DANE COUNTY COVID-19 DATA

January 28, 2021 *Data from January 11—January 24*

Takeaway Messages

- There was a significant decrease in cases during this 14-day period and a significant increase in number of tests conducted. Percent positivity is at its lowest level since August.

- Vaccine coverage has substantially increased among ages 65+. Last week, 3.4% of Dane County residents age 65+ had received at least one vaccine dose; this week, coverage has increased to 15.7%. Overall, 8.2% of the Dane County population has received at least one dose of vaccine.

- Since the beginning of the pandemic, there have been a total of 1,488 probable cases of COVID-19 among Dane County residents (compared to 37,600 confirmed cases). 21 people with a probable case have died from COVID-19. We will begin to include probable cases and deaths on our dashboard in the near future; in the meantime, they can be found on the Wisconsin Department of Health Services' website.

Domain	Measure	Dane County Status
Epidemiology: We must have few enough cases of COVID-19 to be swiftly contained. This is an important parameter, and our thresholds for phased reopening are set at levels that align with the progression of our epidemic locally—a lower positivity rate than what is seen at the state level and a low number of cases per 100,000 residents. **For the past 2 weeks, Dane County has a high activity level.**	Percent of total tests that were positive, averaged across most recent 14 day period (goal of <5%)	2.9%
	Number of cases per day, averaged across most recent 14 day period (goal of <5)	135
Healthcare: A sustained, high testing level is a critical metric, as testing is how we detect active infection and prevent transmission of COVID-19. Alongside testing to monitor the course of the epidemic, it is vital that healthcare systems are equipped to manage patient care in the context of a surge caused by COVID-19 as well as protect healthcare workers from infection. For the past 2 weeks, the South Central Region has a shrinking trajectory for COVID patients hospitalized and for COVID patients in the ICU.	Number of tests per day, averaged across most recent 14 day period (goal of >800)	4613
	Hospital staffing shortages: Within this 14 day period, five hospitals in our region reported at least one day of critical staffing shortage. None of these hospitals were within Dane County.	
	Decreasing or stable numbers of infected healthcare workers	✓
Public Health: Our ability to identify and isolate infections is critical to prevent further spread. Through rapid contact tracing, we can identify and notify contacts who have been exposed. Through education and isolation assistance, we can help keep people who test positive and their contacts separated from others for the duration of the infectious period, and lower the risk of spread in the community. Monitoring community spread—the percentage of cases with an unidentified risk factor—is how we can gain a sense of the scale of undetected disease spread.	All positive cases be contacted quickly after their test is collected (goal of 85% contacted within 48 hours) • 76% of positive tests were reported within 24 hours • 59% of cases were interviewed within 24 hours of when their positive test was reported • 79% of cases have been successfully contacted so far	54%
	Proportion of new cases over the most recent 14 day period who don't know where they could have gotten COVID (goal of <20%)	33%
	Downward or stable trajectory of COVID-like syndromic cases reported within this 14 day period	✓

Public Health
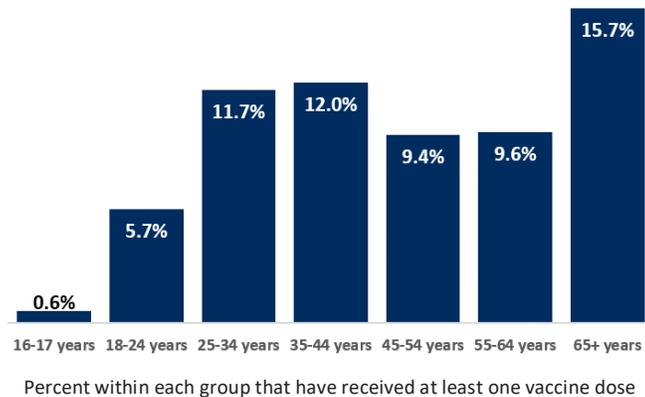MADISON & DANE COUNTY
Healthy people. Healthy places.

DANE COUNTY COVID-19 DATA

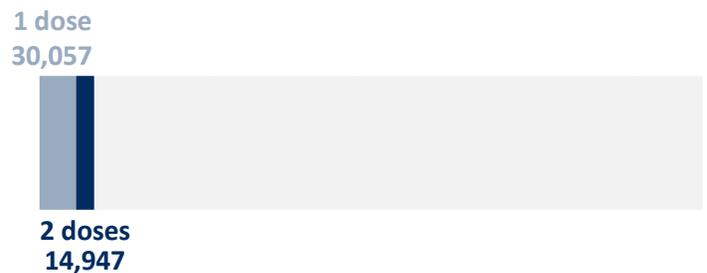## January 28, 2021   *Data from January 11—January 24*

Vaccine

We have begun to receive weekly vaccination data for Dane County residents from the Wisconsin Department of Health Services (DHS). Statewide data can be found on their website. We currently have limited data on our dashboard, but will be adding additional data points, such as the ones included here, in the near future.

Vaccine coverage has substantially increased among ages 65+. Last week, 3.4% of Dane County residents age 65+ had received at least one vaccine dose; this week, coverage has increased to 15.7%. Currently, the vaccine is only available to individuals in Tier 1a (frontline healthcare personnel and residents in long term care facilities), police and fire personnel and correctional staff within Tier 1b, and adults age 65 and older.

Percent within each group that have received at least one vaccine dose

16-17 years	0.6%
18-24 years	5.7%
25-34 years	11.7%
35-44 years	12.0%
45-54 years	9.4%
55-64 years	9.6%
65+ years	15.7%

59,950 doses administered
45,004 people vaccinated
as of 1/28/21

As of January 28, 8.2% of the Dane County population (45,004 people) has received at least one dose of the COVID-19 vaccine. Vaccination began in mid-December, with most vaccinators receiving their first doses in the weeks following. Dane County's vaccination rate is expected to increase once the vaccine supply increases.

1 dose
30,057

2 doses
14,947

Public Health Madison & Dane County is providing COVID-19 vaccines to people age 65+ without a local healthcare provider, and to organizations that have frontline healthcare personnel that are not affiliated with a healthcare system, hospital, or long-term care facility. We vaccinated **2,269 people** between 1/19-1/23 (this can include non-Dane County residents who work in Dane County). We have used every single dose we've gotten from the state.
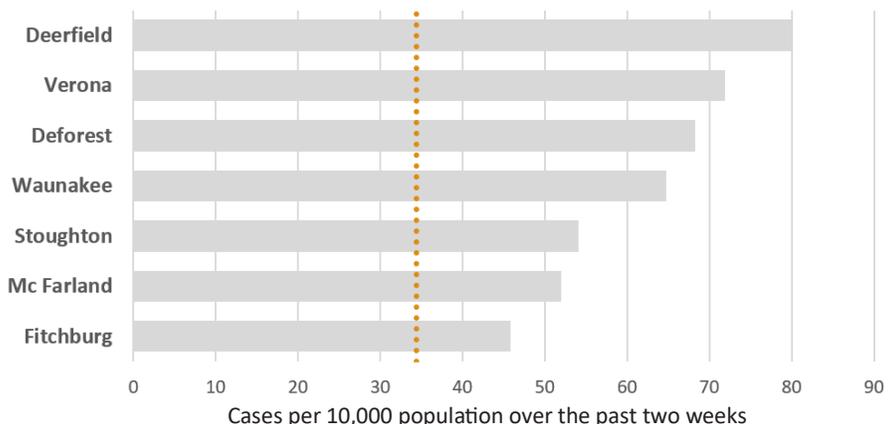
Geography

During this two-week period, 56% of Dane County residents who tested positive resided outside of Madison. The overall rate of cases in Dane County was **34 cases per 10,000** population.

Seven municipalities in Dane County had case rates that were **significantly higher** than the overall **county rate** (see right).

Marshall, Sun Prairie, Madison, and Cottage Grove had significantly lower case rates this week compared to last week.

Municipalities in Dane County with a significantly higher rate of cases than the overall Dane County rate in the past two weeks

Cases per 10,000 population over the past two weeks
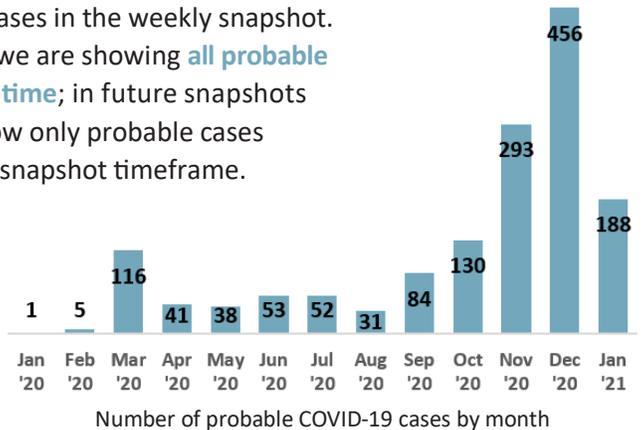
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Probable Cases

Since the beginning of the pandemic, there have been a total of 1,488 probable cases of COVID-19 among Dane County residents. People with probable COVID-19 infection are those who do **not** have a confirmatory polymerase chain reaction (PCR) test, and:

- Have specific symptoms consistent with COVID-19 infection **AND** are either a close contact of a confirmed/probable case or are part of a COVID-19 outbreak, **OR**
- Have a positive antigen test, **OR**
- Have a death certificate that lists COVID-19 as an underlying cause of death or a significant condition contributing to death.

As antigen testing is becoming more common, so are probable cases of COVID-19. We have recently been able to access positive antigen test data for Dane County residents. While we prepare to include probable cases on our dashboard, we will present the number of confirmed and probable cases in the weekly snapshot. This week we are showing all probable cases over time; in future snapshots we will show only probable cases during the snapshot timeframe.

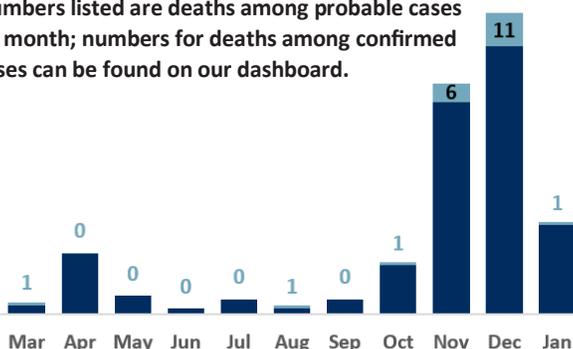Number of probable COVID-19 cases by month

Deaths

There have been 265 Dane County residents who have lost their lives to COVID-19 over the past eleven months. 77% of these deaths have occurred in the past three months.

244 of these deaths were among people with confirmed cases of COVID-19, while 21 of these deaths were among people with a probable case of COVID-19. Currently, our dashboard only displays deaths among people with confirmed cases of COVID-19. We review each death certificate for **all cases** to verify whether the person died due to COVID-19.

Deaths among confirmed cases and probable cases by month of death

Numbers listed are deaths among probable cases by month; numbers for deaths among confirmed cases can be found on our dashboard.

Characteristics of Dane County Resident Confirmed Cases Who Have Died from COVID-19 since December 1, 2020

Of the 116 people who we lost in December and January, two-thirds were residents of a long term care facility. The median age of those who died was 83.5 and the majority were white, non-Latinx.

Female	64 (55%)
Male	52 (45%)
Age 30-39	1 (1%)
Age 40-49	1 (1%)
Age 50-59	6 (5%)
Age 60-69	10 (9%)
Age 70-79	29 (25%)
Age 80-89	39 (34%)
Age 90+	30 (26%)
White, non-Latinx	101 (87%)
Black, non-Latinx	8 (7%)
Latinx, any race	4 (3%)
Asian, non-Latinx	3 (3%)
Hospitalized	65 (56%)
Not Hospitalized	51 (44%)
Resident of a Long Term Care Facility	75 (65%)

The rate of COVID-19 deaths in **Dane County** is **significantly lower** than the rate for Wisconsin overall.

Wisconsin	81.1
Dane County	47.2

Age-adjusted death rate per 100,000 population

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Characteristics of COVID-19 Cases

In this 14-day period there were 1,883 total cases. At least 173 (9%) of these cases were associated with a cluster and/or a facility investigation at a long term care facility, correctional facility, childcare facility, or school.

We define a **cluster** of cases as two or more cases associated with the same location or event around the same time. A **facility investigation** is initiated when there is evidence of a cluster of cases or a strong possibility for a cluster to emerge from a single facility or setting. To learn more about clusters and facility investigations, see our blog post.

Testing characteristics	
Tested by a Public Health Madison & Dane County community test site	828 (44%)
Tested by University Health Services	109 (6%)
Tested at other sites, such as health care settings	946 (50%)
Risk characteristics~	
Household contact with another COVID-19 case*	508 (36%)
Non-household close contact with another case*	423 (30%)
Attended a gathering or party in the past 2 weeks*	436 (31%)
UW college student	132 (7%)
UW college staff	38 (2%)

Category of Cluster/ Facility Investigation	Number of Unique Clusters^	Number of Associated Cases	Number of Facility Investigations (non-clusters)	Number of Associated Cases
Assisted Living	16	47	1	1
Correctional Facility	2	43	-	-
Childcare Facility	10	19 (8 children, 11 adults)	13	14 (7 children, 7 adults)
Skilled Nursing	6	13	1	1
School	5	9 (3 children, 6 adults)	19	26 (12 children, 14 adults)

^Most clusters also receive a facility investigation, e.g., there were 17 total assisted living facility investigations. Overall, there were 48 cases associated with this category.

~Not mutually exclusive categories
*Calculated among 1,424 people fully interviewed so far

Clusters & the Data Snapshot

At this time, we are not including additional cluster data in the Data Snapshot. Although our ability to contact trace and interview cases has improved, cluster data remain incomplete, as cluster data are an underrepresentation of all cases.

In a facility with a cluster, staff may be easily identified as part of that cluster, but clients or customers who are part of that cluster are less likely to be identified. This is because they could have many potential sources of exposure (or many places they went while they were infectious), and close contact between staff and customers, or between customers and other customers, can be difficult to identify. We also don't always have details on all the specific places people went or the specific dates and times they were there.

We are seeing similar clusters to those seen throughout the country. CDC has recently published national examples of clusters we see here related to workplaces, hockey, and assisted living facilities. We've seen clusters in all of these settings in Dane County.

The categories of assisted living, skilled nursing, correctional facilities, childcare, and schools are reported differently than other categories, which is why we continue to report on clusters and facility investigations in these facilities. One case in these facilities results in an investigation, thus they are more straightforward to track and report.