

This MDH Weekly COVID-19 Report presents data in an easy to interpret way and enhances the information provided in the daily Situation Update for COVID-19 web page with situational insights as well as trends over time.



health.mn.gov/coronavirus

#### More MN COVID-19 data and statistics:

Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html) - updated daily at 11 a.m.

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# About Minnesota COVID-19 Data

- Data is for cases that were tested and returned positive.
  - At-home test results are not counted by MDH.
  - Many people with COVID-19 are not tested, so the cases in this report represent only a fraction of the total number of cases in Minnesota.
- All data is preliminary and may change as cases are investigated.
  - Many data points are collected during case interviews.
     Data presented below is for all cases, regardless of interview status. Data for cases pending interview may be listed as "unknown/missing".
  - As of 10/28/21, case interviews are prioritized.
     Priority groups include people under 18 years old,
     hospitalizations, deaths, and people with vaccine
     breakthrough or variants. Therefore, not all cases
     were contacted for interview.
- Minnesota uses the CSTE standardized surveillance case definition.
  - A person is counted as having a reinfection if they test positive (confirmed or probable) for COVID-19 more than 90 days after a previous lab-confirmed case. Cases include reinfections unless otherwise noted.
  - Positive PCR test results are considered confirmed cases. Positive antigen test results are considered probable cases. All probable cases get the same public health follow up and recommendations as cases confirmed by PCR tests. Total cases includes confirmed and probable cases unless otherwise noted.
  - A person with a positive PCR test result following a positive antigen test result would move from being a probable case to a confirmed case.
- Weekly data is reported by MMWR week, which is the week of the year assigned by the National Notifiable Diseases Surveillance System for the purposes of disease reporting and publishing.
- Numbers listed as cumulative total are cumulative since 1/20/20 for confirmed (PCR) tests and cases, and since 9/1/20 for probable (antigen) tests and cases, unless specified otherwise.

### **COVID-19 Overview Summary**



(cumulative)

1,311,059
Total Confirmed Cases (PCR positive)

(cumulative)

214,059
Total Probable Cases (Antigen positive)

(cumulative)

65,116 Total Hospitalizations

(cumulative)

11,782

Total ICU Hospitalizations (cumulative)

12,701

Total Deaths (cumulative)

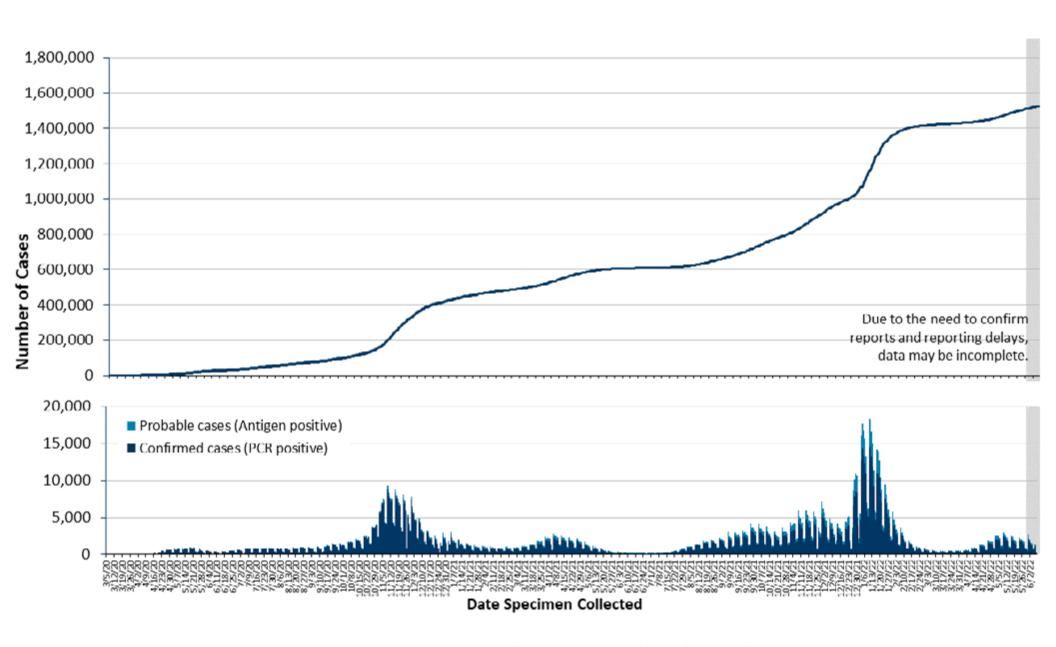
1,499,722
Total No Longer Needing Isolation

(cumulative)

#### Positive COVID-19 Cases

Total positive cases are represented by the date of positive specimen collection.

1,525,118
Total Positive Cases,
including Reinfections
(cumulative)



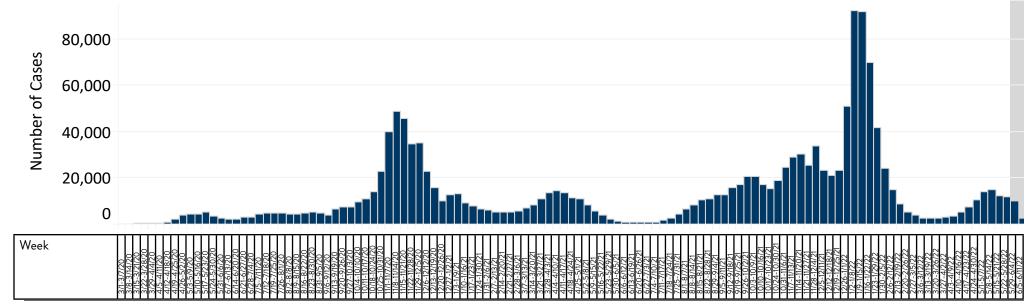
■ Tables of current data: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

#### New Cases by Week, 7-Day Average

Cases by week of specimen collection date, and 7-day moving average of new cases.

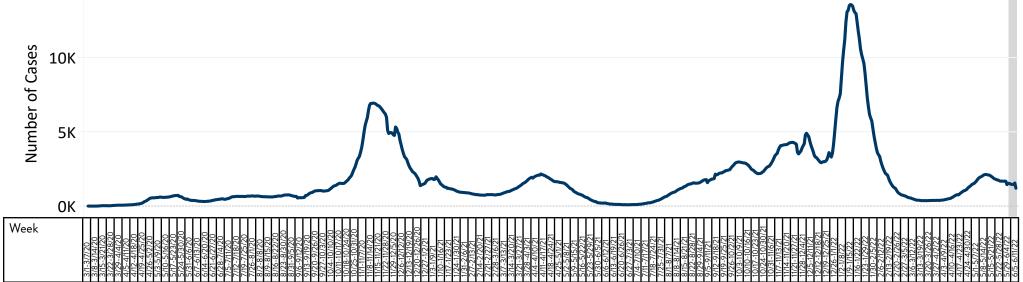


Due to the need to confirm reports and reporting delays, data may be incomplete



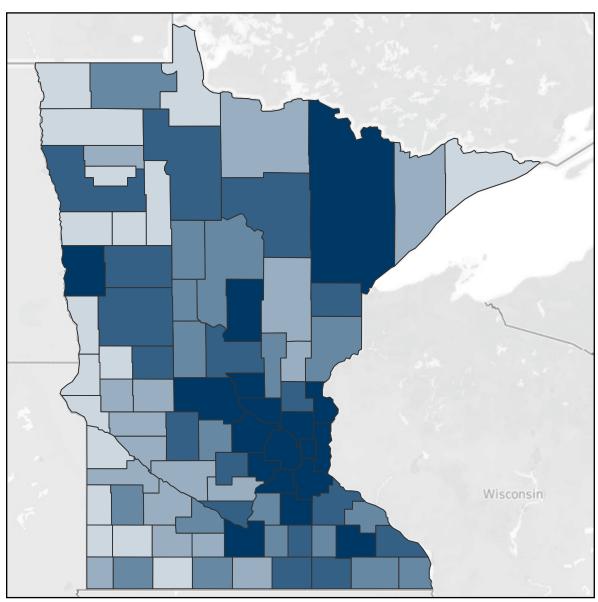
Downloadable CSV file with current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)





Cases by County of Residence

Cumulative number of positive cases by county of residence, cases no longer needing isolation. Cases no longer needing isolation represents individuals with COVID-19 who no longer need to self-isolate. MDH does not track cases over time to determine whether they have fully recovered.



- Up to date data for this chart is provided in the Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)
- Confirmed cases by USPS zip code of residence is available as a downloadable CSV file at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

#### 1,525,118 Total Positive Cases (cumulative)

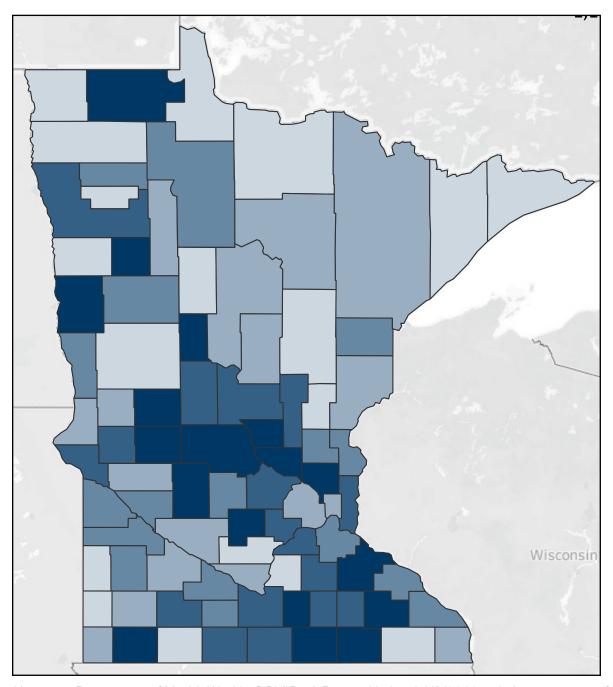
1,499,722 No Longer Needing Isolation (cumulative)

County	Cases	Cases no longer	County	Cases	Cases no longer	
,	(cumulative)	needing isolation	, i	(cumulative)	needing isolation	
Aitkin	3,143	3,043	Martin	5,786	5,695	
Anoka	103,350	101,825	McLeod	11,082	10,870	
Becker	9,126	8,975	Meeker	6,136	6,008	
Beltrami	12,397	12,194	Mille Lacs	7,507	7,361	
Benton	14,670	14,390	Morrison	9,456	9,314	
Big Stone	1,452	1,435	Mower	12,309	12,157	
Blue Earth	18,705	18,487	Murray	2,073	2,037	
Brown	6,763	6,641	Nicollet	8,573	8,425	
Carlton	9,572	9,390	Nobles	7,037	6,950	
Carver	28,242	27,900	Norman	1,571	1,546	
Cass	7,307	7,169	Olmsted	45,353	44,694	
Chippewa	3,221	3,141	Otter Tail	14,026	13,791	
Chisago	15,194	14,970	Pennington	3,760	3,705	
Clay	20,535	20,301	Pine	7,418	7,308	
Clearwater	2,196	2,157	Pipestone	2,034	1,996	
Cook	625	613	Polk	9,095	8,948	
Cottonwood	3,281	3,227	Pope	3,275	3,191	
Crow Wing	16,677	16,403	Ramsey	134,088	131,304	
Dakota	117,485	115,613	Red Lake	959	944	
Dodge	6,019	5,966	Redwood	4,056	3,970	
Douglas	11,435	11,210	Renville	3,845	3,776	
Faribault	3,939	3,862	Rice	18,729	18,472	
Fillmore	5,040	4,981	Rock	2,364	2,317	
Freeborn	9,385	9,268	Roseau	4,589	4,531	
Goodhue	13,929	13,707	Scott	42,370	41,801	
Grant	1,532	1,514	Sherburne	28,165	27,863	
Hennepin	325,959	319,916	Sibley	3,686	3,626	
Houston	4,790	4,733	St. Louis	50,776	49,720	
Hubbard	5,093	5,016	Stearns	52,928	52,156	
Isanti	10,490	10,315	Steele	10,830	10,716	
Itasca	11,598	11,328	Stevens	2,783	2,740	
Jackson	2,201	2,168	Swift	2,362	2,318	
Kanabec	3,677	3,588	Todd	7,064	6,951	
Kandiyohi	13,920	13,690	Traverse	884	870	
Kittson	1,073	1,033	Wabasha	5,934	5,882	
Koochiching	2,959	2,865	Wadena	4,366	4,269	
Lac qui Parle	1,808	1,766	Waseca	5,714	5,639	
Lake	2,229	2,168	Washington	71,444	70,330	
Lake of the Woods	800	788	Watonwan	3,031	2,990	
Le Sueur	6,706	6,621	Wilkin	1,694	1,658	
Lincoln	1,238	1,227	Winona	13,624	13,424	
Lyon	7,239	7,135	Wright	37,886	37,396	
Mahnomen	1,848	1,817	Yellow Medicine	2,624	2,583	
Marshall	2,148	2,116	Unknown/missing	836	808	

# Cumulative Case Rate by County of Residence

2,759 cases per 10,000 people

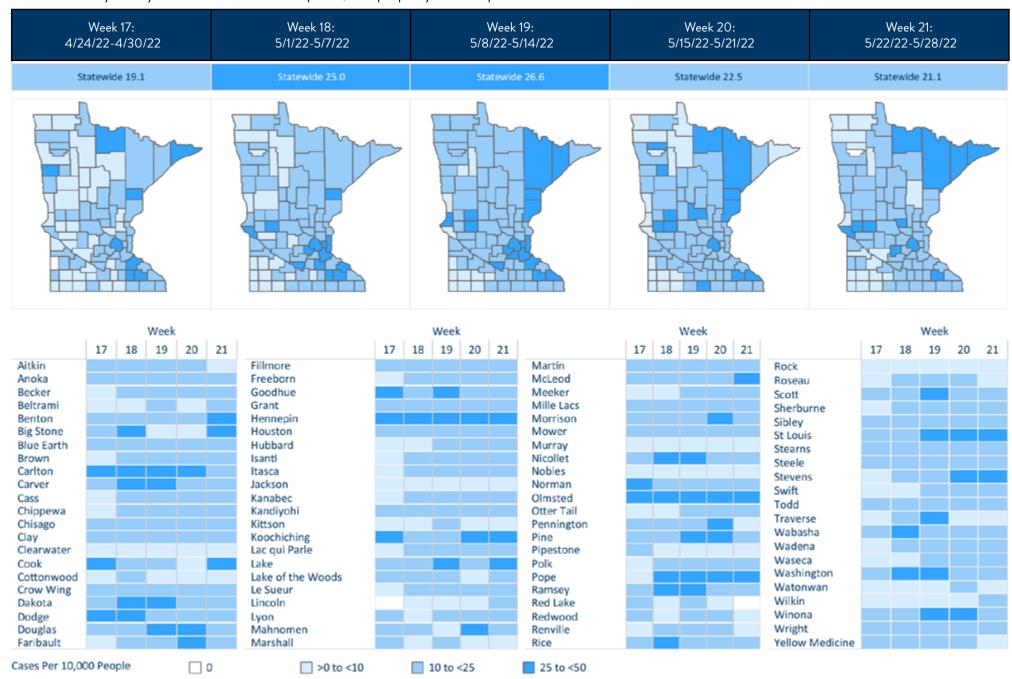
Cumulative number of cases by county of residence per 10,000 people.



		cases per 10,000 people		
County	Cumulative Rate	County	Cumulative Rate	
Aitkin	1,985	Martin	2,898	
Anoka	2,975	McLeod	3,093	
Becker	2,702	Meeker	2,659	
Beltrami	2,688	Mille Lacs	2,918	
Benton	3,688	Morrison	2,870	
Big Stone	2,895	Mower	3,108	
Blue Earth	2,820	Murray	2,482	
Brown	2,683	Nicollet	2,538	
Carlton	2,693	Nobles	3,222	
Carver	2,813	Norman	2,395	
Cass	2,518	Olmsted	2,963	
Chippewa	2,682	Otter Tail	2,419	
Chisago	2,776	Pennington	2,651	
Clay	3,270	Pine	2,547	
Clearwater	2,492	Pipestone	2,214	
Cook	1,177	Polk	2,879	
Cottonwood	2,885	Pope	2,983	
Crow Wing	2,612	Ramsey	2,476	
Dakota	2,809	Red Lake	2,393	
Dodge	2,924	Redwood	2,646	
Douglas	3,074	Renville	2,612	
Faribault	2,835	Rice	2,848	
Fillmore	2,413	Rock	2,511	
Freeborn	3,074	Roseau	2,968	
Goodhue	3,014	Scott	2,955	
Grant	2,580	Sherburne	3,021	
Hennepin	2,638	Sibley	2,472	
Houston	2,567	St. Louis	2,538	
Hubbard	2,441	Stearns	3,375	
Isanti	2,692	Steele	2,953	
İtasca	2,566	Stevens	2,844	
Jackson	2,191	Swift	2,510	
Kanabec	2,298	Todd	2,890	
Kandiyohi	3,263	Traverse	2,649	
Kittson	2,474	Wabasha	2,760	
Koochiching	2,340	Wadena	3,199	
Lac qui Parle	2,669	Waseca	3,038	
Lake	2,109	Washington	2,820	
Lake of the Woods	2,100	Watonwan	2,762	
Le Sueur	2,396	Wilkin	2,671	
Lincoln	2,169	Winona	2,679	
Lyon	2,802	Wright	2,854	
Mahnomen	3,356	Yellow Medicine	2,659	
Marshall	2,287		,,,,,	
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#### Weekly Case Rate by County of Residence

Number of cases by county of residence in Minnesota per 10,000 people by week of specimen collection.



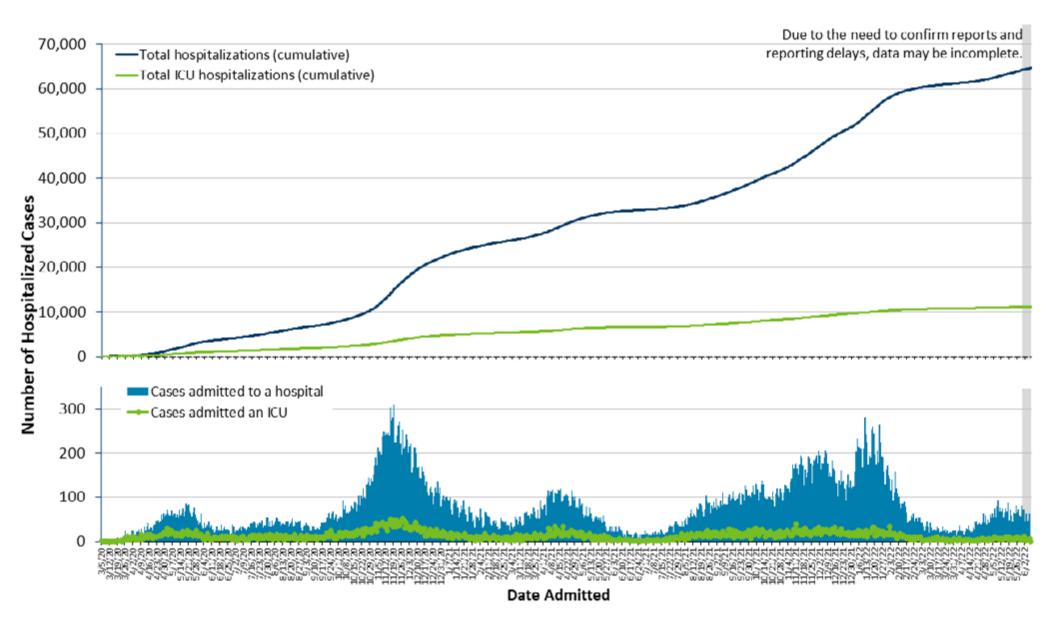
Downloadable CSV file of current data for these maps is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

# Hospitalizations, ICU Hospitalizations

65,116
Total Hospitalizations
(cumulative)

11,782
Total ICU Hospitalizations
(cumulative)

Hospitalization data show how many people required admission to a hospital and ICU. Admissions include all Minnesota cases regardless of location of hospitalization. Cases in residents of other states hospitalized in Minnesota are not included.

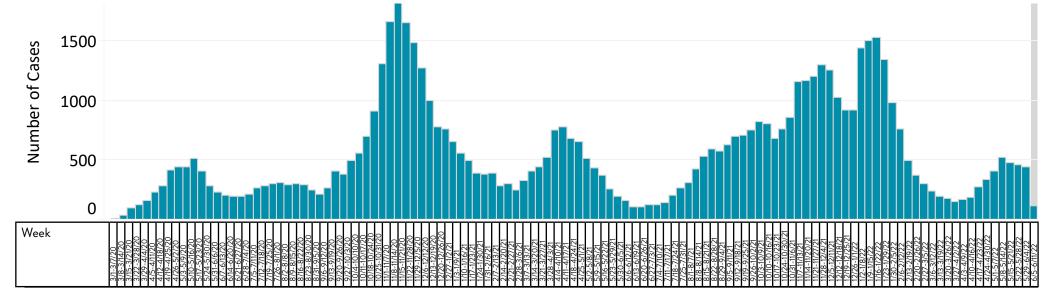


<sup>■</sup> Tables of current data: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

#### Hospitalizations by Week, 7-Day Average

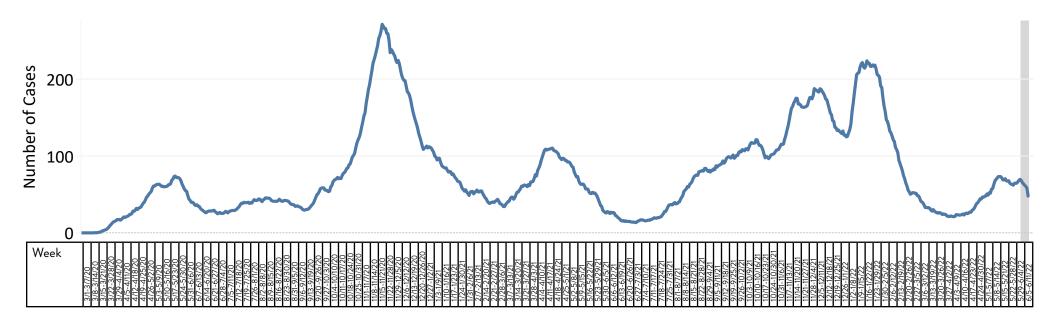
Cases by week of initial hospitalization, and 7-day moving average of new hospitalizations.





Downloadable CSV file with current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

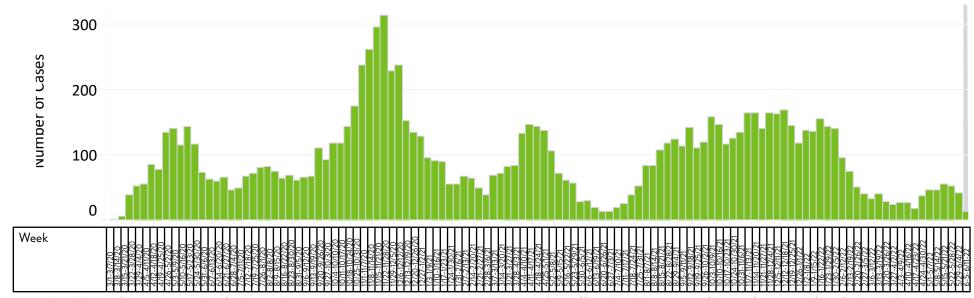
#### Seven Day Moving Average of New Hospitalizations



### ICU Hospitalizations by Week, 7-Day Average

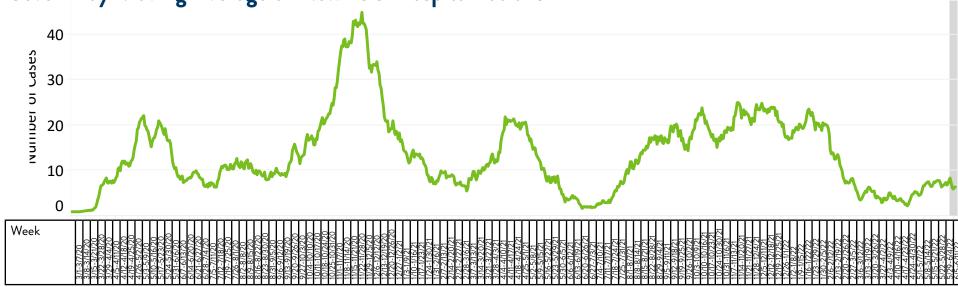
Cases by week of ICU hospital admission, and 7-day moving average of new ICU hospitalizations.

#### New ICU Hospitalizations by Week of First ICU Hospital Admission



<sup>■</sup> Downloadable CSV file with current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

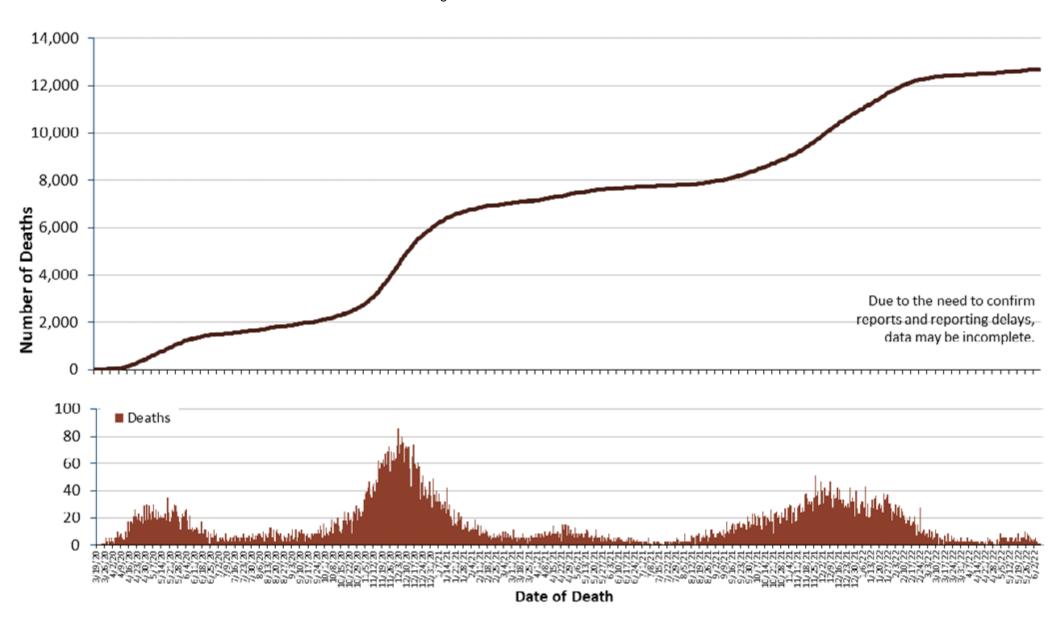




#### **COVID-19 Deaths**

12,701
Total Deaths
(cumulative)

Total deaths (also known as total deaths with laboratory testing) are deaths due to COVID-19 with a positive PCR test (confirmed case) or antigen test (probable case) for SARS-CoV-2, and either COVID-19 is listed on the death certificate or clinical history/autopsy findings that provide evidence that the death is related to COVID-19 without an alternative cause (i.e. drowning, homicide, trauma, etc.).

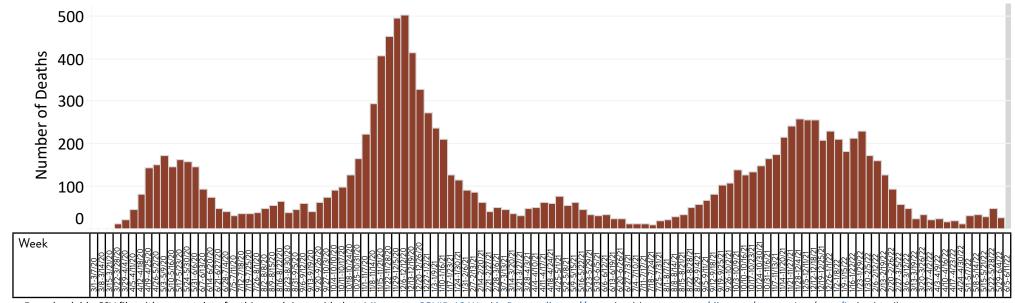


■ Tables of current data and more information about deaths: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

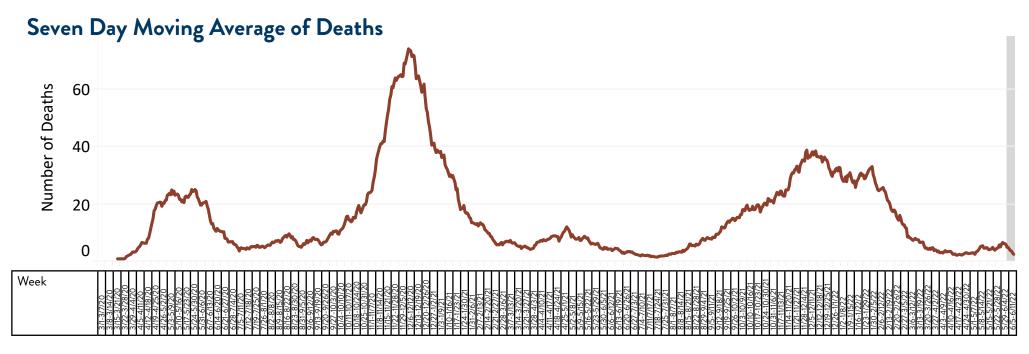
### Deaths by Week, 7-Day Average

Cases by week of death, and 7-day moving average of deaths.

#### Deaths by Week of Death

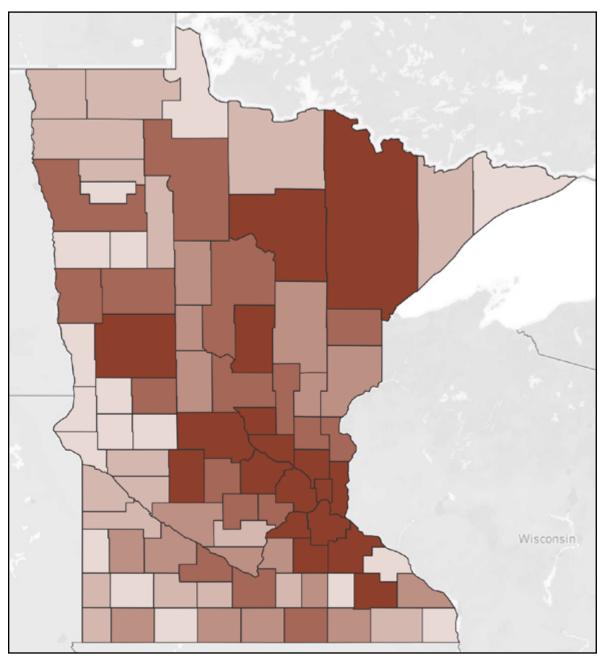


<sup>■</sup> Downloadable CSV file with current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)



### Deaths by County of Residence

Cumulative number of deaths by county of residence.



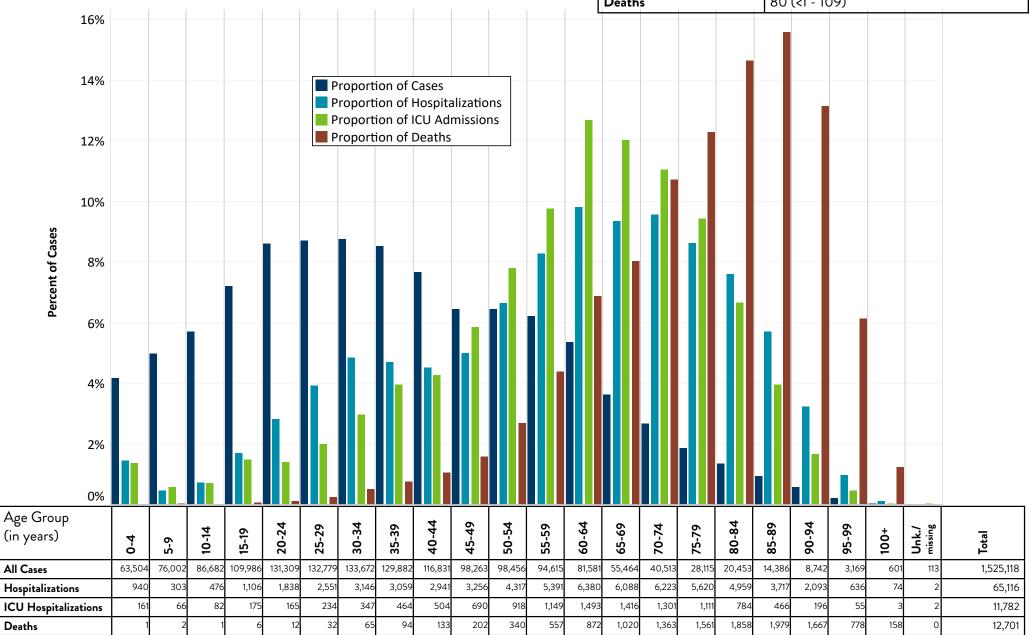
■ Up to date data for this chart is provided in the Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

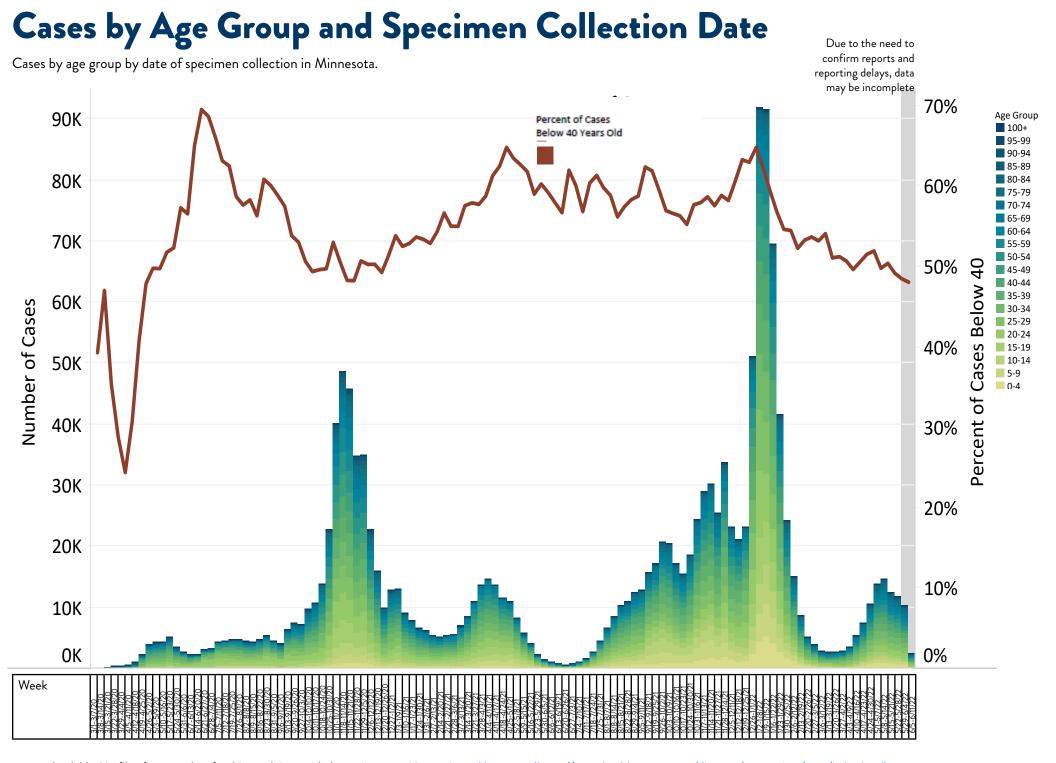
Total Death's (cumu				
County	Deaths (cumulative)	County	Deaths (cumulative)	
Aitkin	62	Martin	65	
Anoka	804	McLeod	108	
Becker	95	Meeker	75	
Beltrami	128	Mille Lacs	115	
Benton	175	Morrison	105	
Big Stone	9	Mower	74	
Blue Earth	103	Murray	17	
Brown	81	Nicollet	66	
Carlton	98	Nobles	60	
Carver	119	Norman	14	
Cass	82	Olmsted	190	
Chippewa	48	Otter Tail	170	
Chisago	120	Pennington	41	
Clay	125	Pine	68	
Clearwater	30	Pipestone	34	
Cook	4	Polk	109	
Cottonwood	41	Pope	18	
Crow Wing	172	Ramsey	1,365	
Dakota	788	Red Lake	13	
Dodge	21	Redwood	54	
Douglas	117	Renville	56	
Faribault	54	Rice	179	
Fillmore	24	Rock	35	
Freeborn	76	Roseau	45	
Goodhue	138	Scott	262	
Grant	12	Sherburne	182	
Hennepin	2,618	Sibley	25	
Houston	20	St. Louis	540	
Hubbard	60		340	
Isanti		Stearns		
	118	Steele	63	
Itasca	148	Stevens	14	
Jackson	17	Swift	33	
Kanabec	57	Todd	61	
Kandiyohi	141	Traverse	10	
Kittson	28	Wabasha	19	
Koochiching	37	Wadena	55	
Lac qui Parle	29	Waseca	39	
Lake	29	Washington	489	
Lake of the Woods	6	Watonwan	24	
Le Sueur	51	Wilkin	22	
Lincoln	6	Winona	74	
Lyon	74	Wright	306	
		Wright Yellow Medicine	306 29	

Demo	grap	hic	cs: /	Age
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Cumulative number of cases, hospitalizations, and deaths by age group, median age, and age range.

	Median Age (Range) in Years
All Cases	36 (<1 month - 113)
Non-Hospitalized Cases	35 (<1 month - 113)
Hospitalizations	62 (<1 month - 105)
ICU Hospitalizations	63 (<1 month - 105)
Deaths	80 (<1 - 109)



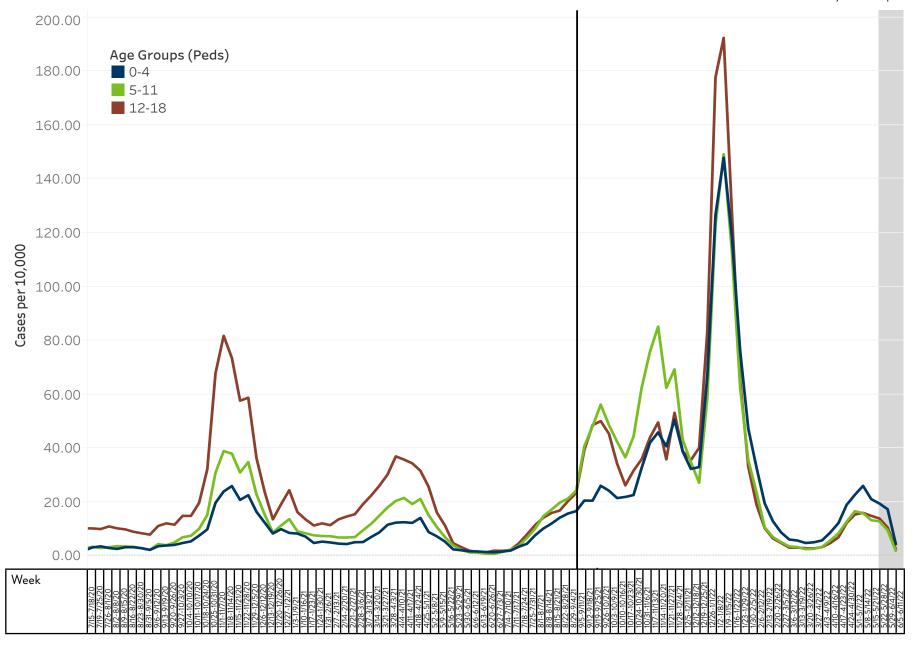


Downloadable CSV file of current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

#### Case Rate in Children by Specimen Collection Date

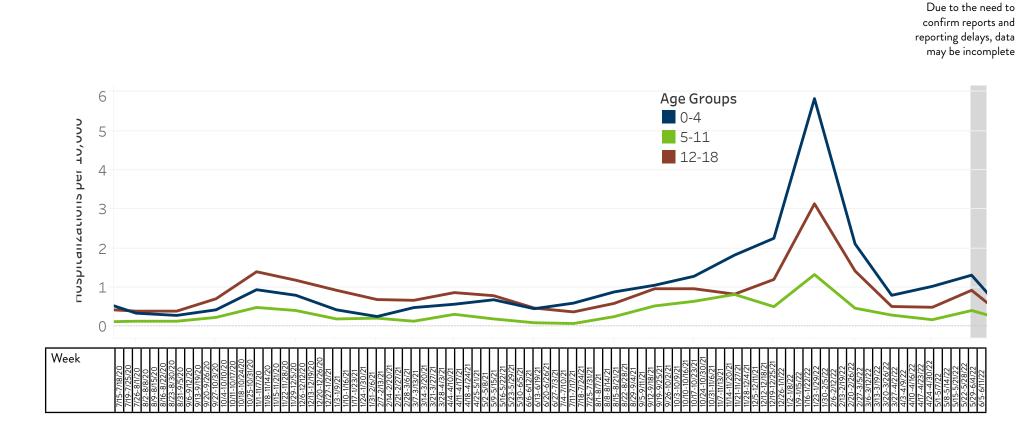
Cases by age group for children in Minnesota (cases 18 years of age and under) per 10,000 people by date of specimen collection.

Due to the need to confirm reports and reporting delays, data may be incomplete



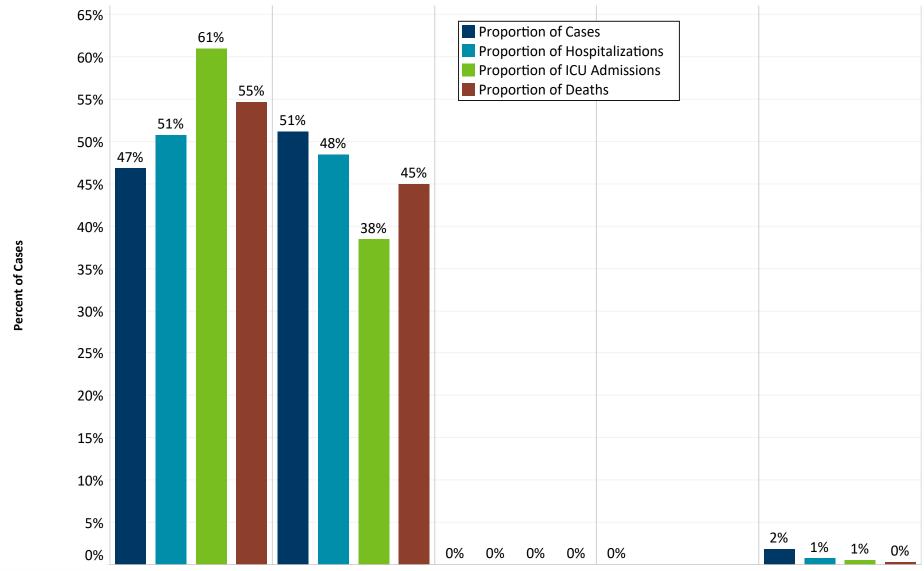
### Hospitalization Rate in Children by Specimen Collection Date

Hospitalizations by age group for children in Minnesota (cases 18 years of age and under) per 10,000 people by date of specimen collection.



# Demographics: Gender

Cumulative number of cases, hospitalizations, and deaths by gender. Gender is collected during case interview and is self-reported.



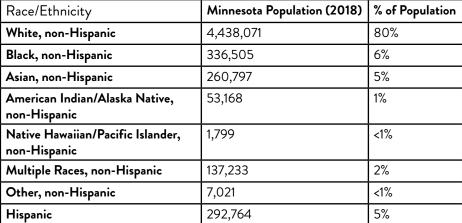
Gender	Male	Female	Other	Unk./missing	Total
All Cases	714,923	781,357	294	28,544	1,525,118
Hospitalizations	33,045	31,543	7	521	65,116
ICU Hospitalizations	7,185	4,529	3	65	11,782
Deaths	6,948	5,712	0	41	12,701

# Demographics: Race & Ethnicity

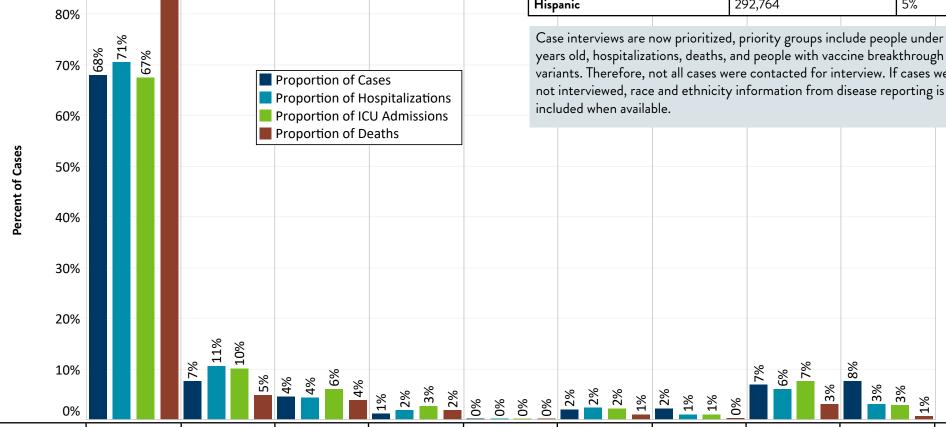
Cumulative number of cases, hospitalizations, and deaths by race and ethnicity. Race and ethnicity is reported during case interview. Individuals who report more than one race are categorized into the multiple race category.

85%

90%



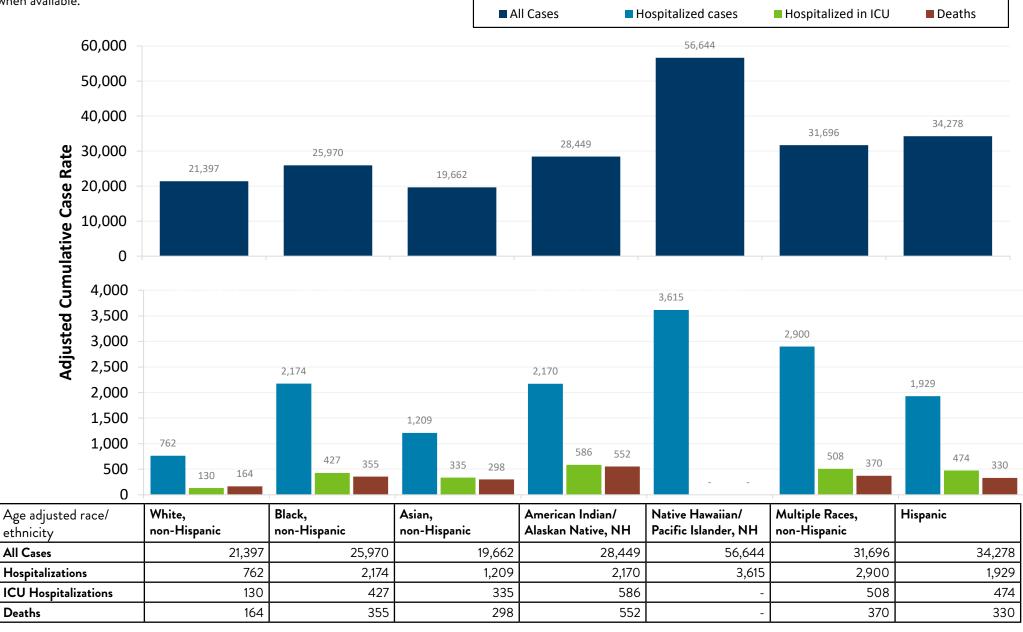
Case interviews are now prioritized, priority groups include people under 18 years old, hospitalizations, deaths, and people with vaccine breakthrough or variants. Therefore, not all cases were contacted for interview. If cases were



Race/ethnicity	White,	Black,	Asian,	Amer. Indian/	Native HI/	Multiple Races,	Other,	Hispanic	Unknown/	Total
,	non-Hispanic	non-Hispanic	non-Hispanic	AK Native, NH	Pacific Isl., NH	non-Hispanic	non-Hispanic		missing	
All Cases	1,036,074	114,237	68,047	19,161	1,873	31,201	33,940	104,164	116,421	1,525,118
Hospitalizations	45,926	6,850	2,824	1,246	93	1,496	695	3,981	2,005	65,116
ICU Hospitalizations	7,943	1,183	711	325	18	263	126	883	330	11,782
Deaths	10,734	620	482	244	15	118	36	375	77	12,701

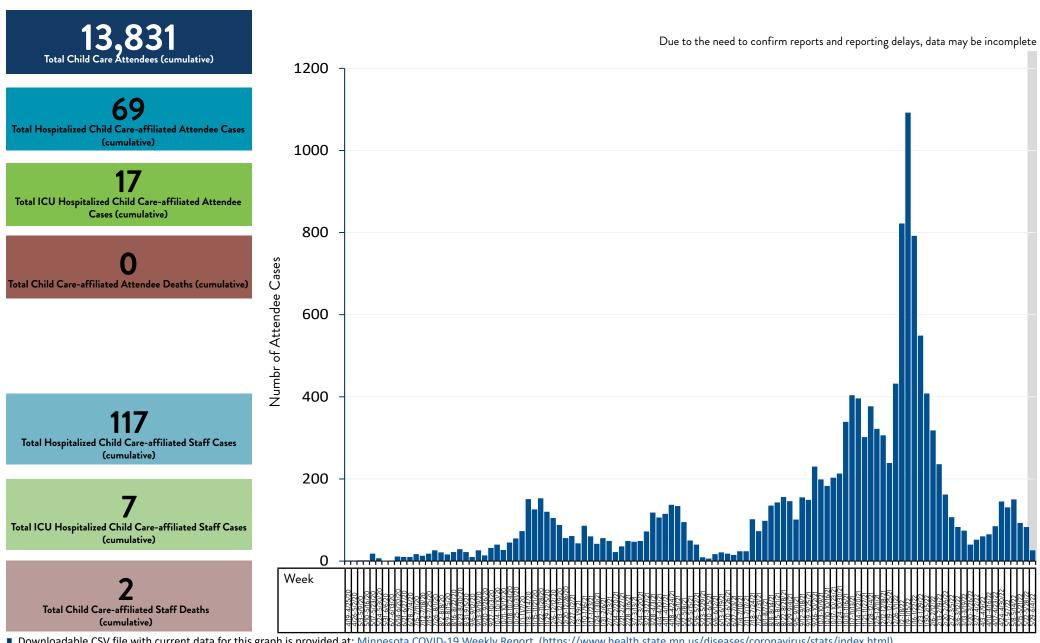
### Age-Adjusted Race & Ethnicity Rates

Age-adjusted rates allow us to compare rates for racial and ethnic groups that have very different age distributions in Minnesota; they essentially allow us to look at what the rates would be if the underlying population age distribution was the same for all races. Rates have been suppressed when total cases are less than 25. Cumulative case rate is the number of cases by race or ethnicity per 100,000 people in Minnesota. Case interviews are now prioritized, priority groups include people under 18 years old, hospitalizations, deaths, and people with vaccine breakthrough or variants. Therefore, not all cases were contacted for interview. If cases were not interviewed, race and ethnicity information from disease reporting is included when available.



# Potential Exposure in Child Care and Youth Serving Programs

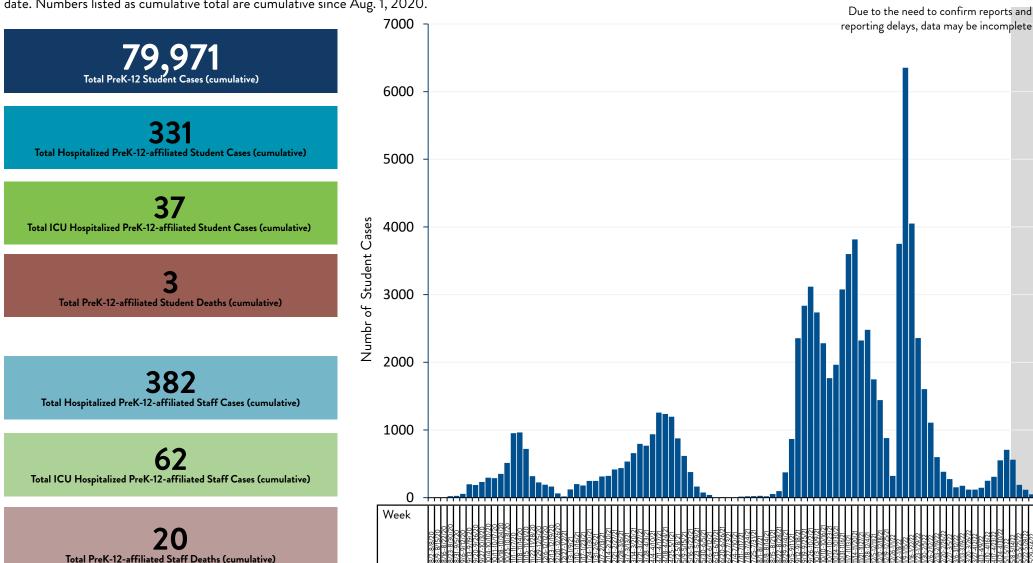
Cases of COVID-19 among children and youth with potential exposure in a child care or youth serving program setting outside of their home and outside of the K-12 instructional day by specimen collection date. Data also include hospitalizations, ICU hospitalizations, and deaths of attendees and staff associated with these settings. All adult cases are not routinely interviewed. Child and youth-serving programs included: licensed child care centers, certified centers, summer day camps, and school-age care during peacetime emergency. Does not include in-home child cares. Cases by week are by specimen collection date.



Downloadable CSV file with current data for this graph is provided at: Minnesota COVID-19 Weekly Report

# Student Cases Associated with Pre-K through Grade 12 School Buildings

Cases of COVID-19 associated with students attending school and hospitalizations, ICU hospitalizations, and deaths of staff working at a prekindergarten through grade 12 building while they were able to spread COVID-19. All adult cases are not routinely interviewed. These numbers include cases exposed in a school setting, cases exposed in other settings, and cases where the exposure setting was not confirmed. All Minnesota schools are represented including public, nonpublic, and tribal schools. Cases by week are by specimen collection date. Numbers listed as cumulative total are cumulative since Aug. 1, 2020.



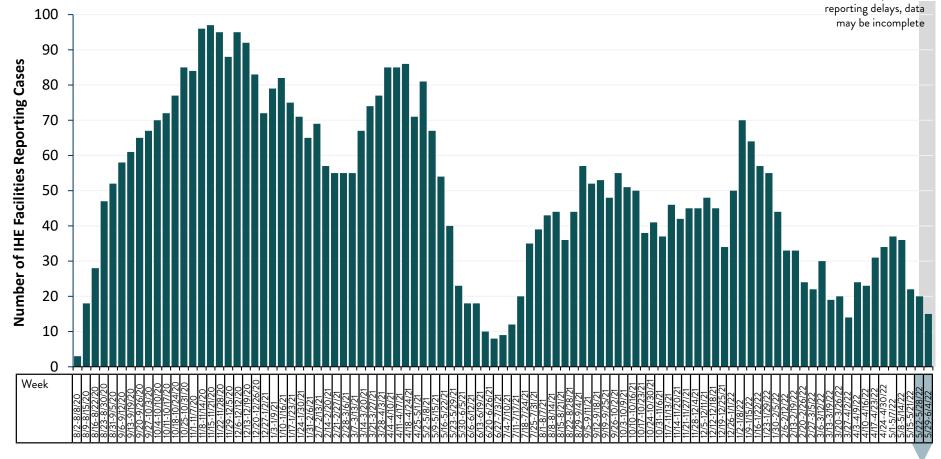
- A list of School buildings reporting 5 or more cases of COVID-19 in students who were in the building while infectious during a two-week reporting period by county is available in the COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)
- Downloadable CSV file with current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

# Minnesota IHE Facilities Reporting Cases

Number of Institutions of Higher Education (IHE) that have reported cases of COVID-19 in faculty, staff, and students working or enrolled at a Minnesota IHE (e.g. colleges, universities, community and technical colleges, private career schools). Number of IHEs reporting cases by week are by specimen collection date. Numbers listed as cumulative total are cumulative since Aug. 1, 2020.

Total IHE Facilities that have Reported at Least One Case (cumulative)

> Due to the need to confirm reports and



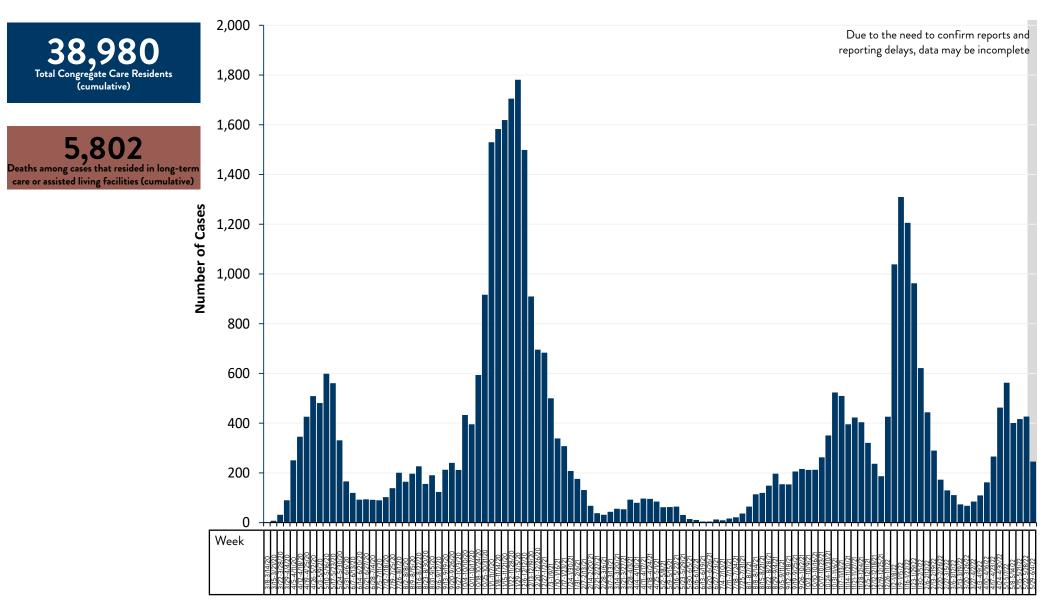
This information is no longer collected for all cases.

Cases per IHE facility	Number of IHEs reporting cases 5/22-6/4/22
1-10 cases	23
11-30 cases	1
31-99 cases	0
≥100 cases	1
Total	25

Downloadable CSV file with current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

# Resident Cases Associated with Congregate Care Settings

Cases of COVID-19 associated with residents living in congregate settings by specimen collection date. Congregate care settings include nursing homes, assisted living-type facilities, group homes, and other communal-living settings with a healthcare component.

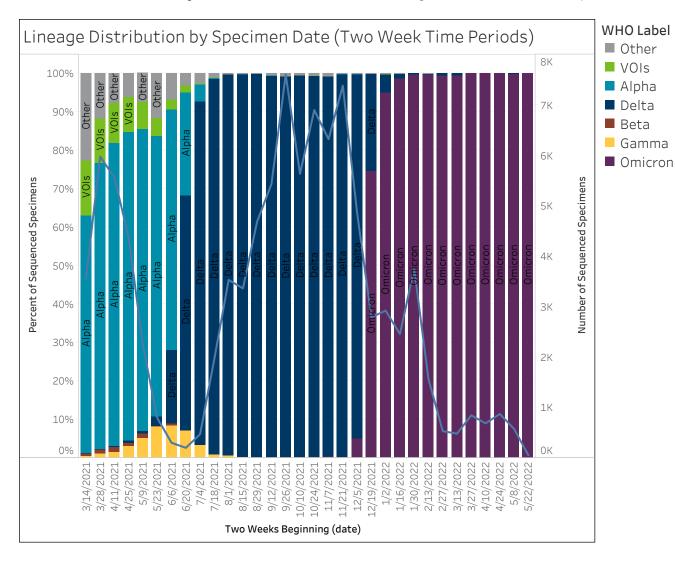


- A list of congregate care facilities reporting an exposure in the last 28 days from a case in a resident, staff person, or visiting provider and a cumulative list of long-term care facilities reporting a case in a resident, staff person, or visiting service provider are available on: Minnesota Situation Update for Coronavirus Disease 2019 (https://www.health.state.mn.us/diseases/coronavirus/situation.html)
- Downloadable CSV file with current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

## SARS-CoV-2 Variants Circulating in Minnesota

Lineage distribution of SARS-CoV-2 variants in Minnesota. The line indicates number of specimens sequenced, while the bars show proportions of each variant identified.

SARS-CoV-2 Variants of Concern (VOC) are named using the World Health Organization (WHO) naming conventions, Variants of Interest (VOI) are included as a group. More information about naming variants can be found at <a href="https://www.who.int/en/activities/tracking-SARS-CoV-2-variants/">WHO: Tracking SARS-CoV-2-variants/</a>)

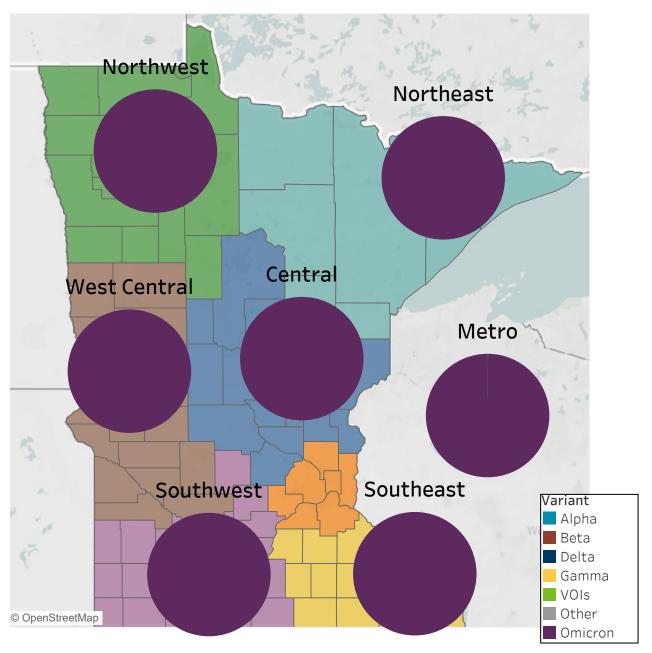


Variant Distribution Since 4/24/2022*						
Delta	B.1.617.2	0.07%				
Omicron	B.1.1.529	99.93%				

<sup>\*</sup>All VOI and VOC are included in this list, as well as any lineages that account for ≥1% of all specimens sequenced since 4/24/2022. All other lineages are included in the 'Other' category.

#### SARS-CoV-2 Variants by Region

This map shows the distribution of variants across regions in the past 30 days for the cases that have been sequenced.

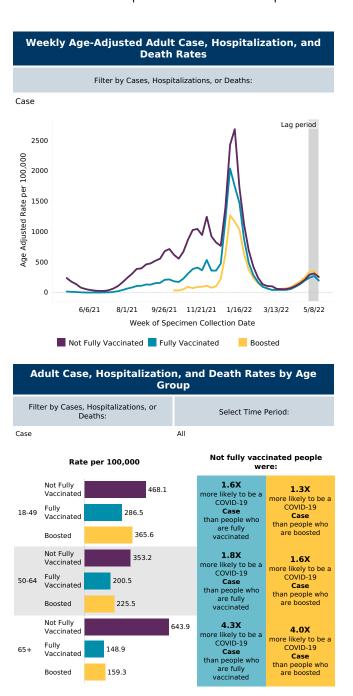


Region & Variant	Variant %	Region & Variant	Variant %	
Northwest		Northeast		
Alpha	0.00%	Alpha	0.00%	
Beta	0.00%	Beta	0.00%	
Delta	0.00%	Delta	0.00%	
Gamma	0.00%	Gamma	0.00%	
Omicron	100.00%	Omicron	100.00%	
Other	0.00%	Other	0.00%	
VOIs	0.00%	VOIs	0.00%	
West Central		Central		
Alpha	0.00%	Alpha	0.00%	
Beta	0.00%	Beta	0.00%	
Delta	0.00%	Delta	0.00%	
Gamma	0.00%	Gamma	0.00%	
Omicron	100.00%	Omicron	100.00%	
Other	0.00%	Other	0.00%	
VOIs	0.00%	VOIs	0.00%	
Southwest		Southeast		
Alpha	0.00%	Alpha	0.00%	
Beta	0.00%	Beta	0.00%	
Delta	0.00%	Delta	0.00%	
Gamma	0.00%	Gamma	0.00%	
Omicron	100.00%	Omicron	100.00%	
Other	0.00%	Other	0.00%	
VOIs	0.00%	VOIs	0.00%	
Metro				
Alpha	0.00%			
Beta	0.00%			
Delta	0.11%			
Gamma	0.00%			
Omicron	99.89%			
Other	0.00%			
VOIs	0.00%			

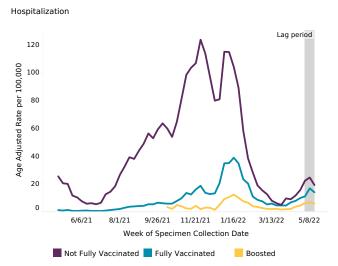
A map of counties included in regions can be found at Map of Field Services Epidemiologists (https://www.health.state.mn.us/about/org/idepc/epis.html).

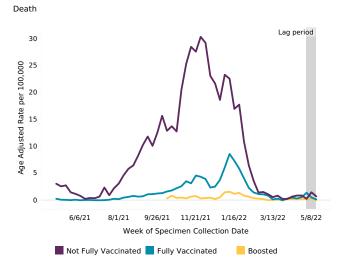
# Adult (age 18+) Vaccine Breakthrough Data

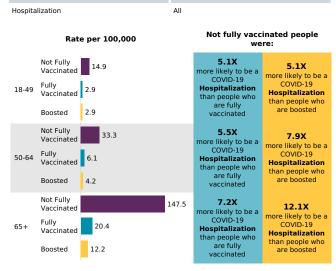
All VBT data in this report is as of the 6/6/22 update.

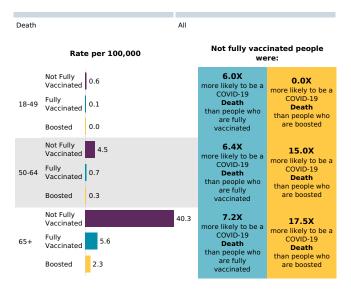


COVID-19 vaccines are effective. However, some people who are vaccinated will still get COVID-19 if they are exposed to the SARS-CoV-2 virus. These are called "vaccine breakthrough cases." Vaccination can make illness less severe in people who experience a vaccine breakthrough infection. Fully vaccinated people are also much less likely to be hospitalized or die than people with similar risk factors who are not vaccinated. People who have received booster doses have an even lower risk of hospitalization or death than people with similar risk factors who have only received a primary series of vaccine or people who are not vaccinated.

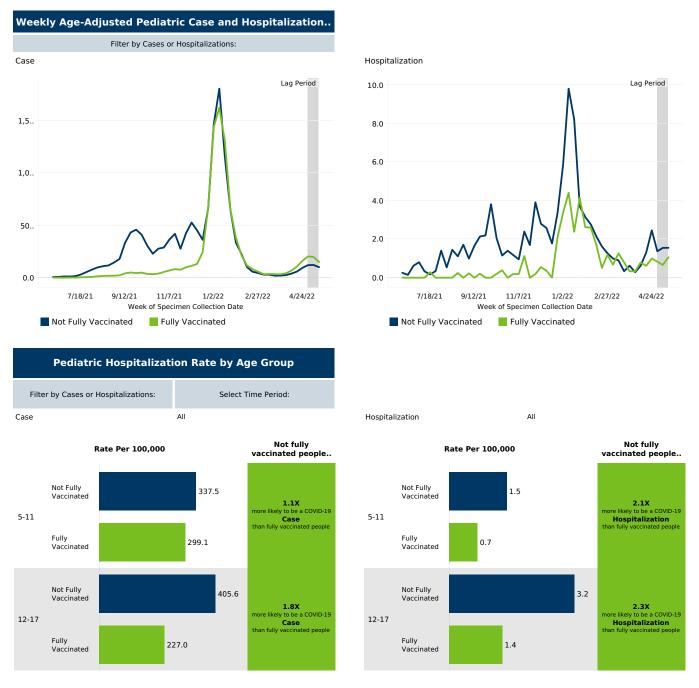






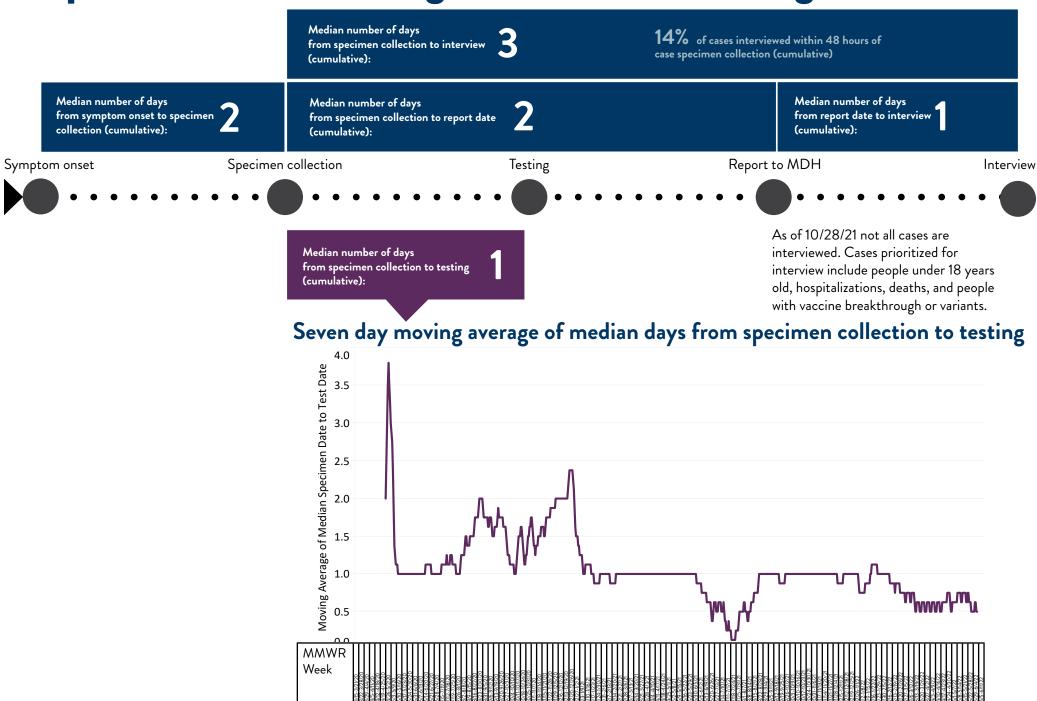


### Pediatric (ages 5-17) Vaccine Breakthrough Data



More information about vaccine breakthrough (including definitons and downloadable data) updated every Monday are available on:
 COVID-19 Vaccine Breakthrough Weekly Update (www.health.state.mn.us/diseases/coronavirus/stats/vbt.html)

# Response Metrics: Testing and Interview Timing



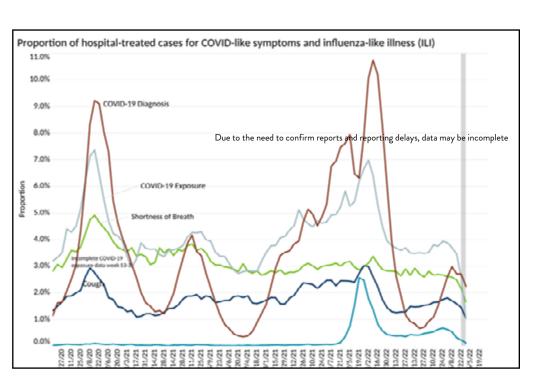
#### Syndromic Surveillance

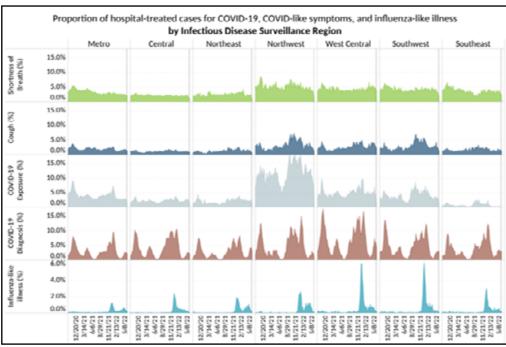
These syndromic surveillance data come from the Encounter Alert Service (EAS), which is utilizing an existing service to support and leverage the development of this activity. These data provide situational awareness to help inform public health decision making, resource allocation, and other actions.

Syndromic surveillance is a type of public health surveillance that uses near real-time data to help identify unusual activity that might need further investigation. These data help public health officials detect, monitor, and respond quickly to local public health threats and events of public health importance. The Minnesota Department of Health is currently using data on COVID-19-related symptoms and chief complaints reported during emergency department and inpatient hospital visits to identify trends. This data can provide an early signal that something is happening in a community with the outbreak even if case counts are not increasing at that time.

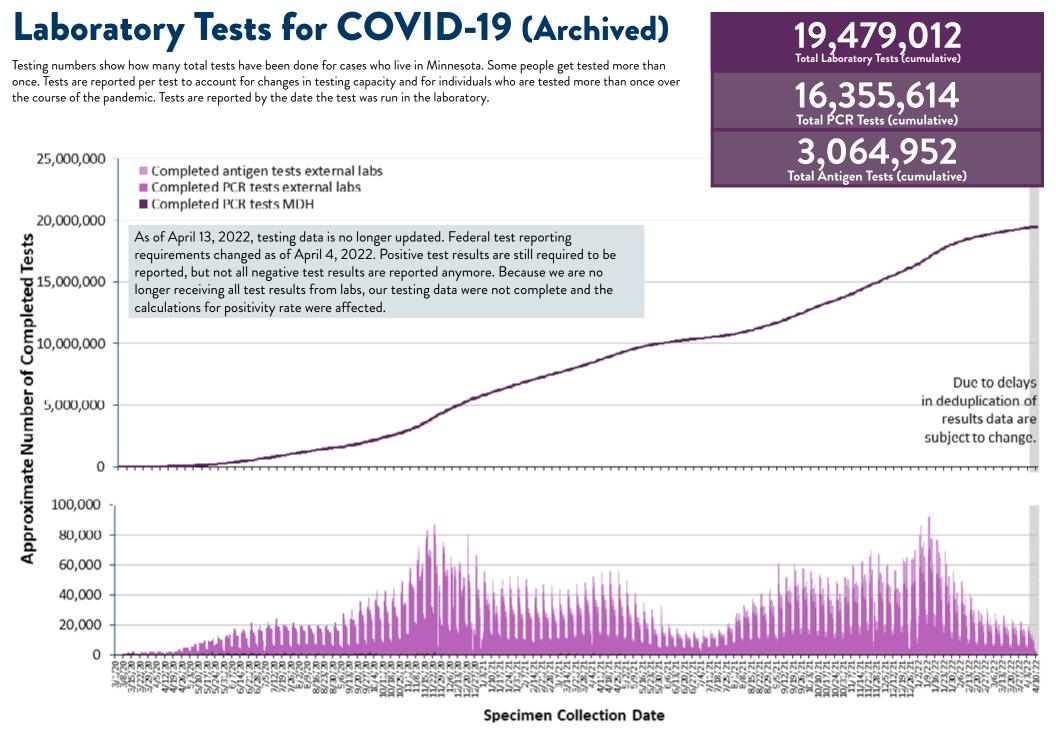
Data include emergency-department and inpatient hospital visits for COVID-like illness through last Saturday. Categories are based upon discharge diagnosis codes. Beginning with the November 27, 2020, Weekly COVID-19 report, conditions are reported from week 30 (July 20, 2020) forward due to a transition in data sources. The gray bar indicates a one-week lag period in the data.

Through last Saturday, these data represent all patients from about 135 hospitals in Minnesota, covering approximately 90% of the hospital beds statewide.



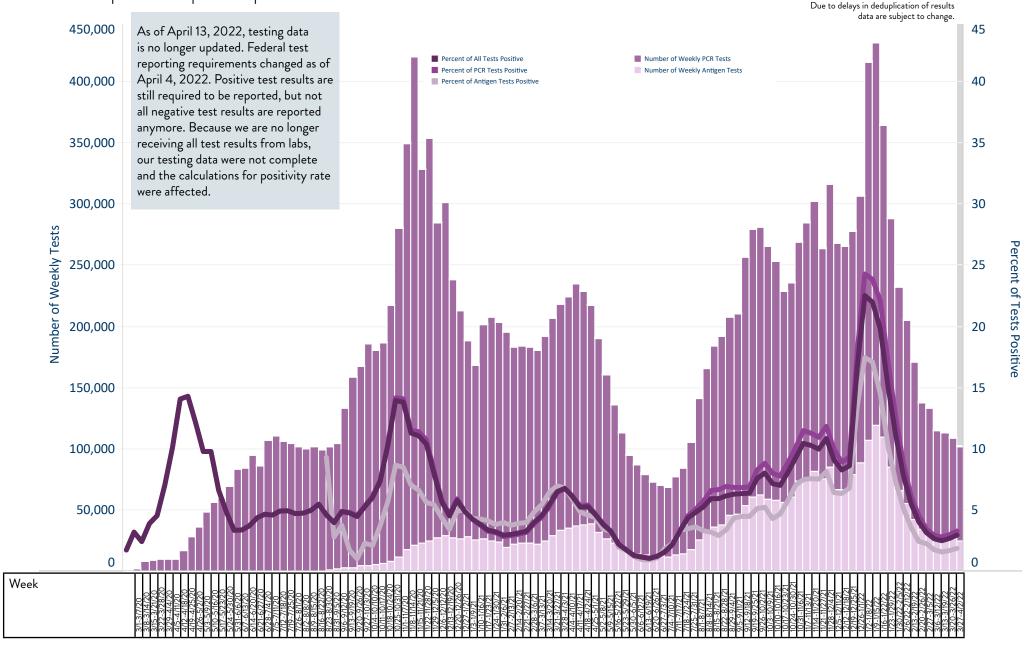


- Map of Counties and Infectious Disease Surveillance Regions can be found on: Field Services Epidemiologists (https://www.health.state.mn.us/about/org/idepc/epis.html)
- Further information and frequently asked questions syndromic surveillance can be found at: <u>Hospital Alerting for Syndromic Surveillance: COVID-19/SAR-CoV-2 (https://www.health.state.mn.us/diseases/coronavirus/hcp/syndromic.html)</u>



#### Number of Tests and Percent Positive by Week (Archived)

Number of tests and percentage positive by date of laboratory testing. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations. Percent positive is the percent of positive tests from the total number of tests.

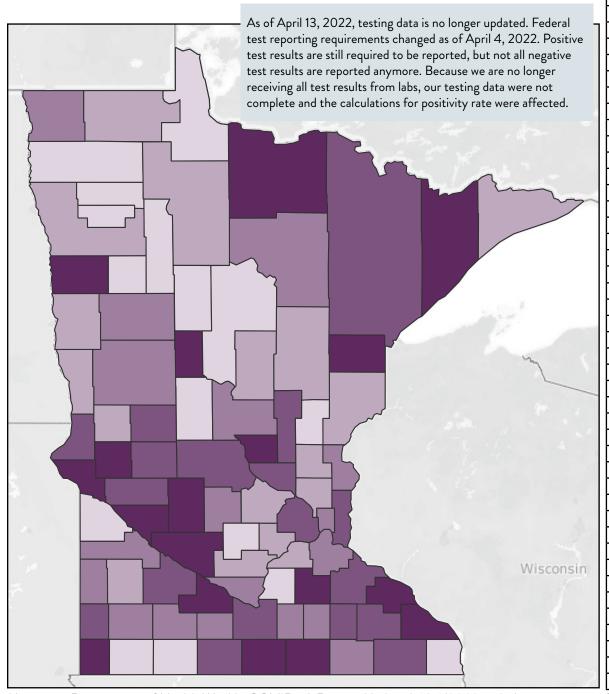


■ Downloadable CSV file with current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

#### Laboratory Test Rates by County of Residence (Archived)

34,503
rate of tests per 10,000 people statewide (cumulative

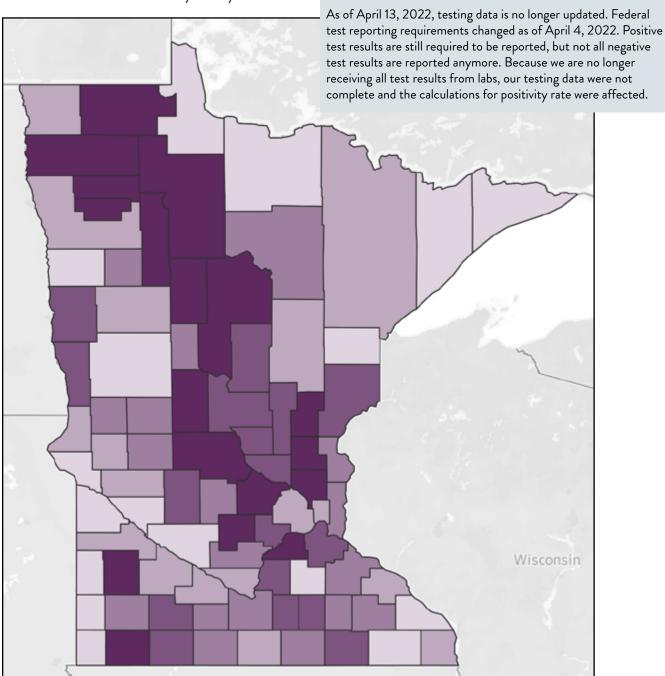
Cumulative rate of tests by county of residence per 10,000 people. Only tests reported by laboratories reporting both positive and negative results are included.



00 ()		cay	rate of tests per 10,000 people statewide (cumulative)		
County	Number of Tests	Cumulative Rate	County	Number of Tests	Cumulative Rate
Aitkin	42,024	26,540	Martin	68,537	34,330
Anoka	1,056,390	30,406	McLeod	115,229	32,164
Becker	109,401	32,393	Meeker	70,409	30,508
Beltrami	126,964	27,531	Mille Lacs	89,039	34,608
Benton	158,329	39,802	Morrison	111,174	33,741
Big Stone	24,192	48,230	Mower	130,225	32,883
Blue Earth	228,040	34,384	Murray	25,810	30,899
Brown	92,597	36,729	Nicollet	107,771	31,901
Carlton	150,633	42,384	Nobles	52,345	23,969
Carver	291,338	29,013	Norman	25,086	38,247
Cass	67,318	23,196	Olmsted	524,160	34,244
Chippewa	46,713	38,895	Otter Tail	193,588	33,382
Chisago	179,773	32,849	Pennington	29,387	20,718
Clay	172,685	27,497	Pine	76,182	26,153
Clearwater	20,193	22,915	Pipestone	31,065	33,821
Cook	15,610	29,392	Polk	91,652	29,012
Cottonwood	35,908	31,576	Pope	37,058	33,750
Crow Wing	177,511	27,799	Ramsey	1,830,068	33,797
Dakota	1,326,755	31,725	Red Lake	7,812	19,491
Dodge	70,221	34,118	Redwood	53,818	35,104
Douglas	129,282	34,750	Renville	56,434	38,336
Faribault	53,314	38,366	Rice	321,972	48,958
Fillmore	76,409	36,580	Rock	36,689	38,977
Freeborn	121,473	39,793	Roseau	43,170	27,920
Goodhue	165,746	35,863	Scott	417,457	29,117
Grant	17,625	29,682	Sherburne	339,937	36,462
Hennepin	4,316,844	34,941	Sibley	40,816	27,371
Houston	36,930	19,788	St. Louis	720,372	36,004
Hubbard	38,764	18,581	Stearns	536,199	34,192
Isanti	102,718	26,356	Steele	118,698	32,364
Itasca	143,823	31,817	Stevens	35,827	36,618
Jackson	22,818	22,711	Swift	33,228	35,308
Kanabec	35,873	22,415	Todd	60,707	24,839
Kandiyohi	159,130	37,304	Traverse	11,366	34,061
Kittson	14,631	33,735	Wabasha	79,251	36,861
Koochiching	47,734	37,752	Wadena	62,576	45,857
Lac qui Parle	26,690	39,406	Waseca	63,176	33,588
Lake	39,456	37,332	Washington	864,820	34,140
Lake of the Woods	12,236	32,124	Watonwan	34,238	31,202
Le Sueur	70,123	25,059	Wilkin	16,546	26,085
Lincoln	17,781	31,156	Winona	188,530	37,078
Lyon	74,940	29,003	Wright	365,507	27,535
Mahnomen	12,733	23,126	Yellow Medicine	32,971	33,412
Marshall	18,368	19,557	Unknown/missing	772,230	
` /					D 24

#### Percent of Tests Positive by County of Residence (Archived) 7.8% // \*\* positive statewide (cumulative)

Cumulative percent of tests positive by county of residence. Positive number of tests and positivity calculations include only tests reported by labs that report both positive and negative results. Percent positive is the percent of positive tests from the total number of tests by county of residence.

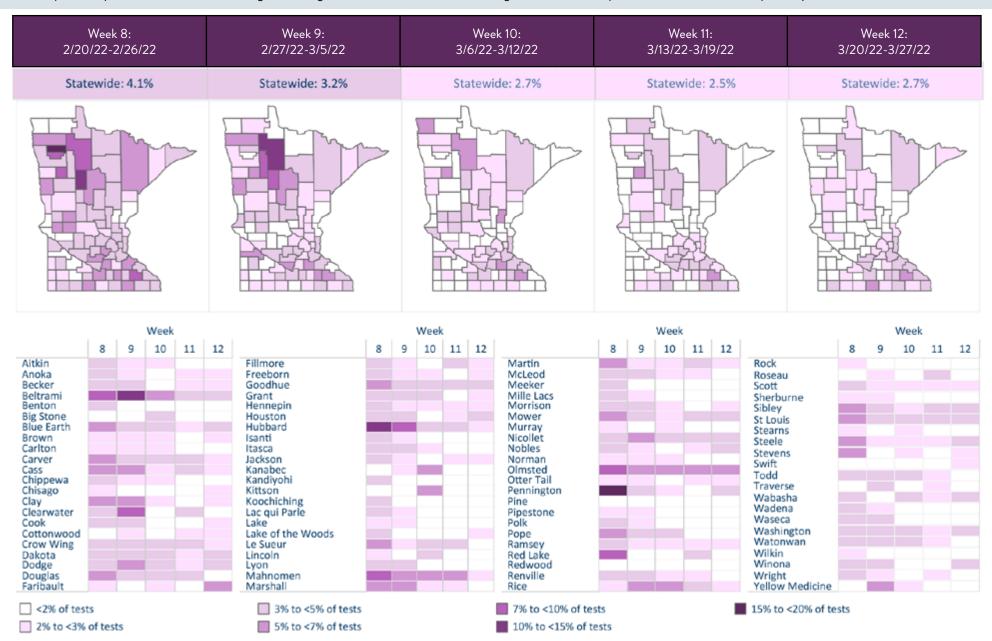


% positive statewide (cumulative					
County	% Positive (cumulative)	County	% Positive (cumulative)		
Aitkin	7.2%	Martin	8.0%		
Anoka	9.5%	McLeod	9.3%		
Becker	7.3%	Meeker	8.2%		
Beltrami	9.3%	Mille Lacs	8.8%		
Benton	8.7%	Morrison	8.4%		
Big Stone	5.6%	Mower	8.8%		
Blue Earth	7.9%	Murray	7.7%		
Brown	7.1%	Nicollet	7.5%		
Carlton	5.9%	Nobles	12.6%		
Carver	8.8%	Norman	5.6%		
Cass	10.2%	Olmsted	7.7%		
Chippewa	6.4%	Otter Tail	6.6%		
Chisago	8.3%	Pennington	10.5%		
Clay	8.7%	Pine	8.8%		
Clearwater	10.2%	Pipestone	6.1%		
Cook	3.7%	Polk	7.2%		
Cottonwood	8.8%	Роре	7.9%		
Crow Wing	8.9%	Ramsey	7.2%		
Dakota	8.7%	Red Lake	10.8%		
Dodge	8.0%	Redwood	7.1%		
Douglas	8.3%	Renville	6.7%		
Faribault	7.1%	Rice	5.4%		
Fillmore	6.3%	Rock	5.7%		
Freeborn	7.8%	Roseau	10.3%		
Goodhue	7.9%	Scott	9.1%		
Grant	7.9%	Sherburne	9.1%		
Hennepin	7.4%	Sibley	8.3%		
Houston	7.3%	St. Louis	6.7%		
Hubbard	11.5%	Stearns	9.3%		
Isanti	9.4%	Steele	8.9%		
İtasca	7.6%	Stevens	7.5%		
Jackson	9.0%	Swift	7.0%		
Kanabec	9.7%	Todd	10.0%		
Kandiyohi	8.4%	Traverse	6.9%		
Kittson	6.9%	Wabasha	6.8%		
Koochiching	6.1%	Wadena	7.9%		
Lac qui Parle	6.1%	Waseca	8.8%		
Lake	5.5%	Washington	8.1%		
Lake of the Woods	6.3%	Watonwan	8.0%		
Le Sueur	8.4%	Wilkin	8.4%		
Lincoln	6.5%	Winona	6.6%		
Lyon	9.6%	Wright	9.7%		
Mahnomen	8.3%	Yellow Medicine	7.0%		
Marshall	10.9%	Unknown/missing	5.3%		
	.5.7%	g	J.5%		

#### Weekly Percent of Tests Positive by County of Residence (Archived)

Percent of positive tests by county of residence in Minnesota by week of specimen collection. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations. Percent positive is the percent of positive tests from the total number of tests by county of residence.

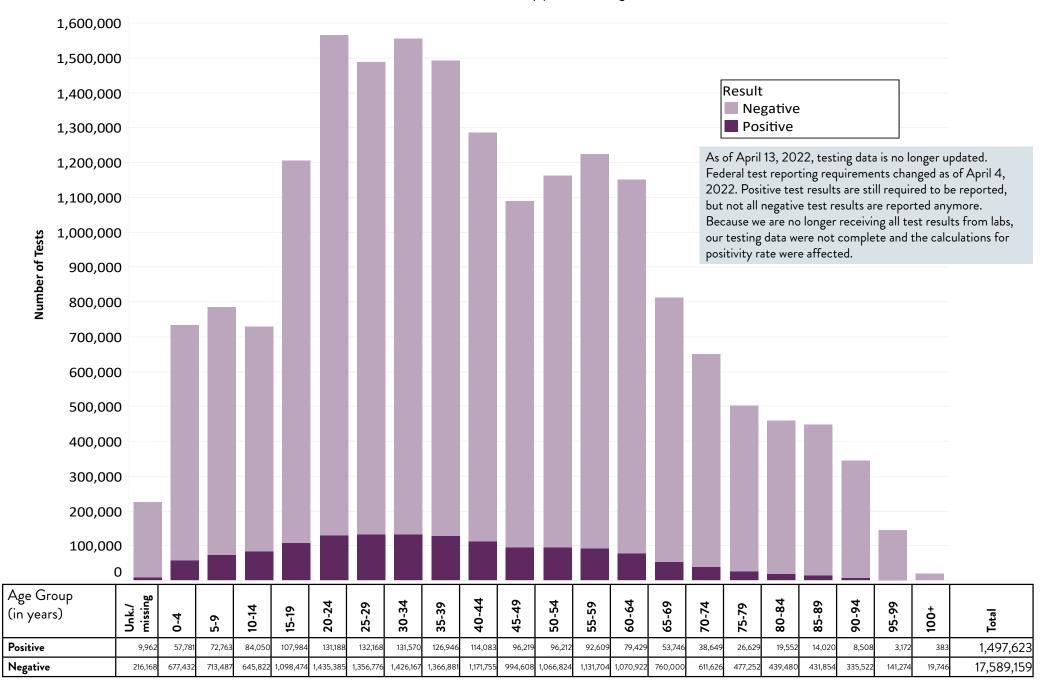
As of April 13, 2022, testing data is no longer updated. Federal test reporting requirements changed as of April 4, 2022. Positive test results are still required to be reported, but not all negative test results are reported anymore. Because we are no longer receiving all test results from labs, our testing data were not complete and the calculations for positivity rate were affected.



Downloadable CSV file of current data for these maps is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)
Minnesota Department of Health Weekly COVID-19 Report: Updated 4/14/2022 with data current as of 4 a.m. the previous day unless specifically noted.

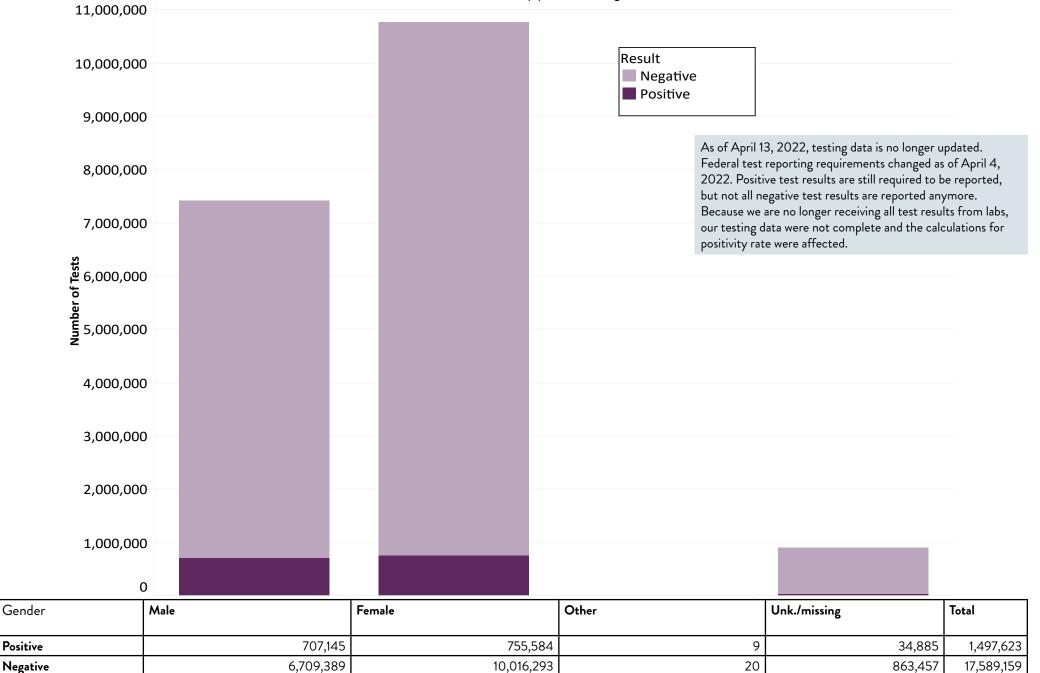
## Testing Demographics: Age (Archived)

Cumulative number of positive and negative tests by age group. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations, inconclusive test results are not included (inconclusive test results are those that are not clearly positive or negative).



#### Testing Demographics: Gender (Archived)

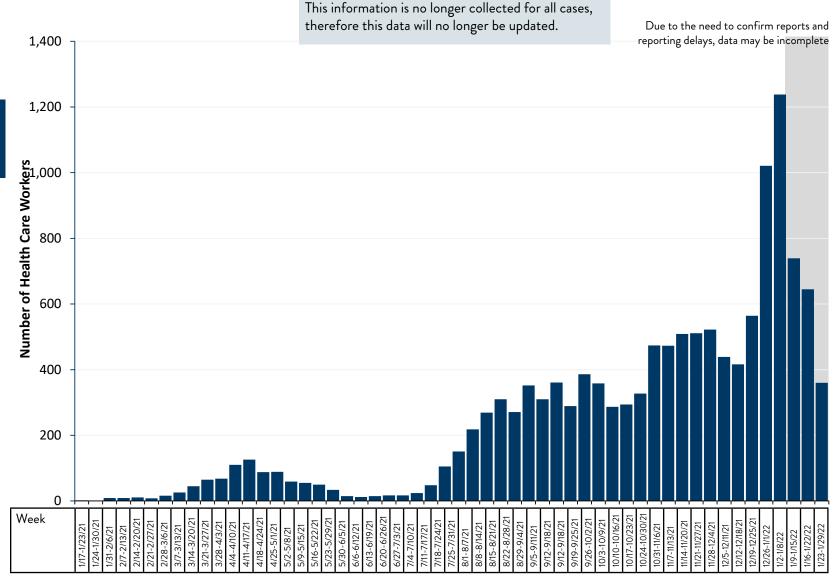
Cumulative number of positive and negative tests by gender. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations, inconclusive test results are not included (inconclusive test results are those that are not clearly positive or negative).



#### VBT Cases among Health Care Workers (Archived)

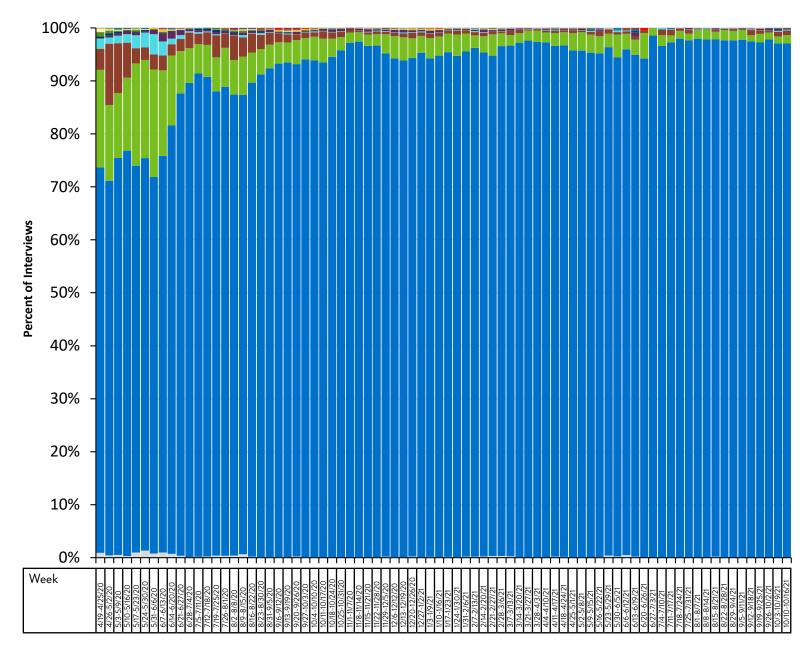
These data are for all vaccine breakthrough cases who reported their occupation as health care staff in acute care or congregate care facilities. Vaccine breakthrough cases are defined as Minnesota residents with a positive test result (both confirmed and probable) with onset date (or specimen collection date if asymptomatic) 14 or more days post full vaccine series and no positive COVID-19 result in the 90 days prior to their COVID infection.





# Demographics: Interview Language (Archived)

Language needs for cases interviewed by specimen collection date week. It is assumed that any interview recorded as not needing an interpreter was conducted in English.



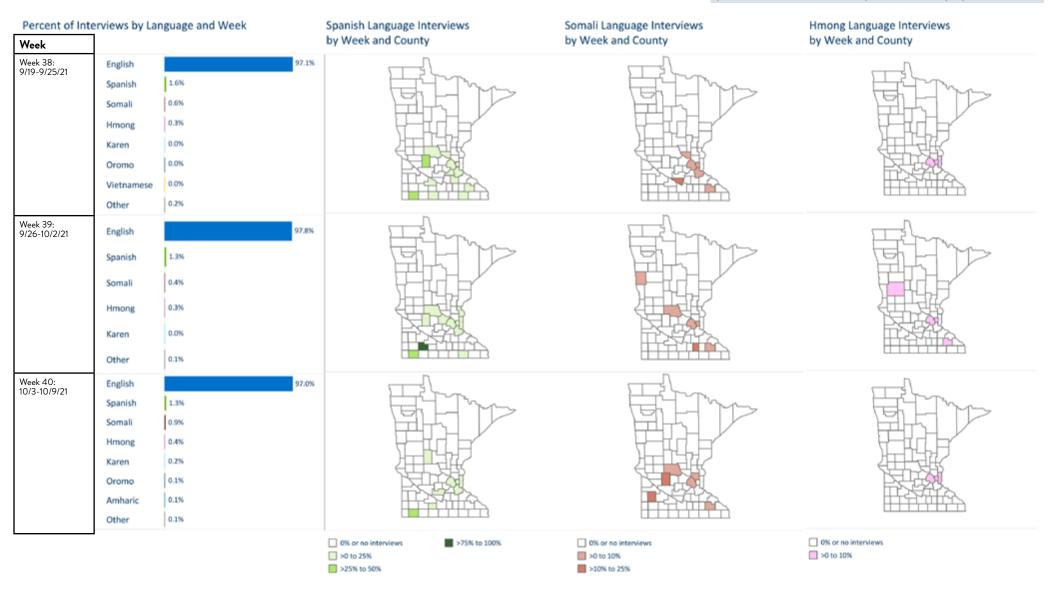
# This information is no longer collected for all cases, therefore this data will no longer be updated.

Language	Total % of Interviews
Mandarin	<1%
Cantonese	<1%
Russian	<1%
Arabic	<1%
Vietnamese	<1%
Laotian	<1%
Amharic	<1%
Oromo	<1%
<ul><li>Hmong</li></ul>	<1%
Karen	<1%
■ Somali	1%
Spanish	4%
<ul><li>English</li></ul>	94%
Other	<1%

#### Interview Language by County of Residence (Archived)

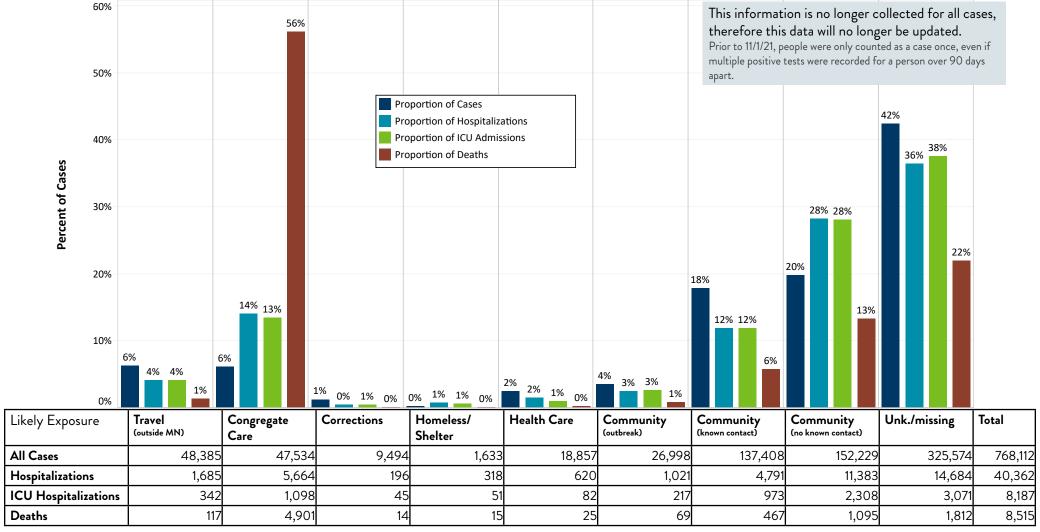
Percent of interviews by language and week of specimen collection by county of residence.

This information is no longer collected for all cases, therefore this data will no longer be updated.



# Likely Exposure (Archived)

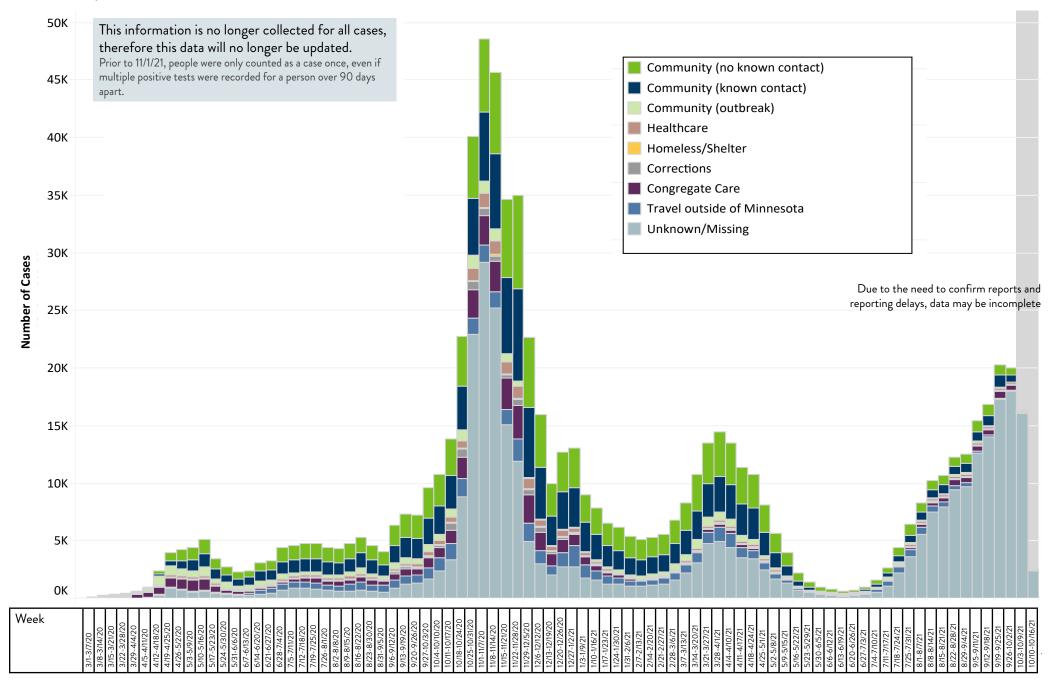
Likely exposure for confirmed and probable cases. Exposure data is collected at case interview. Cases are categorized according to a hierarchy following the order of exposure type: outbreak, travel, LTC staff and residents, corrections, homeless shelter, acute health care, community-exposure with known contact, community-no known exposure.



- Community (outbreak): Case was exposed to a known outbreak setting in Minnesota that is not also a congregate living setting (e.g., long-term care, corrections, shelter) or health care setting. This includes restaurant/bars, sports, worksites that are not living settings, etc.
- Travel: Case traveled outside of Minnesota in the 2 weeks before illness.
- Congregate Care Setting: Residents, and staff who are not part of a non-congregate care setting outbreak and did not have an exposure to a positive household member. Congregate care settings include long-term care facilities (LTCF), assisted living facilities, group homes, or residential behavioral health (RBH) facilities.
- Corrections: Inmates who were exposed while incarcerated, and staff of a jail/prison setting who are not part of a non-corrections outbreak and did not have an exposure to a positive household member.
- Homeless/Shelter: Residents/guests, and staff who are not part of a non-shelter outbreak and did not have an exposure to a positive household member.
- Health Care: Patients who were part of nosocomial outbreaks, and staff who are not part of a non-acute health care setting outbreak and did not have an exposure to a positive household member.
- Community (known contact with confirmed case): Case has a known exposure to a positive case and does not fit into any of the previous categories.
- Community (unknown contact with confirmed case): Case has no known exposure to a positive case and does not fit into any of the previous categories.

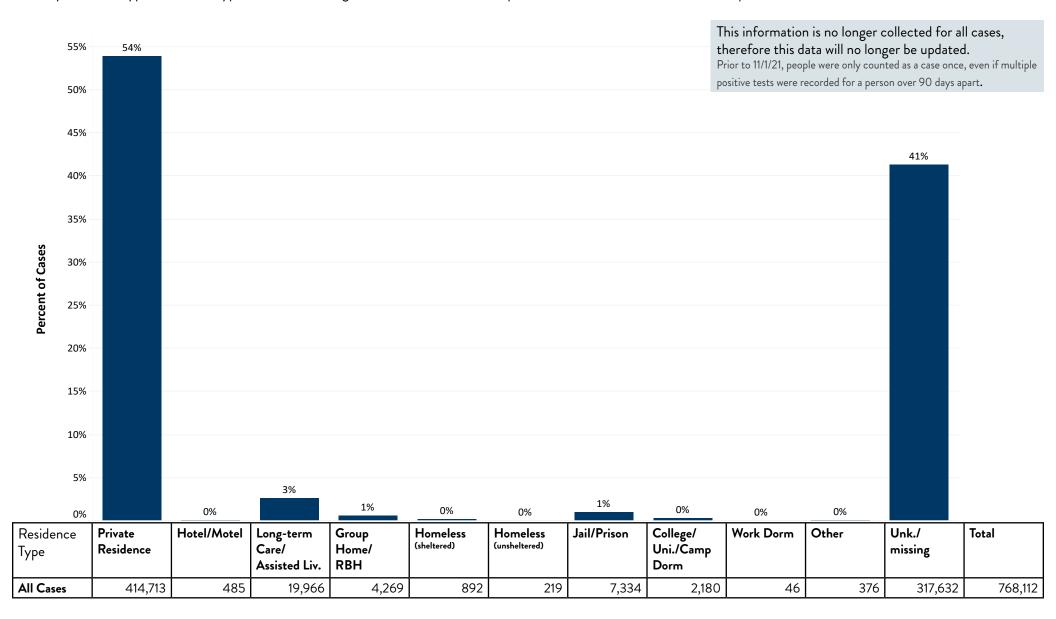
### Cases by Likely Exposure and Specimen Collection Date (Archived)

Cases by likely exposure by specimen collection date. This chart shows how exposure to COVID-19 has changed over time during the pandemic in Minnesota. Numbers include confirmed and probable cases.



# Residence Type (Archived)

Cases by residence type. Residence type is collected during case interview and is self-reported. Numbers include confirmed and probable cases.



# Cases among Health Care Workers (Archived)

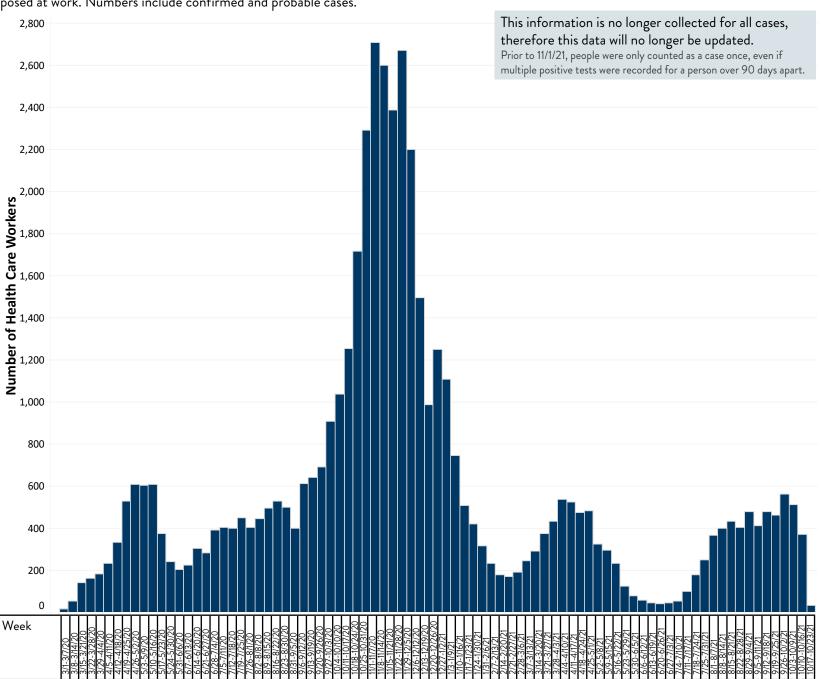
This data is for all cases who reported their occupation as health care staff in acute care or congregate care facilities. Not all cases who are health care workers were exposed at work. Numbers include confirmed and probable cases.



1,247
Total Health Care Staff Hospitalized (cumulative)

207
Total Health Care Staff Hospitalized in ICU
(cumulative)

Total Health Care Staff Deaths (cumulative)



#### High Risk Exposures in Health Care Workers (Archived)

MDH works with health care facilities to monitor health care workers who have had high-risk exposures with known positive patients/residents, co-workers, or social contacts. This data shows high-risk exposures experienced by health care workers in Minnesota who have been in contact with individuals with confirmed COVID-19 and the percent of exposures that lead to a positive test within 14 days of high-risk exposure (coworker, household/social, patient or resident). This data does not capture the exposures of all health care workers who become COVID-19 cases.

16,816 gh Risk Health Care Worker Exposures (cumulative)

The data shown here summarizes high-risk exposures that occurred from March 6, 2020 –October 20, 2021.

Health care workers had 16,816 documented high-risk exposures

52% exposures happened at home or in the community

48% of exposures occurred at work

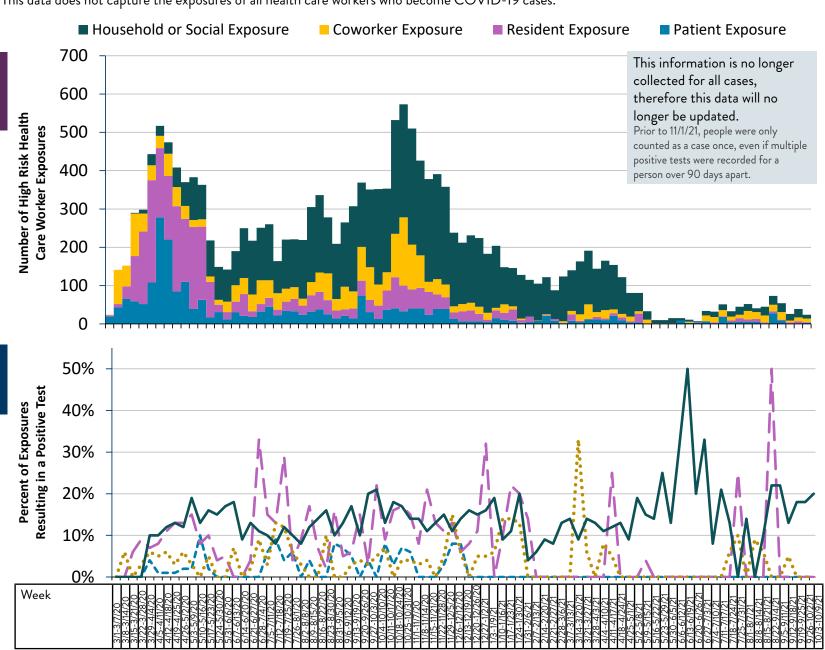
1,667

Total High Risk Health Care Worker Exposures
Reulting in a Positive Test (cumulative)

Risk of infection was highest after exposure at home or in the community

13% HCW tested positive after exposure to a positive household member or social contact

6% HCW tested positive after an exposure at work

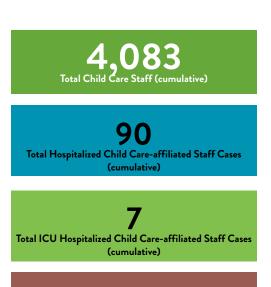


# Staff with Potential Exposure in Child Care Settings (Archived)

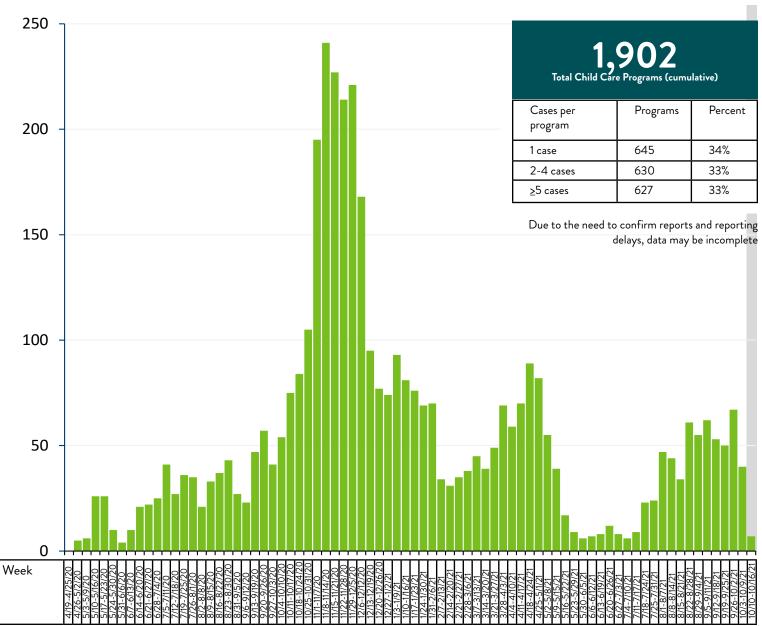
Cases of COVID-19 with potential exposure in child care settings by specimen collection date. Cases included staff that attended a child care program while infectious, or who test positive and attended a child care program that reported a confirmed case in the past 28 days. Child care programs included: licensed child care centers, certified centers, summer day camps, and school-age care during peacetime emergency. Does not include in-home child cares. Cases by week are by specimen collection date. Numbers include confirmed and probable cases.

This information is no longer collected for staff in child care settings.

Prior to 11/1/21, people were only counted as a case once, even if multiple positive tests were recorded for a person over 90 days apart.



Total Child Care-affiliated Staff Deaths



# Staff Cases Associated with Pre-K through Grade 12 School Buildings (Archived)

Cases of COVID-19 associated with school staff working in school at a prekindergarten through grade 12 building while they were able to spread COVID-19. These numbers include cases exposed in a school setting, cases exposed in other settings, and cases where the exposure setting was not confirmed. All Minnesota schools are represented including public, nonpublic, and tribal schools. Numbers include confirmed and probable cases.

This information is no longer collected for staff in Pre-K through Grade 12 Schools.

Prior to 11/1/21, people were only counted as a case once, even if multiple positive tests were recorded for a person over 90 days apart.

Cases by week are by specimen collection date. Numbers listed as cumulative total are cumulative since Aug. 1, 2020.

10,773

Total PreK-12 School Staff Cases (cumulative)

235

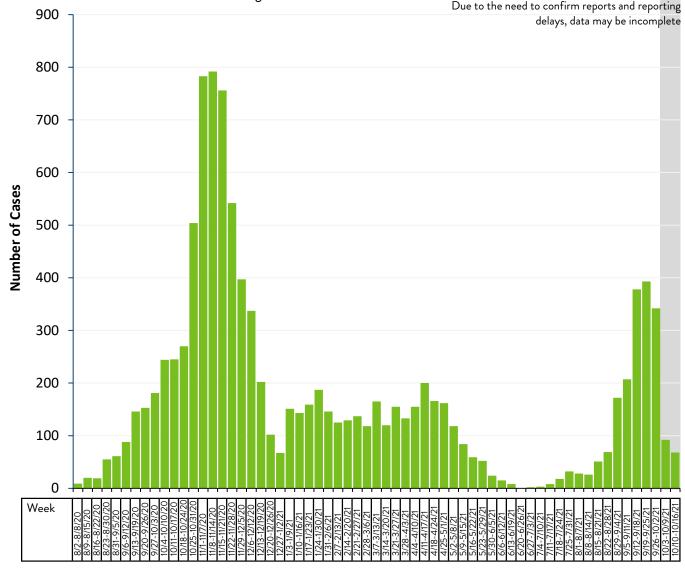
Total Hospitalized PreK-12-affiliated Staff Cases (cumulative)

47

Total ICU Hospitalized PreK-12-affiliated Staff Cases (cumulative)

13

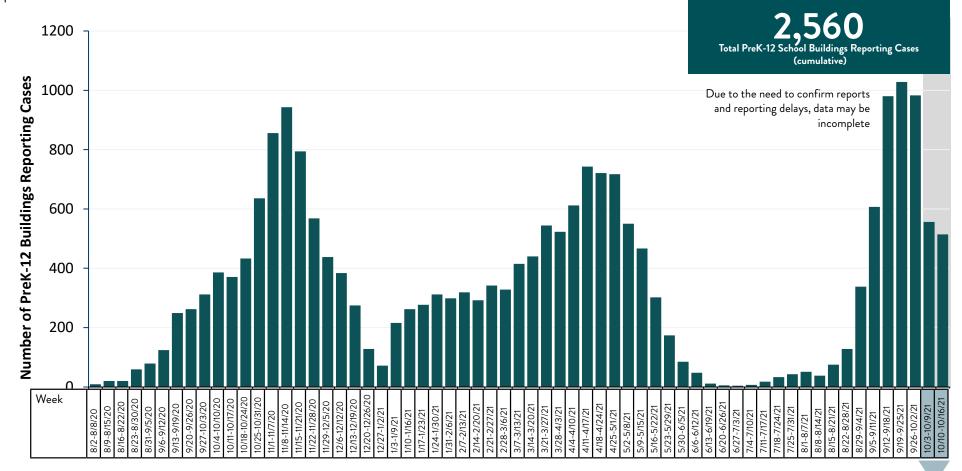
Total PreK-12-affiliated Staff Deaths (cumulative)



#### PreK-12 School Buildings Reporting Cases (Archived)

Schools included are public, non-public, and tribal schools. Number of school buildings reporting cases by week are by specimen collection date. Numbers listed as cumulative total are cumulative since Aug. 1, 2020. Numbers include confirmed and probable cases.

#### This data will no longer be updated.



Cases per building	Number of buildings reporting cases 10/3-10/16/21
1 case	405
2-4 cases	324
≥5 cases	99
Total	828

A list of School buildings reporting 5 or more cases of COVID-19 in students who were in the building while infectious during a two-week reporting period by county is available in the Minnesota Situation Update for Coronavirus Disease 2019 (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

# Cases that have an Affiliation with Institutes of Higher Education (IHE) (Archived)

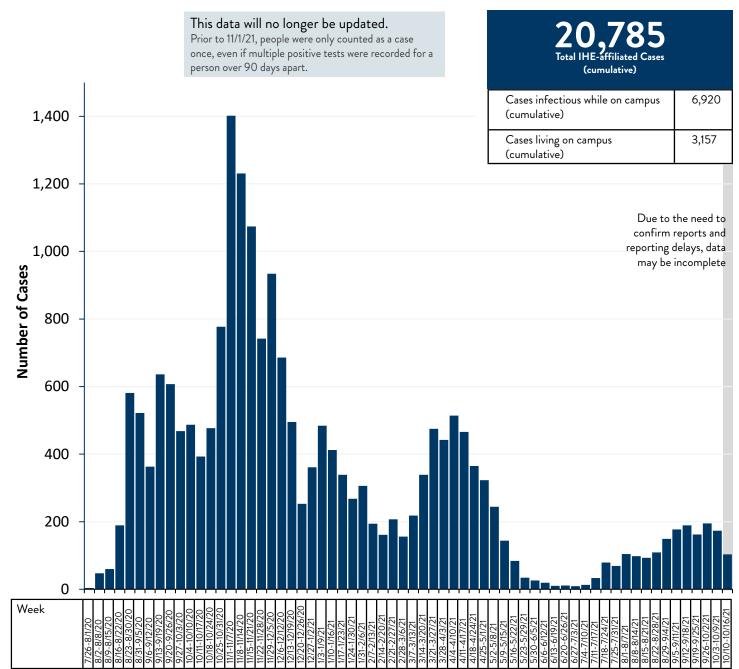
Cases of COVID-19 affiliated with faculty, staff, and students working or enrolled at a Minnesota Institute of Higher Education (IHE) while they were potentially exposed to or able to spread COVID-19. IHE include colleges, universities, and private career schools. Numbers include confirmed and probable cases.

Cases by week are by specimen collection date. Numbers listed as cumulative total are cumulative since Aug. 1, 2020.

183
Total Hospitalized IHE-affiliated Cases
(cumulative)

Total ICU Hospitalized IHE-affiliated Case (cumulative)

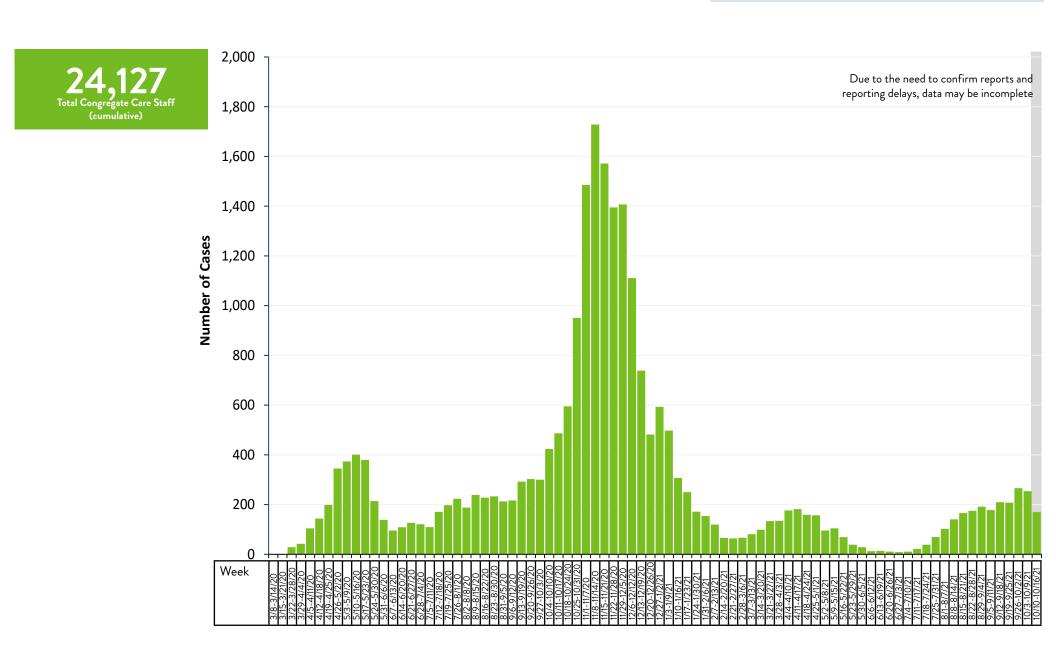
Total IHE-affiliated Deaths
(cumulative)



# Staff Cases Associated with Congregate Care Settings (Archived)

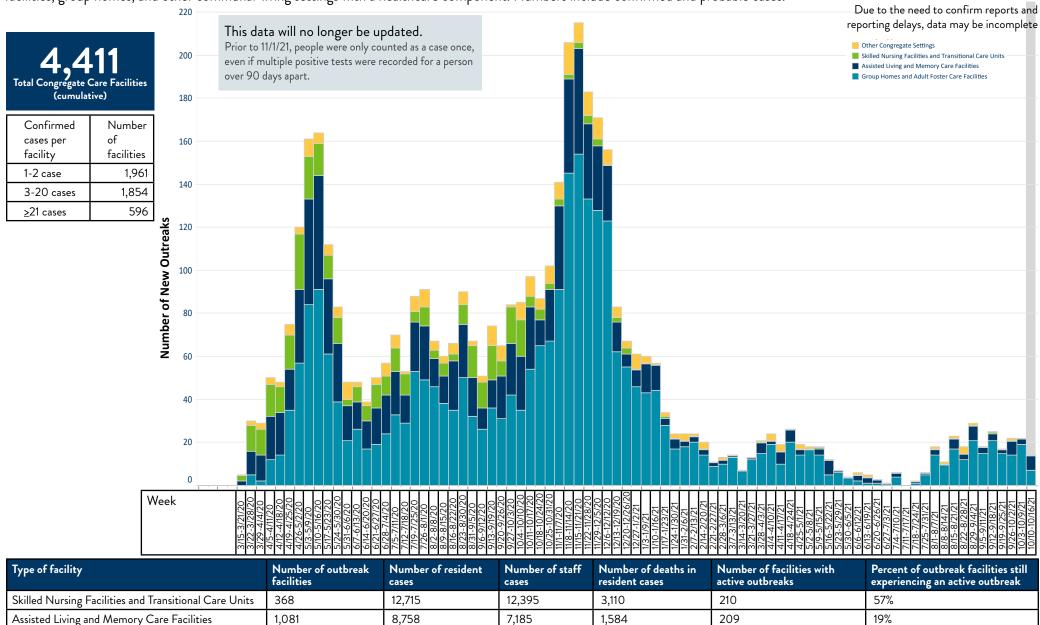
Cases of COVID-19 associated with staff living in congregate settings by specimen collection date. Congregate care settings include nursing homes, assisted living-type facilities, group homes, and other communal-living settings with a healthcare component. Numbers include confirmed and probable cases.

This information is no longer collected for staff in Congregate Care Settings.



## Congregate Care Facility Outbreaks (Archived)

Congregate care facilities with confirmed cases in residents, staff, and visiting providers by specimen date. Congregate care settings include nursing homes, assisted living-type facilities, group homes, and other communal-living settings with a healthcare component. Numbers include confirmed and probable cases.



4,862

1,527

116

136

2,863

1,648

2,738

265

Group Homes and Adult Foster Care Facilities

Other Congregate Care Settings

5%

15%

A list of congregate care facilities reporting an exposure in the last 28 days from a case in a resident, staff person, or visiting provider and a cumulative list of long-term care facilities reporting a case in a resident, staff person, or visiting service provider are available on: <a href="COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html">COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html</a>)