmed case rate per 100,000 people for the Winnebago County Health Department Jurisdiction. These case rates are based on confirmed case counts during a two-week time span.

Winnebago County Confirmed Case Rate Trends (3/11/20-9/1/20)
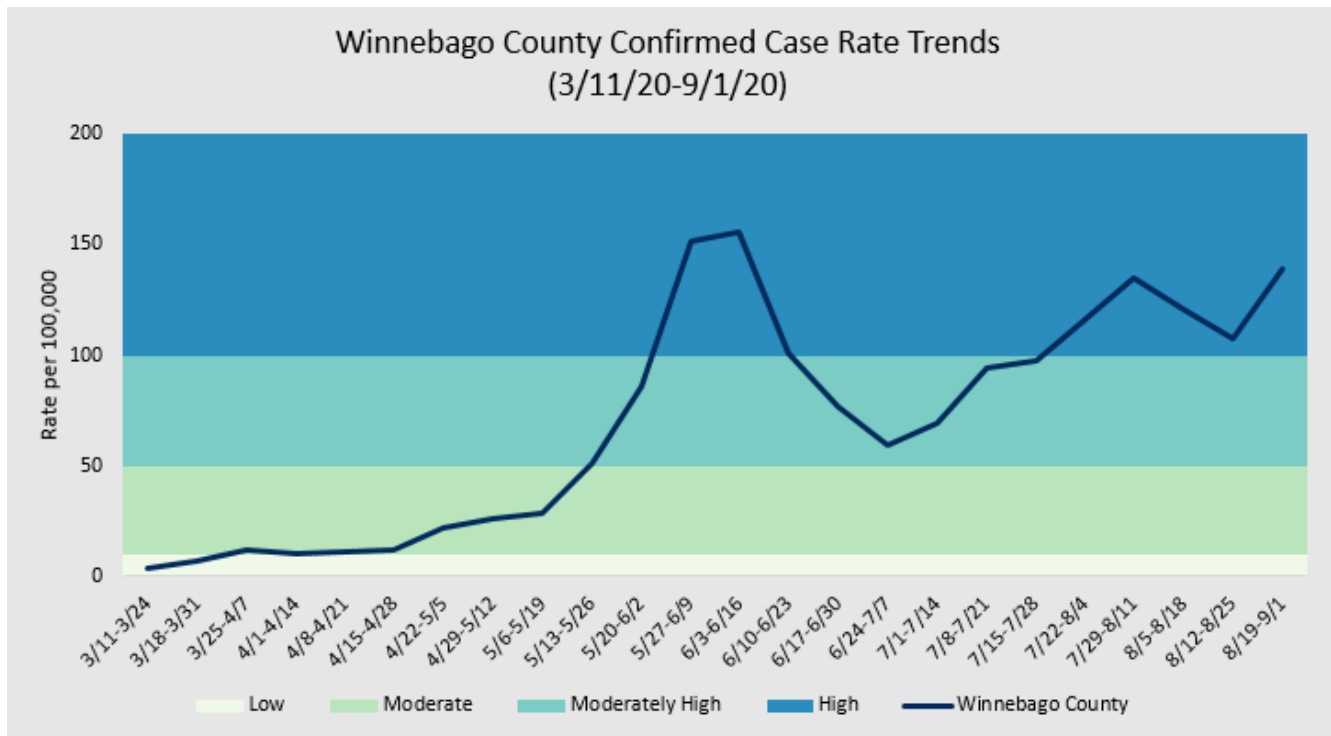
Amount of Testing and Percent Positivity

Adequate testing capacity and utilization is necessary for identification of active infections of COVID-19. Only through identification of cases may they be investigated to help prevent spread to others. Higher disease activity requires more testing to identify and isolate enough infected people to slow the spread. The percent positivity helps determine if adequate testing is being performed. When percent positivity is high, it may indicate that testing is inadequate to identify enough cases to help control the spread of disease through contact tracing. Our current goal is to have enough testing to keep the percent positivity below 5%.

An average of **5.0% of tests were positive**, which is an increase from the 4.2% average percent positivity reported last week. Daily positivity ranged from 2.2% to 10.2%. An **average of 353 tests** were conducted each day, which is an increase from the average of 281 tests per day reported last week.

A new regional COVID-19 testing site started on September 1 at Sunnyview Expo Center located at 500 E County Road Y, Oshkosh, Wis. Testing is free and will be conducted by the Wisconsin Army National Guard. There is currently no projected end date for this testing site.

Percent Posivity and Amount of Testing in Past 14 Days (August 19-September 1)
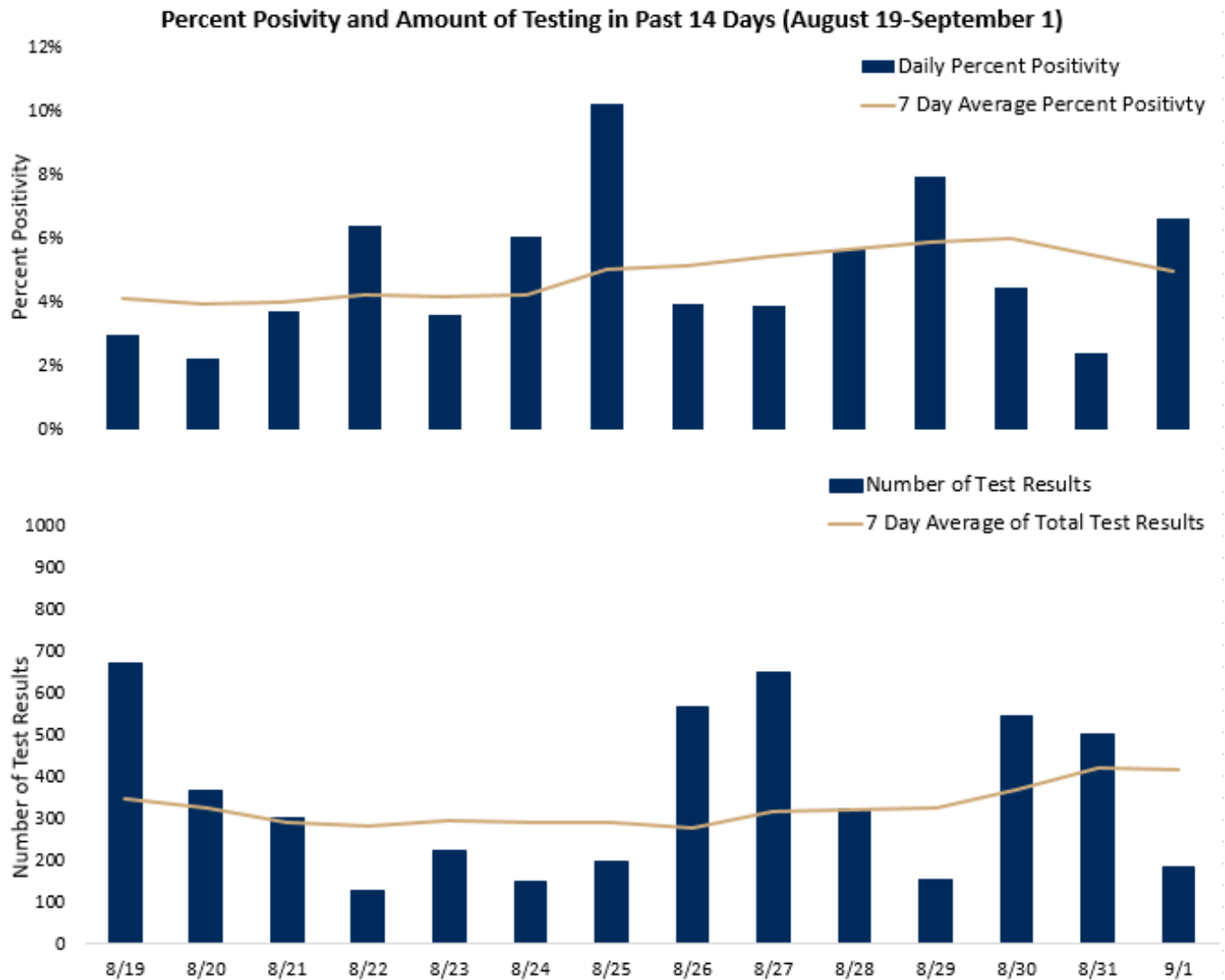
Trending by Age Group

This graph shows how cumulative confirmed case rates by age group have changed over time. Cumulative case rates will always trend upward, it is the rate of increase in that trend that helps us understand what populations are being impacted the most. In this case the 20-29-year-old population has had a much higher rate of increase compared to other age groups. The cumulative case rate among the **20-29 age group is 1.7 times higher** than the next highest age group's cumulative case rate.

Cumulative Confirmed Case Rate (per 100,000) (3/11/20-9/1/20)
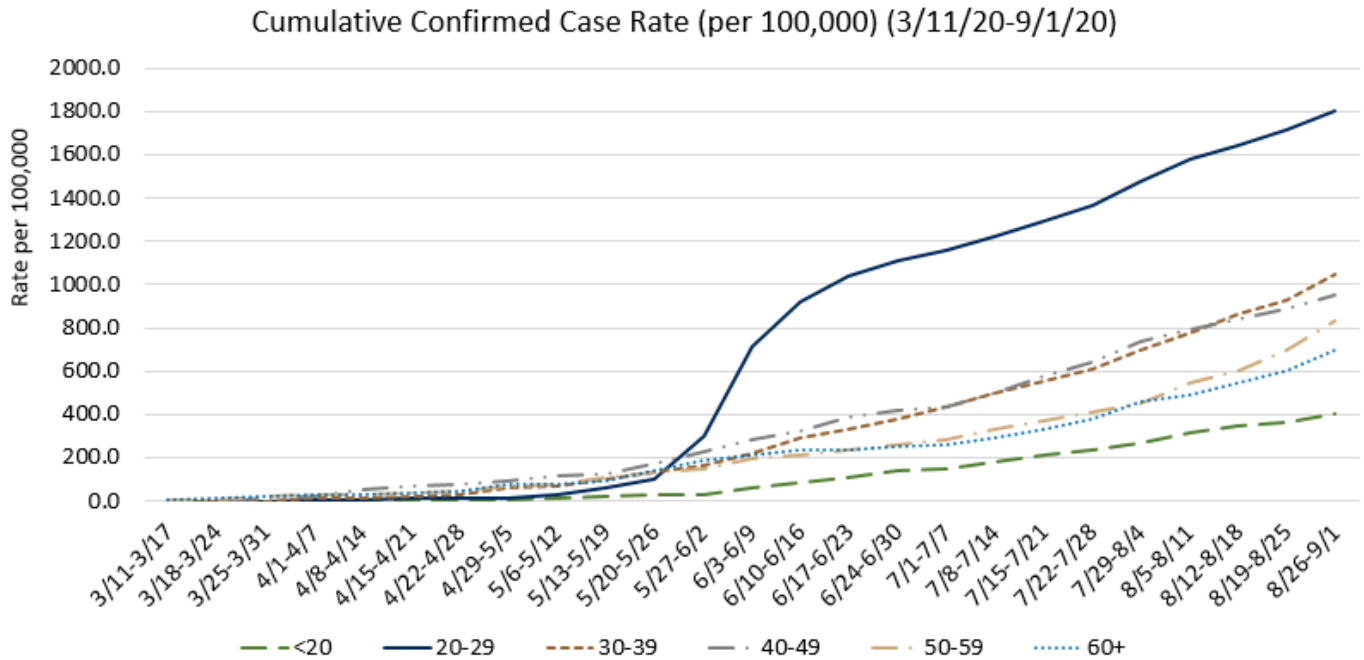
This table shows the case count and case rate by age group for the past two weeks and cumulatively. Over the past two weeks, **individuals aged 50-59 had the highest confirmed case rates.**

Age Group	Past Two Weeks (8/19/20-9/1/20)			Cumulative Confirmed Case Count	Population***
	Case Count	Case Rate (per 100,000)	Percent of Cumulative Cases in that age group		
<20	19	53.0	13.2%	144	35,871
20-29	38	156.4	8.7%	438	24,297
30-39	36	186.8	17.8%	202	19,273
40-49	20	109.5	11.5%	174	18,269
50-59	**52**	**227.8**	27.4%	190	22,826
60+	50	154.5	22.1%	226	32,359

***Age Group Population Data comes from the 2018 census. Total Population size across all age groups differs slightly from total population size used to calculate Winnebago County Health Department jurisdiction case rate (154,379) which was determined using 2019 population data from the WI Department of Administration.

Healthcare Measures for the Fox Valley Area

The Fox Valley Area HERC Region includes Calumet, Green Lake, Outagamie, Shawano, Waupaca, Waushara and Winnebago Counties.

It is vital that healthcare systems have adequate capacity to manage patient care in the context of a surge caused by COVID-19. Through adequate testing, case identification and investigation we can help keep case counts at levels that are manageable by our healthcare systems. When healthcare systems exceed their capacity, the ability to treat severe illness is compromised and patients do worse and/or do not get the care they need to survive the illness. As of 9/1/2020, there are **24 COVID-19 patients hospitalized** in the Fox Valley Area with **1 of those patients in the ICU**. The Fox Valley region has seen a peak of 24 hospitalized patients in the month of August, compared to peaks of 24 in June and 25 in May. However, the region has averaged **19 hospitalized COVID patients per day in August**, compared to averages of only 11 in May, 16 in June and 13 in July. To view more information on healthcare measures in the Fox Valley Area and across the state, please visit https://www.wha.org/COVID19Update
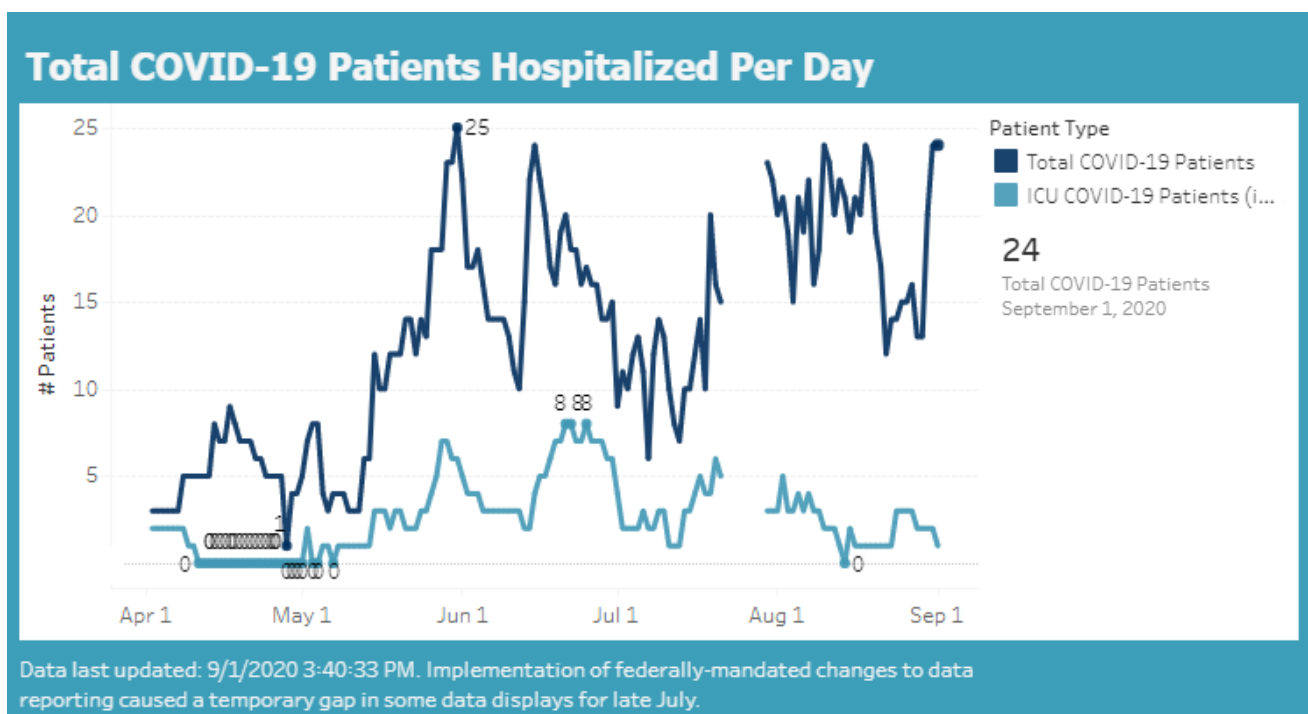
Burden, Trajectory, and Activity Level Across Wisconsin in Past 14 Days

Updated 9/2/2020

The Wisconsin Department of Health Services classifies regions and counties as high, medium, or low activity levels for COVID-19 spread by combining the case burden (case rate) and trajectory (change in cases over time) indicators. The state updates this information weekly on Wednesdays at 2 p.m. As of September 2, 2020, Winnebago County**** and the Fox Valley Region are both classified as having a **high COVID-19 activity level.** To view more information on these metrics, please visit https://www.dhs.wisconsin.gov/covid-19/local.htm

COVID-19 Case Indicators (last 2 weeks)
Updated: 9/2/2020

Select area
- ⦿ County
- ○ HERC Region

Activity level
- ■ High
- ■ Medium

COVID-19 activity level

Highlight area

[Highlight Area   🔍]

Click on a county or region on the map to filter data below.

County: **Winnebago**
COVID-19 Activity Level: **High**
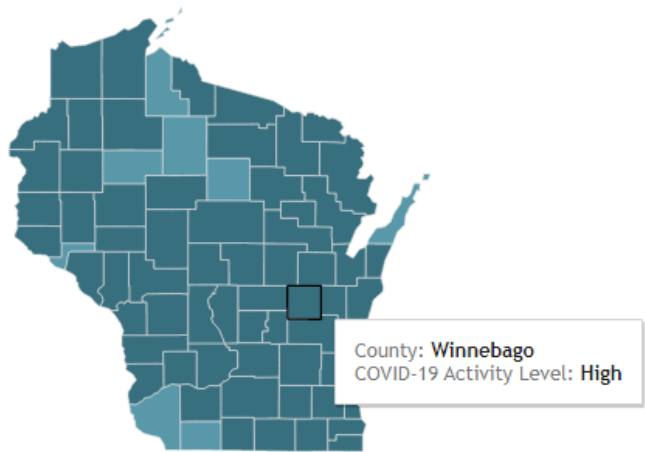
Burden (case rate), trajectory (percent case change), and activity level

Area	Count	Burden		Trajectory	Trend	Activity level	
Winnebago	260	150	High	79	▲	High	■
Fox Valley Area	1159	210	High	60	▲	High	■

A trajectory of N/A means there was no significant change in the percent change in cases for this week compared to the previous week.

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