

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.

- <u>Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)</u> updated daily at 11 a.m.
- Coronavirus Disease 2019 (COVID-19) (https://www.cdc.gov/coronavirus/2019-nCoV/)
- Neighboring states' COVID-19 information:
 - Wisconsin: COVID-19 (Coronavirus Disease) (https://www.dhs.wisconsin.gov/covid-19/)
 - <u>Iowa: Novel Coronavirus (COVID-19) (https://idph.iowa.gov/Emerging-Health-Issues/Novel-Coronavirus)</u>
 - North Dakota: Coronavirus (https://www.health.nd.gov/diseases-conditions/coronavirus/)
 - South Dakota: Novel Coronavirus Updates and Information (https://doh.sd.gov/news/Coronavirus.aspx)

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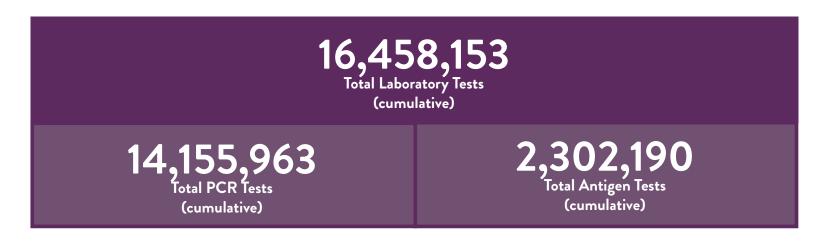
About Minnesota COVID-19 Data

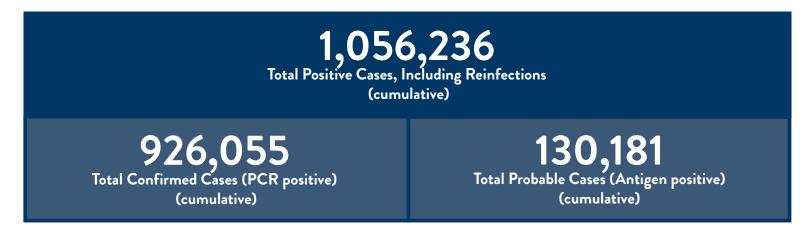
- Data is for cases that were tested and returned positive.
 - At-home test results are not counted by MDH.
 - Many people with COVID-19 are not tested, so the cases in this report represent only a fraction of the total number of cases in Minnesota.
- All data is preliminary and may change as cases are 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.



health.mn.gov/coronavirus

COVID-19 Overview Summary





51,557
Total Hospitalizations
(cumulative)

10,099
Total ICU Hospitalizations
(cumulative)

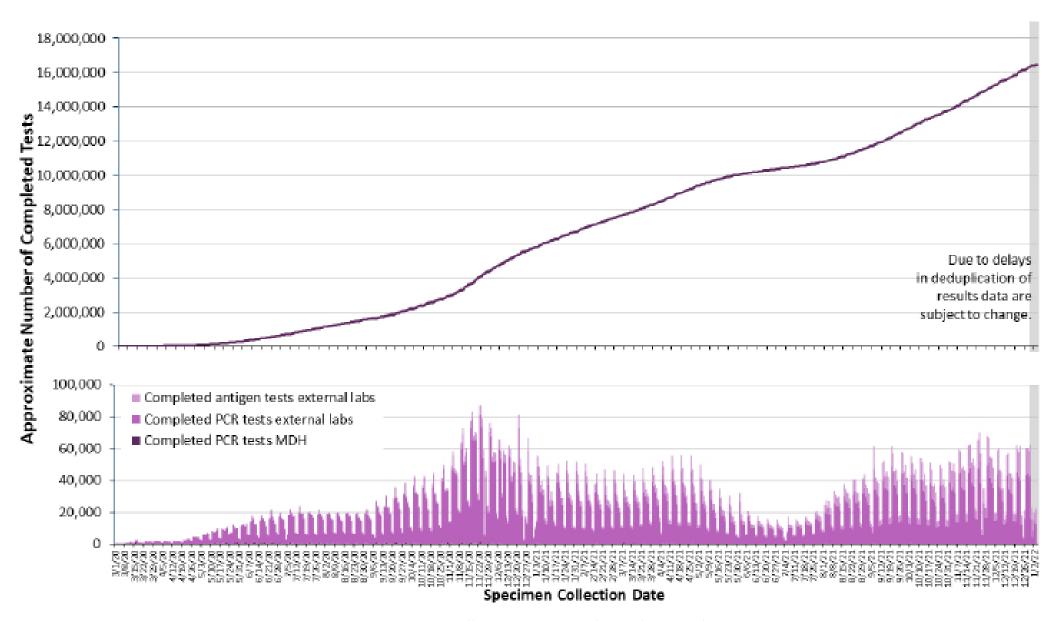
10,733
Total Deaths
(cumulative)

1,005,849
Total No Longer Needing Isolation (cumulative)

Laboratory Tests for COVID-19

16,458,153
Total Laboratory Tests
(cumulative)

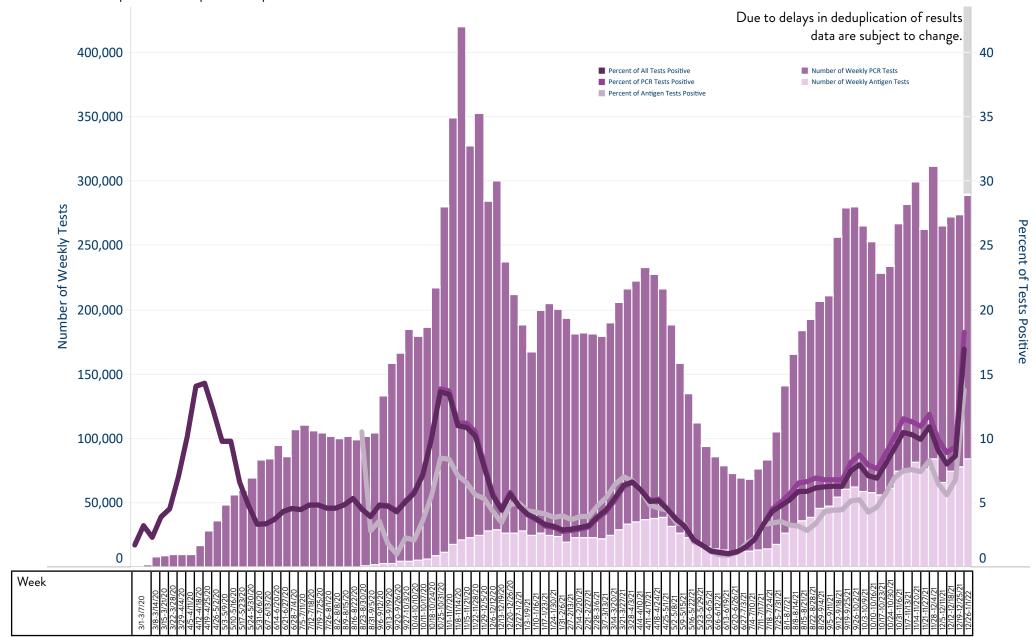
Testing numbers show how many total tests have been done for cases who live in Minnesota. Some people get tested more than once. Tests are reported per test to account for changes in testing capacity and for individuals who are tested more than once over the course of the pandemic. Tests are reported by the date the test was run in the laboratory.



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

Number of Tests and Percent Positive by Week

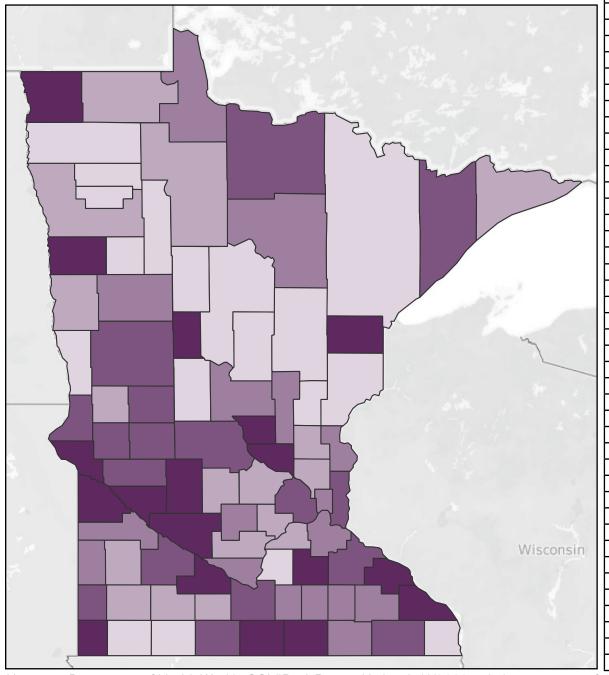
Number of tests and percentage positive by date of laboratory testing. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations. Percent positive is the percent of positive tests from the total number of tests.



Laboratory Test Rates by County of Residence

28,890 tests per 10,000 people statewide

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.

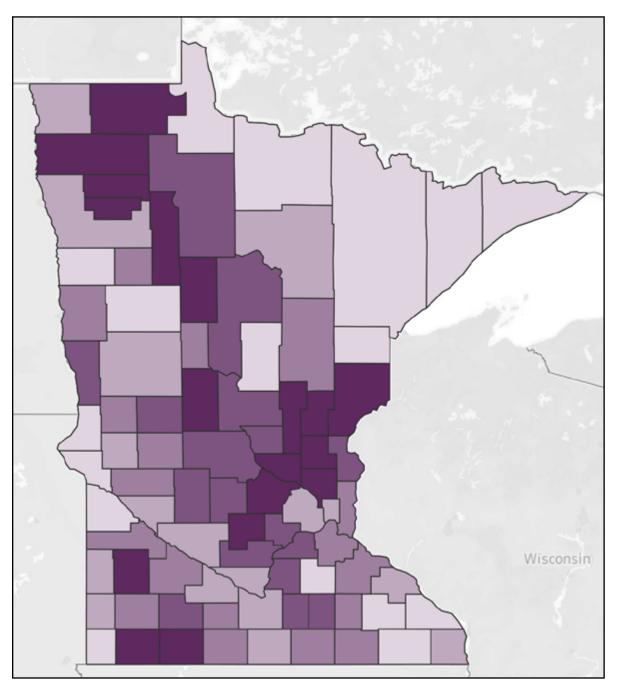


			tests per 10,000 people statewide			
County	Number of Tests	Cumulative Rate	County	Number of Tests	Cumulative Rate	
Aitkin	33,424	21,109	Martin	57,887	28,996	
Anoka	877,669	25,262	McLeod	97,033	27,085	
Becker	89,122	26,389	Meeker	60,402	26,172	
Beltrami	105,633	22,905	Mille Lacs	73,156	28,434	
Benton	128,902	32,405	Morrison	93,253	28,302	
Big Stone	19,234	38,345	Mower	113,503	28,661	
Blue Earth	196,340	29,604	Murray	21,551	25,800	
Brown	79,527	31,545	Nicollet	95,428	28,247	
Carlton	123,562	34,767	Nobles	44,316	20,292	
Carver	245,719	24,470	Norman	21,487	32,760	
Cass	53,501	18,435	Olmsted	430,023	28,094	
Chippewa	39,676	33,036	Otter Tail	168,982	29,139	
Chisago	149,887	27,388	Pennington	24,470	17,252	
Clay	147,154	23,432	Pine	62,313	21,392	
Clearwater	16,719	18,973	Pipestone	26,904	29,291	
Cook	13,069	24,607	Polk	73,559	23,285	
Cottonwood	29,683	26,102	Pope	31,950	29,098	
Crow Wing	143,891	22,534	Ramsey	1,546,484	28,560	
Dakota	1,114,285	26,645	Red Lake	6,542	16,322	
Dodge	59,071	28,700	Redwood	44,185	28,821	
Douglas	109,449	29,419	Renville	46,318	31,464	
Faribault	46,320	33,333	Rice	271,788	41,327	
Fillmore	63,212	30,262	Rock	29,432	31,267	
Freeborn	99,263	32,518	Roseau	37,361	24,163	
Goodhue	136,190	29,468	Scott	359,808	25,096	
Grant	15,084	25,402	Sherburne	284,767	30,544	
Hennepin	3,630,501	29,385	Sibley	35,394	23,735	
Houston	31,430	16,841	St. Louis	590,873	29,532	
Hubbard	32,603	15,628	Stearns	449,575	28,668	
Isanti	88,225	22,637	Steele	100,336	27,357	
Itasca	121,971	26,983	Stevens	29,267	29,913	
Jackson	19,237	19,147	Swift	27,266	28,972	
Kanabec	30,763	19,222	Todd	50,362	20,606	
Kandiyohi	132,846	31,142	Traverse	9,765	29,263	
Kittson	13,402	30,902	Wabasha	68,183	31,713	
Koochiching	38,513	30,460	Wadena	52,645	38,579	
Lac qui Parle	22,962	33,902	Waseca	53,061	28,210	
Lake	31,541	29,843	Washington	728,470	28,757	
Lake of the Woods	10,469	27,485	Watonwan	28,944	26,377	
Le Sueur	62,569	22,360	Wilkin	12,700	20,022	
Lincoln	15,204	26,641	Winona	158,567	31,185	
Lyon	65,851	25,485	Wright	309,970	23,351	
Mahnomen	10,558	19,175	Yellow Medicine	28,187	28,564	
Marshall	15,392	16,388	Unknown/missing	602,495		

Percent of Tests Positive by County of Residence

6.8% % positive statewide (cumulative

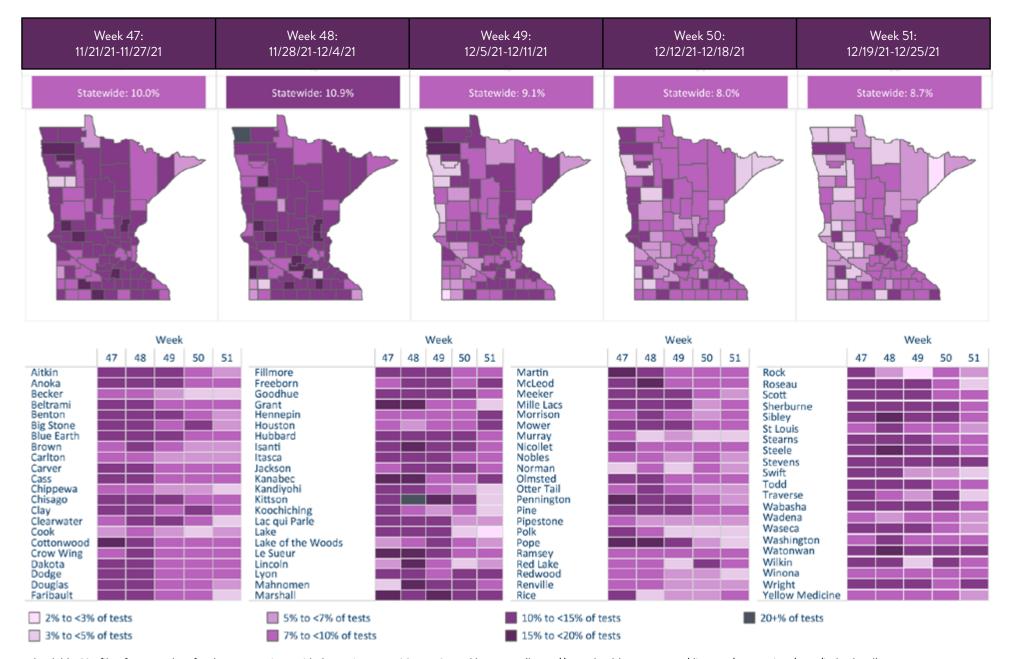
Positive number of tests and positivity calculations include only tests reported by labs that report both positive and negative results. Percent positive is the percent of positive tests from the total number of tests by county of residence.



		% positive statewide (cumulative)			
County	% Positive	County	% Positive		
Aitkin	7.1%	Martin	7.3%		
Anoka	8.6%	McLeod	8.3%		
Becker	5.6%	Meeker	7.8%		
Beltrami	8.1%	Mille Lacs	8.5%		
Benton	7.7%	Morrison	7.6%		
Big Stone	5.0%	Mower	7.1%		
Blue Earth	6.6%	Murray	7.5%		
Brown	6.5%	Nicollet	6.2%		
Carlton	4.8%	Nobles	12.1%		
Carver	7.7%	Norman	4.2%		
Cass	8.2%	Olmsted	5.8%		
Chippewa	5.9%	Otter Tail	5.9%		
Chisago	7.5%	Pennington	9.1%		
Clay	6.8%	Pine	8.3%		
Clearwater	9.2%	Pipestone	5.9%		
Cook	2.9%	Polk	6.0%		
Cottonwood	8.2%	Pope	6.8%		
Crow Wing	5.8%	Ramsey	6.1%		
Dakota	7.4%	Red Lake	9.6%		
Dodge	6.6%	Redwood	6.8%		
Douglas	7.7%	Renville	6.2%		
Faribault	6.3%	Rice	4.7%		
Fillmore	5.5%	Rock	5.6%		
Freeborn	6.7%	Roseau	9.2%		
Goodhue	6.8%	Scott	8.1%		
Grant	7.0%	Sherburne	8.2%		
Hennepin	6.3%	Sibley	7.8%		
Houston	6.4%	St. Louis	5.4%		
Hubbard	8.5%	Stearns	8.2%		
Isanti	8.8%	Steele	7.7%		
Itasca	6.5%	Stevens	6.4%		
Jackson	8.7%	Swift	6.9%		
Kanabec	9.3%	Todd	9.5%		
Kandiyohi	7.9%	Traverse	5.8%		
Kittson	6.4%	Wabasha	6.0%		
Koochiching	5.2%	Wadena	6.8%		
Lac qui Parle	5.5%	Waseca	8.3%		
Lake	4.8%	Washington	6.9%		
Lake of the Woods	5.5%	Watonwan	7.2%		
Le Sueur	7.7%	Wilkin	8.2%		
Lincoln	5.9%	Winona	5.3%		
Lyon	8.9%	Wright	9.0%		
Mahnomen	6.8%	Yellow Medicine	6.7%		
Marshall	10.5%	Unknown/missing	4.1%		
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Weekly Percent of Tests Positive by County of Residence

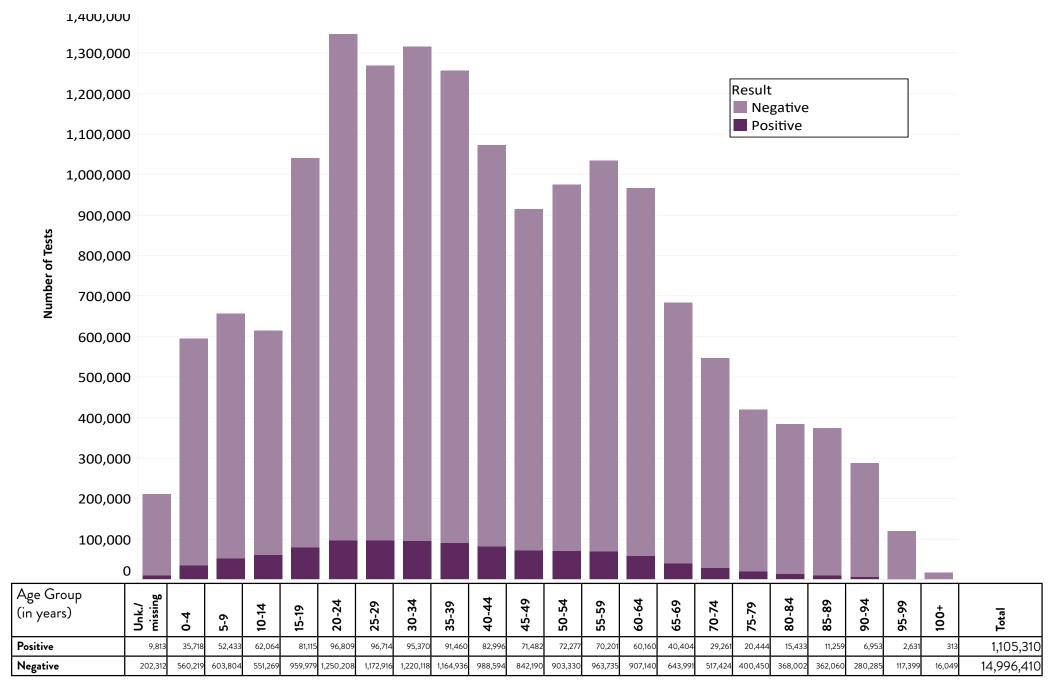
Percent of positive tests by county of residence in Minnesota by week of specimen collection. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations. Percent positive is the percent of positive tests from the total number of tests by county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



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)

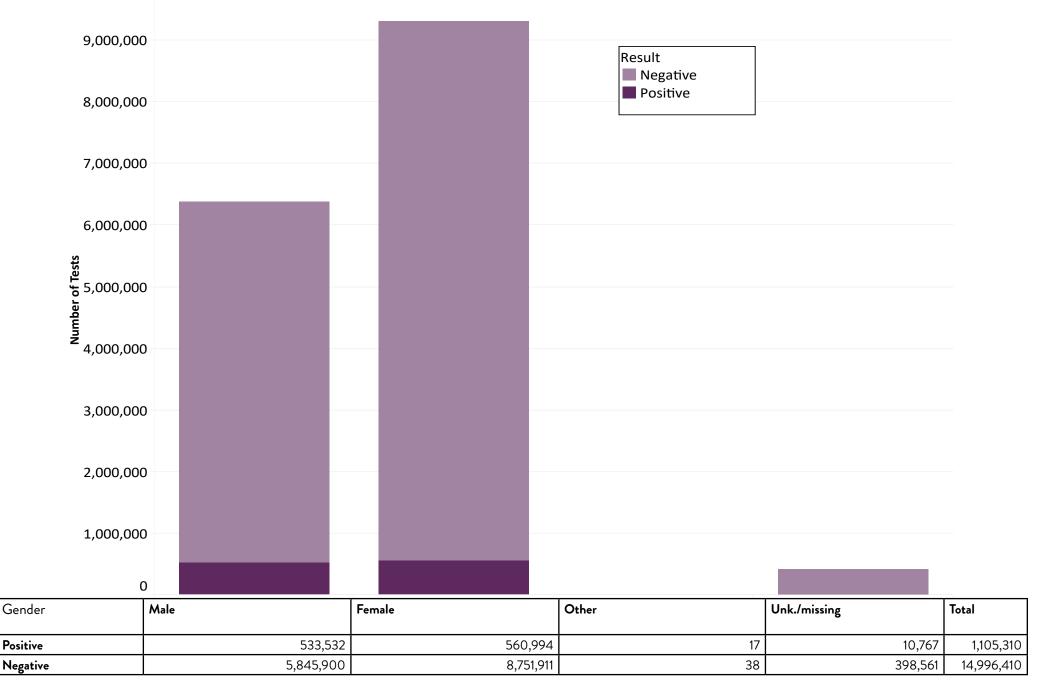
Testing Demographics: Age

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

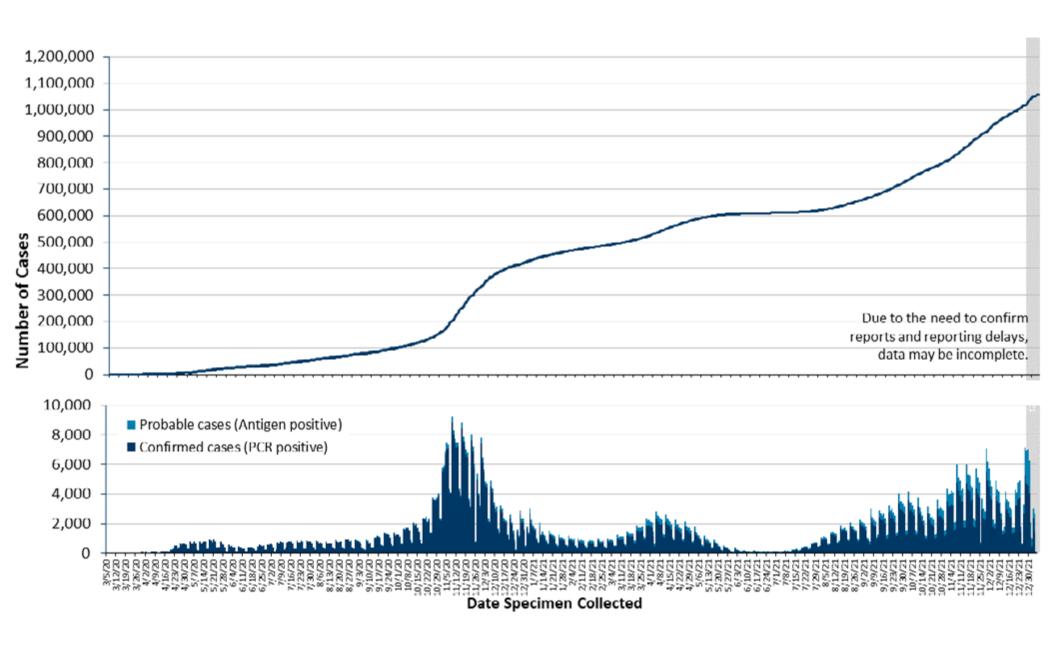
Number of positive and negative tests by gender. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations, inconclusive test results are not included (inconclusive test results are those that are not clearly positive or negative).



Positive COVID-19 Cases

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



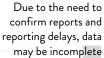


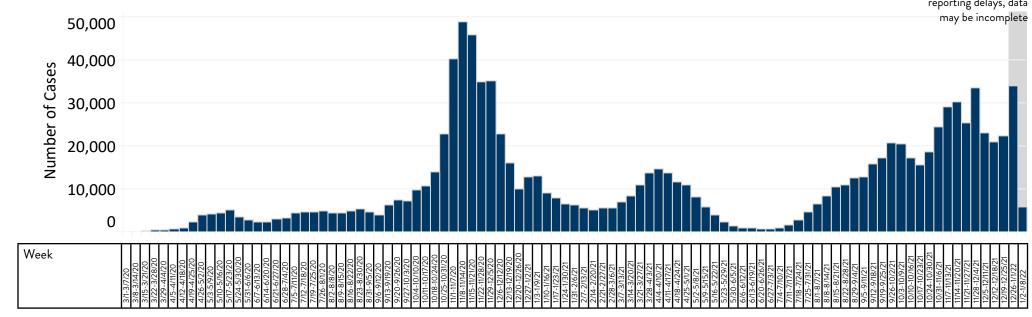
■ Tables of current data: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

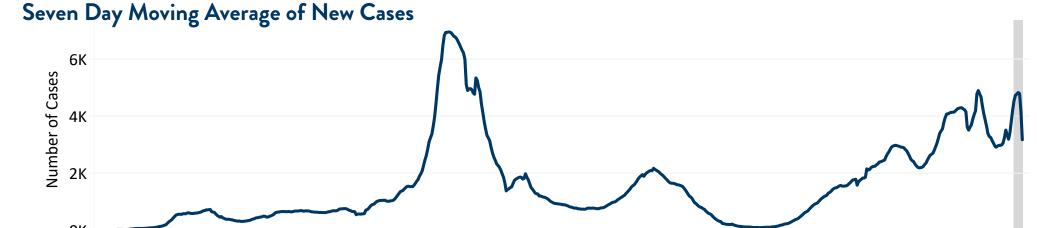
New Cases by Week, 7-Day Average

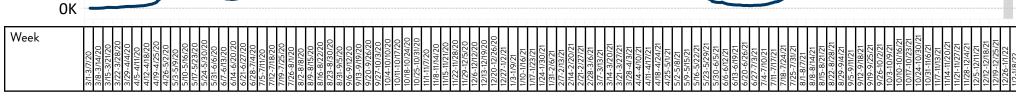
Cases by week of specimen collection date, and 7-day moving average of new cases.





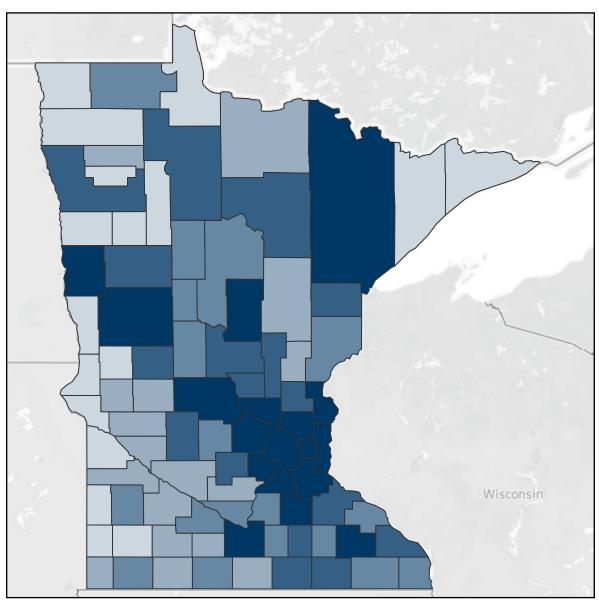






Cases by County of Residence Cumulative number of positive cases by county of residence, cases no longer needing isolation. Cases

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.



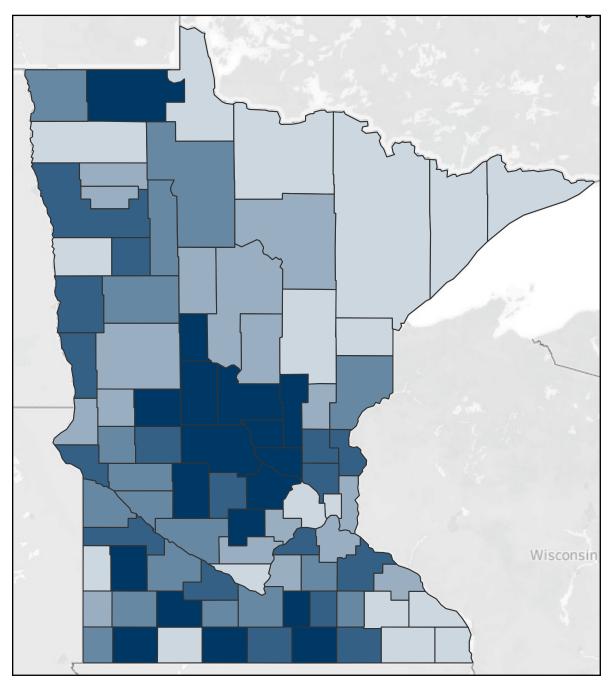
- Up to date data for this chart is provided in the Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)
- Confirmed cases by USPS zip code of residence is available as a downloadable CSV file at: Minnesota COVID-19
 Weekly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

1,056,236 Total Positive Cases (cumulative)

1,005,849
No Longer Needing Isolation (cumulative)

County	Cases	Cases no longer needing isolation	County	Cases	Cases no longer needing isolation
Aitkin	2,438	2,366	Martin	4,328	4,157
Anoka	74,431	70,733	McLeod	7,969	7,786
Becker	6,690	6,533	Meeker	4,782	4,659
Beltrami	8,968	8,641	Mille Lacs	5,901	5,712
Benton	10,185	9,868	Morrison	7,228	7,065
Big Stone	1,052	1,001	Mower	8,307	7,832
Blue Earth	13,063	12,588	Murray	1,653	1,596
Brown	5,118	4,947	Nicollet	5,864	5,640
Carlton	6,213	6,021	Nobles	5,580	5,386
Carver	19,431	18,617	Norman	1,100	1,084
Cass	5,433	5,309	Olmsted	25,593	24,658
Chippewa	2,369	2,302	Otter Tail	10,687	10,390
Chisago	11,200	10,896	Pennington	2,722	2,631
Clay	13,478	13,017	Pine	5,741	5,617
Clearwater	1,713	1,665	Pipestone	1,650	1,586
Cook	374	351	Polk	6,426	6,270
Cottonwood	2,527	2,444	Pope	2,317	2,256
Crow Wing	12,313	12,042	Ramsey	88,614	82,302
Dakota	79,580	75,224	Red Lake	746	724
Dodge	4,039	3,946	Redwood	3,061	2,972
Douglas	8,603	8,393	Renville	2,905	2,817
Faribault	2,903	2,786	Rice	12,854	12,328
Fillmore	3,491	3,416	Rock	1,905	1,818
Freeborn	6,575	6,257	Roseau	3,443	3,366
Goodhue	9,488	9,081	Scott	30,229	28,860
Grant	1,135	1,103	Sherburne	21,318	20,711
Hennepin	215,242	199,689	Sibley	2,822	2,776
Houston	3,259	3,117	St. Louis	33,689	32,369
Hubbard	3,837	3,737	Stearns	37,643	36,666
Isanti	7,981	7,729	Steele	7,727	7,472
Itasca	8,572	8,362	Stevens	1,928	1,871
Jackson	1,751	1,705	Swift	1,839	1,798
Kanabec	2,873	2,775	Todd	5,334	5,231
Kandiyohi	10,592	10,393	Traverse	637	622
Kittson	874	827	Wabasha	4,175	4,091
Koochiching	2,027	1,958	Wadena	3,268	3,194
Lac qui Parle	1,366	1,308	Waseca	4,344	4,222
Lake	1,494	1,448	Washington	47,807	45,259
Lake of the Woods	576	560	Watonwan	2,196	2,145
Le Sueur	5,149	5,017	Wilkin	1,307	1,271
Lincoln	964	938	Winona	8,701	8,366
Lyon	5,767	5,526	Wright	29,295	28,330
Mahnomen	1,173	1,144	Yellow Medicine	2,050	1,980
Marshall	1,677	1,627	Unknown/missing	567	556

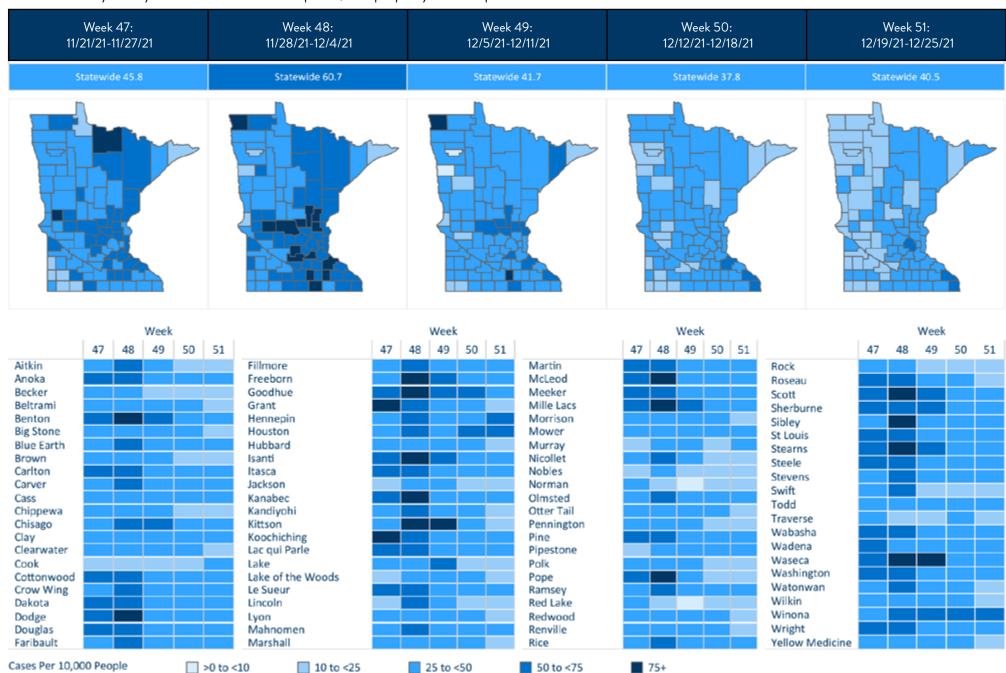
Cumulative number of cases by county of residence per 10,000 people.



	per 10,000 people		
County	Cumulative Rate	County	Cumulative Rate
Aitkin	1,540	Martin	2,168
Anoka	2,142	McLeod	2,224
Becker	1,981	Meeker	2,072
Beltrami	1,945	Mille Lacs	2,294
Benton	2,560	Morrison	2,194
Big Stone	2,097	Mower	2,098
Blue Earth	1,970	Murray	1,979
Brown	2,030	Nicollet	1,736
Carlton	1,748	Nobles	2,555
Carver	1,935	Norman	1,677
Cass	1,872	Olmsted	1,672
Chippewa	1,973	Otter Tail	1,843
Chisago	2,047	Pennington	1,919
Clay	2,146	Pine	1,971
Clearwater	1,944	Pipestone	1,796
Cook	704	Polk	2,034
Cottonwood	2,222	Pope	2,110
Crow Wing	1,928	Ramsey	1,636
Dakota	1,903	Red Lake	1,861
Dodge	1,962	Redwood	1,997
Douglas	2,312	Renville	1,973
Faribault	2,089	Rice	1,955
Fillmore	1,671	Rock	2,024
Freeborn	2,154	Roseau	2,227
Goodhue	2,053	Scott	2,108
Grant	1,911	Sherburne	2,287
Hennepin	1,742	Sibley	1,892
Houston	1,746	St. Louis	1,684
Hubbard	1,839	Stearns	2,400
Isanti	2,048	Steele	2,107
Itasca	1,896	Stevens	1,971
Jackson	1,743	Swift	1,954
Kanabec	1,795	Todd	2,182
Kandiyohi	2,483	Traverse	1,909
Kittson	2,015	Wabasha	1,942
Koochiching	1,603	Wadena	2,395
Lac qui Parle	2,017	Waseca	2,310
Lake	1,414	Washington	1,887
Lake of the Woods	1,512	Watonwan	2,001
Le Sueur	1,840	Wilkin	2,061
Lincoln	1,689	Winona	1,711
Lyon	2,232	Wright	2,207
Mahnomen	2,130	Yellow Medicine	2,077
Marshall	1,786		
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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.



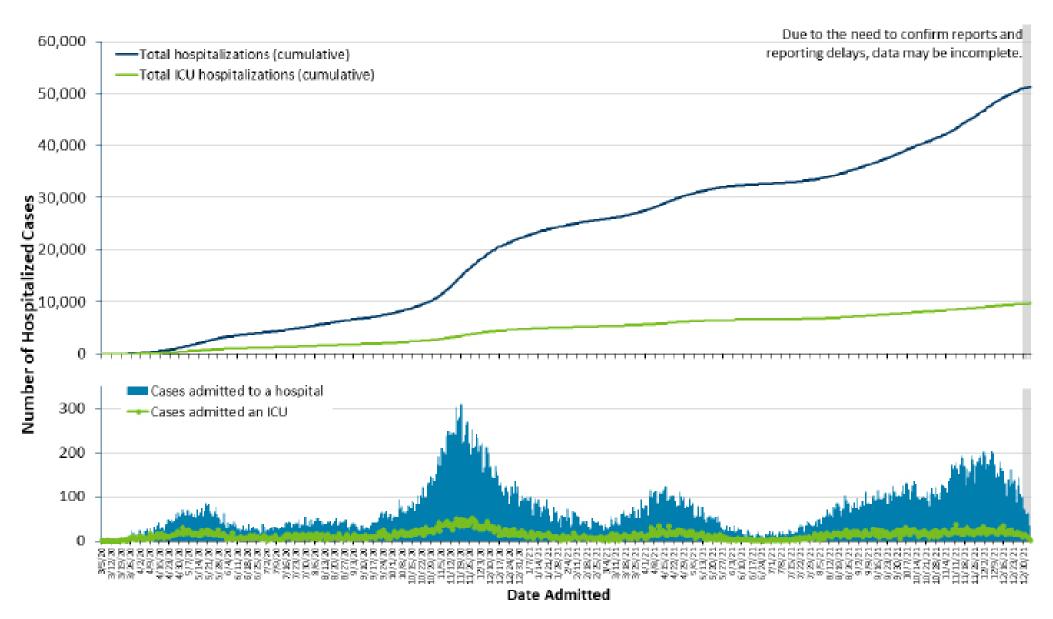
Downloadable CSV file of current data for these maps is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

Hospitalizations, ICU Hospitalizations

51,557
Total Hospitalizations
(cumulative)

10,099
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.

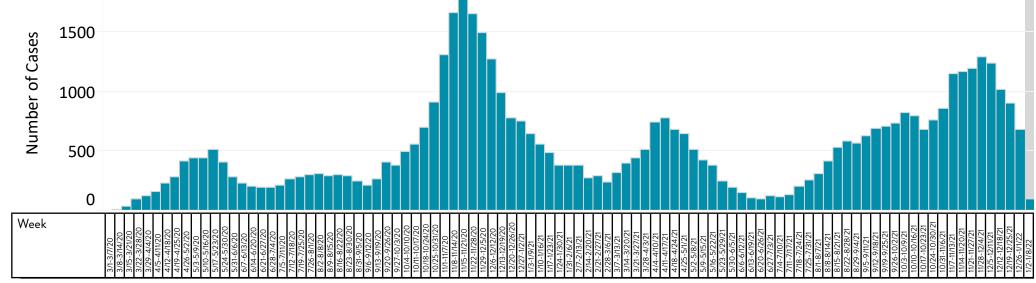


[■] Tables of current data: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

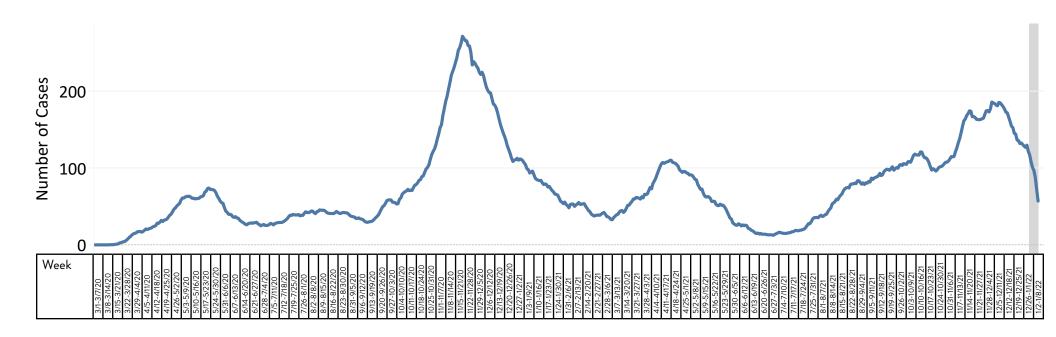
Hospitalizations by Week, 7-Day Average

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





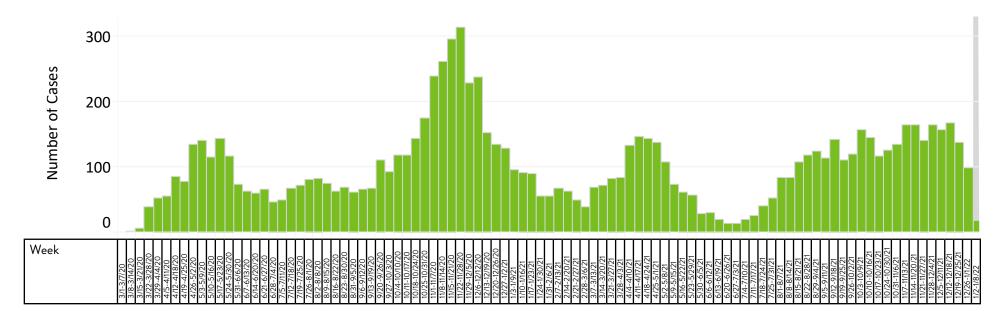
Seven Day Moving Average of New Hospitalizations



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



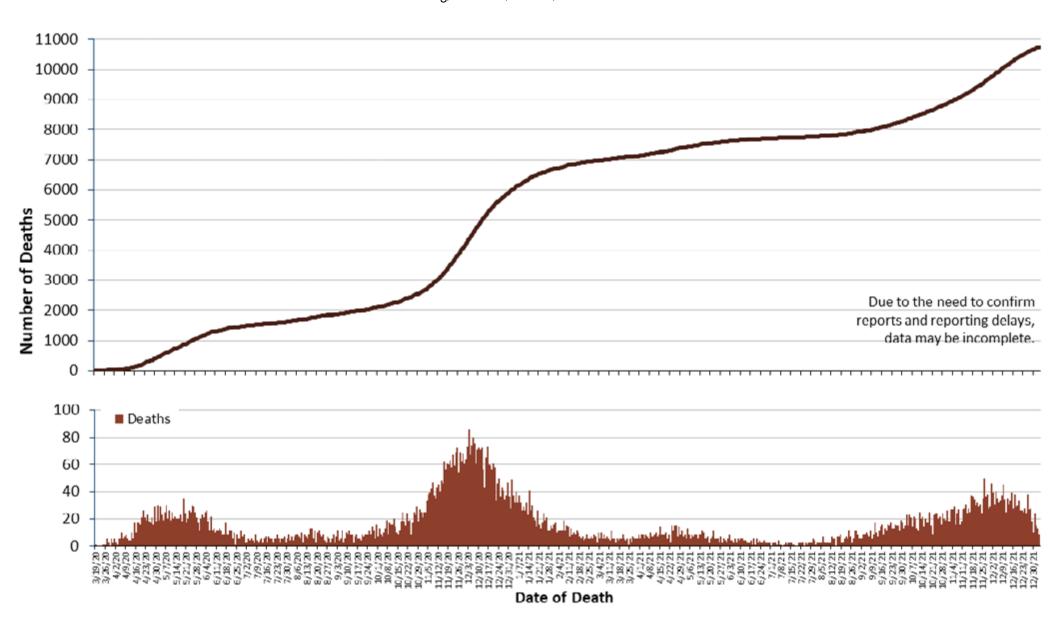
Seven Day Moving Average of New ICU Hospitalizations



COVID-19 Deaths

10,733
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.).

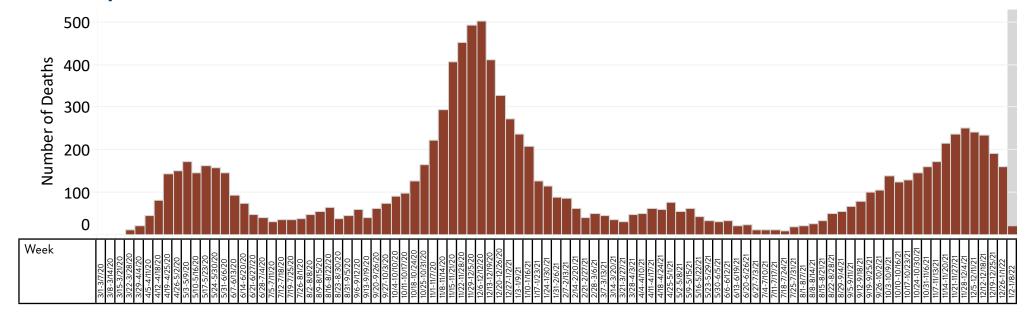


[■] Tables of current data and more information about total deaths (also known as total deaths with laboratory testing) and non-laboratory-confirmed deaths: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

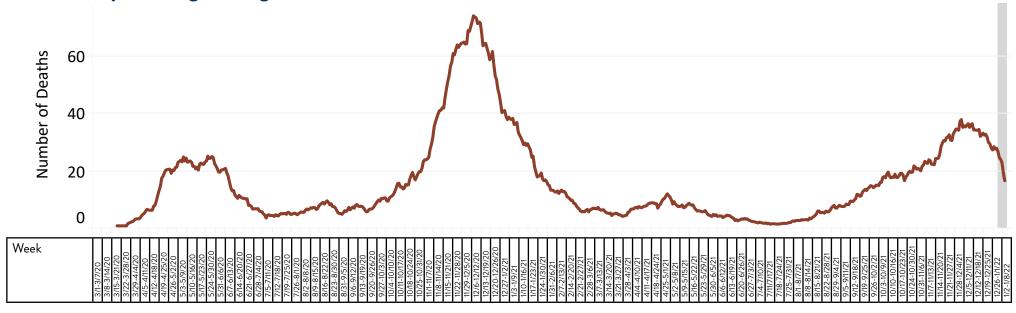
Deaths by Week, 7-Day Average

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

Deaths by Week of Death

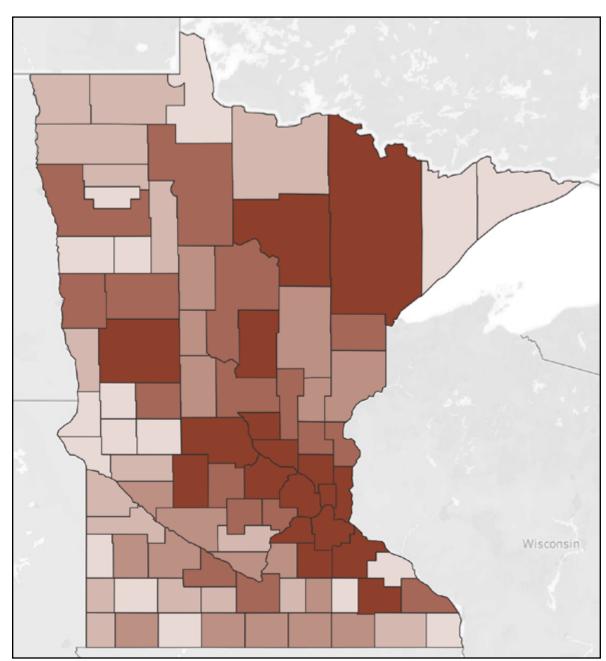


Seven Day Moving Average of Deaths



Deaths by County of Residence

Cumulative number of deaths by county of residence.

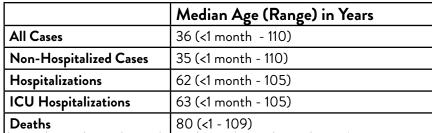


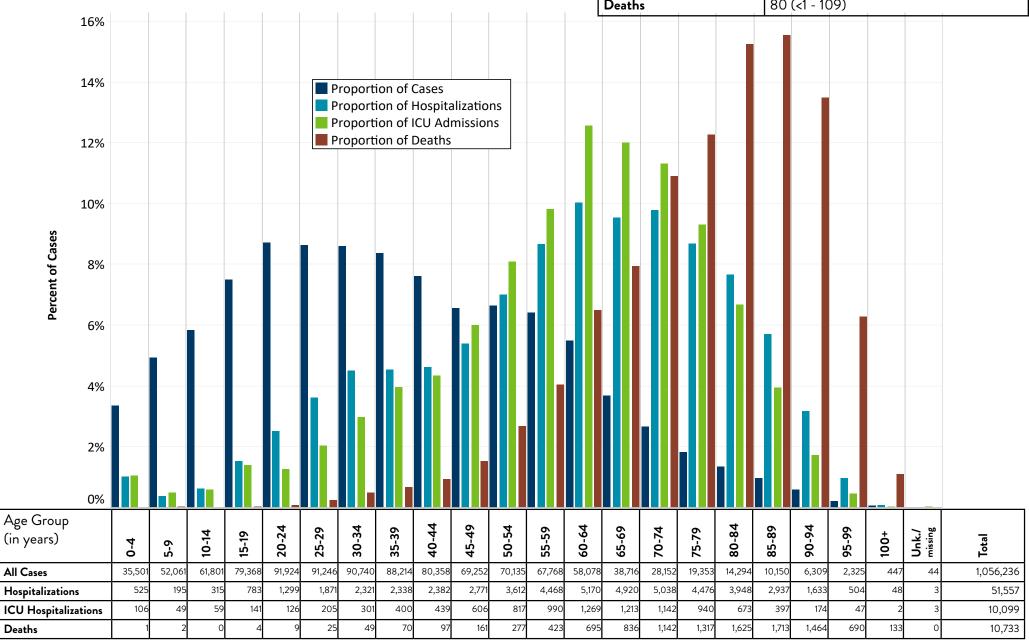
■ Up to date data for this chart is provided in the Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

County Deaths County Deaths Arikin 55 Martin 52 Anoka 686 McLeod 95 Becker 81 Meeker 68 Beltrami 111 Mille Lacs 97 Benton 143 Morrison 89 Big Stone 7 Mower 58 Biue Earth 84 Murray 148 Brown 69 Nicollet 62 Carlton 81 Nobles 56 Carver 92 Norman 10 Cars 65 Olmsted 143 Chispewa 43 Otter Tail 147 Chisago 103 Pennington 32 Clay 114 Pine 48 Chisago 103 Pennington 32 Clay 114 Pine 48 Chisago 103 Pennington 32 Clay 114 Pine		Death's (cumulative)		
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Demographics: Age

Age groups, median age, and range for cases.

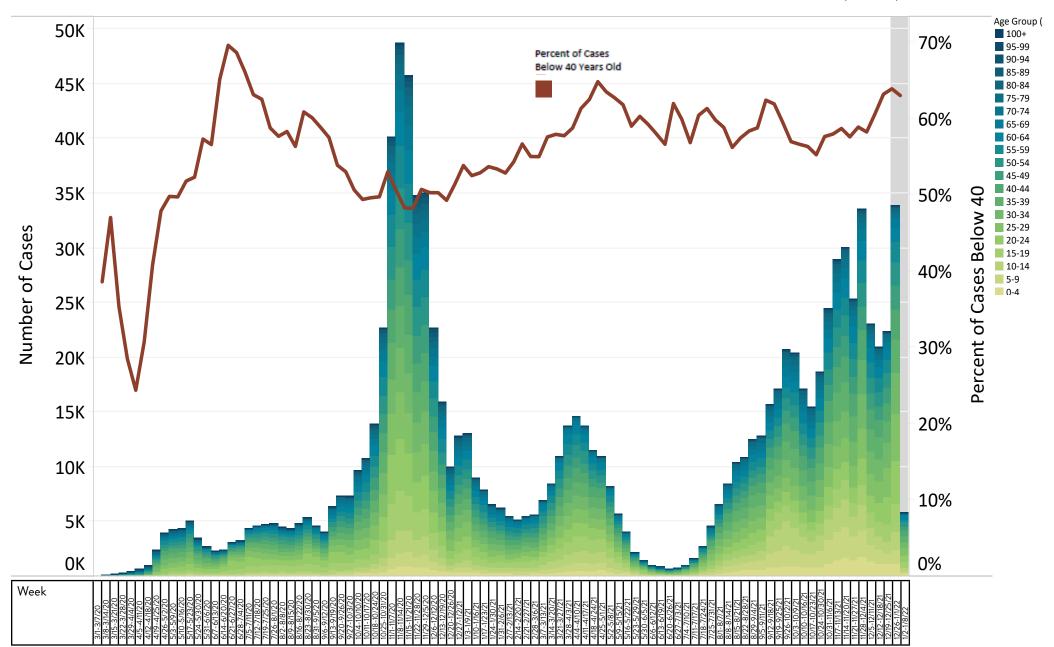




Cases by Age Group and Specimen Collection Date

Cases by age group by date of specimen collection in Minnesota.

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

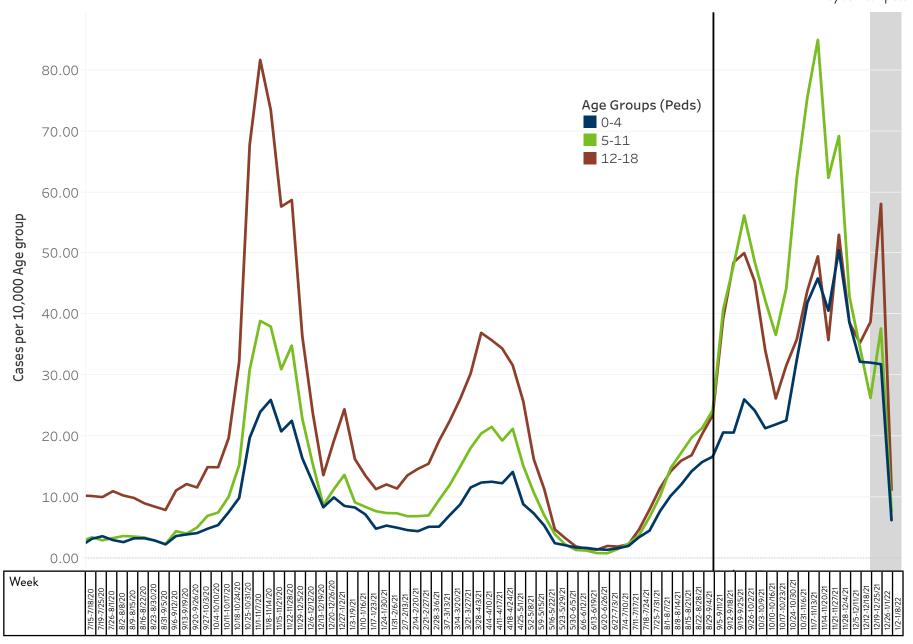


Downloadable CSV file of current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

Case Rate in Children by Specimen Collection Date

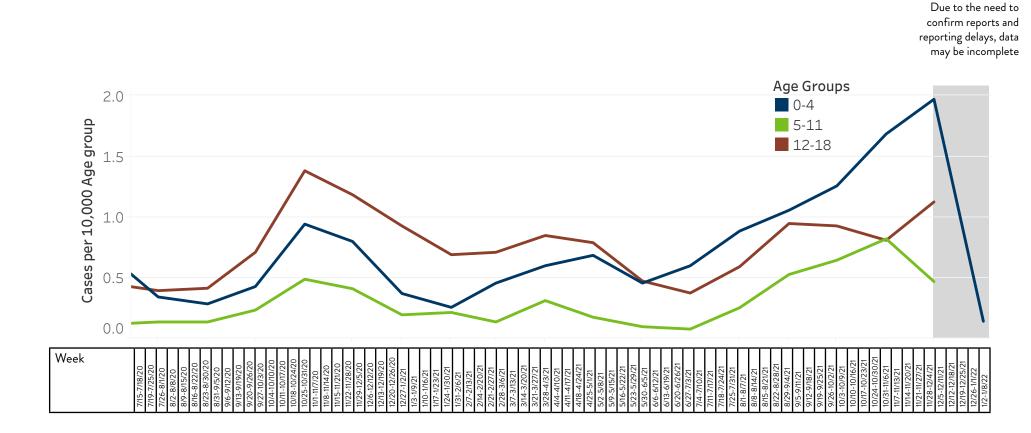
Cases by age group for children in Minnesota (cases 18 years of age and under) per 10,000 people by date of specimen collection.

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



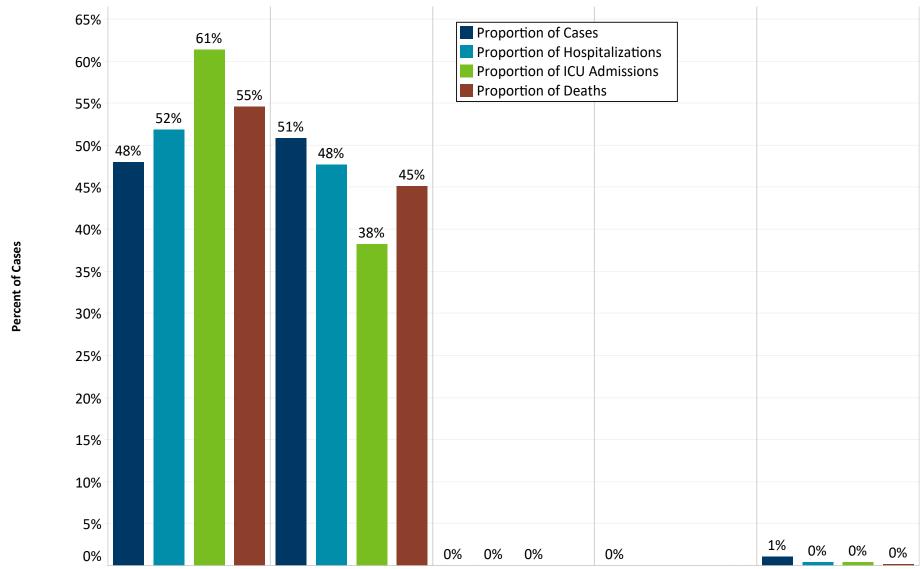
Hospitalization Rate in Children by Specimen Collection Date

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

Gender is collected during case interview and is self-reported.

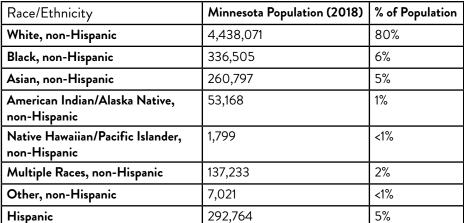


Gender	Male	Female	Other	Unk./missing	Total
All Cases	507,181	537,577	161	11,317	1,056,236
Hospitalizations	26,749	24,560	3	245	51,557
ICU Hospitalizations	6,198	3,858	1	42	10,099
Deaths	5,842	4,860	0	31	10,733

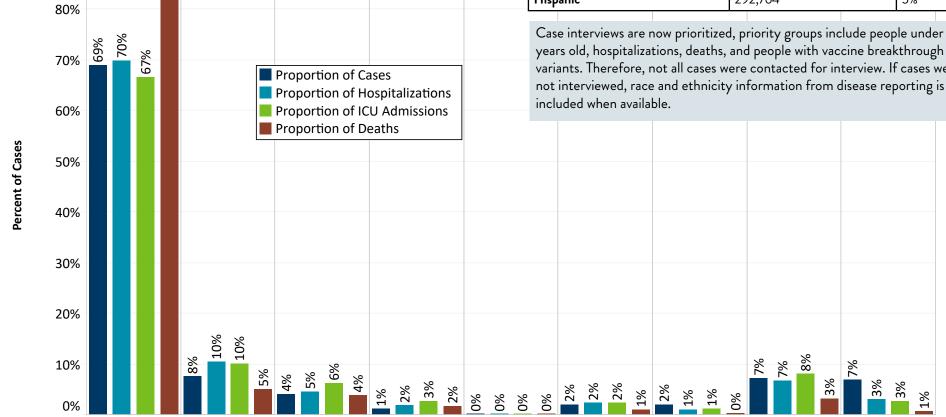
Demographics: Race & Ethnicity

Race and ethnicity is reported during case interview. Individuals who report more than one race are categorized into the multiple race category.

90%



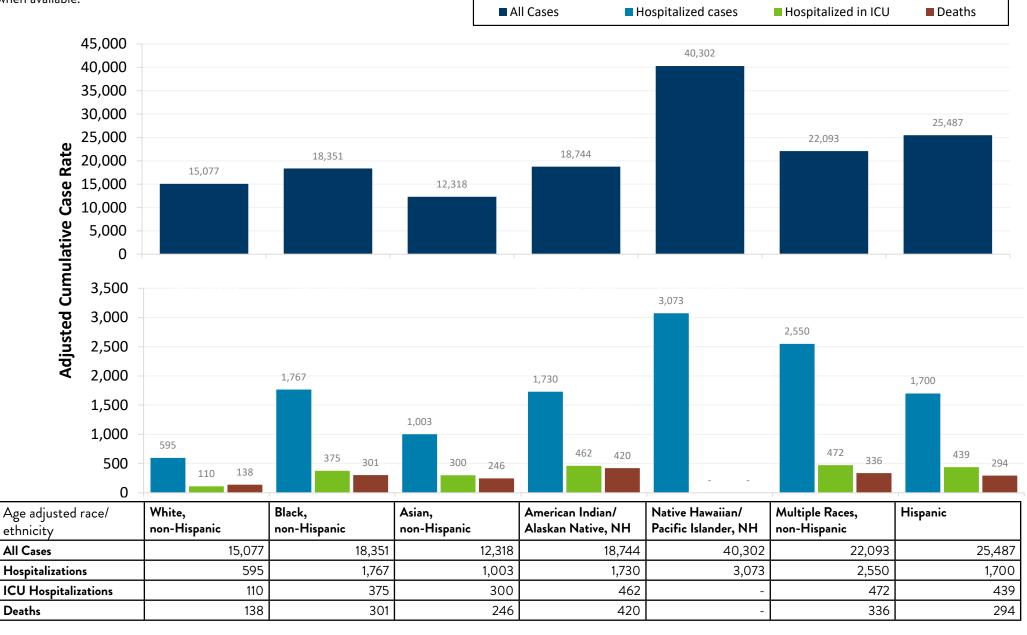
Case interviews are now prioritized, priority groups include people under 18 years old, hospitalizations, deaths, and people with vaccine breakthrough or variants. Therefore, not all cases were contacted for interview. If cases were



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	729,263	79,399	42,042	12,803	1,323	21,360	20,544	76,726	72,776	1,056,236
Hospitalizations	36,007	5,361	2,323	984	75	1,241	547	3,456	1,563	51,557
ICU Hospitalizations	6,722	1,020	636	264	16	241	111	811	278	10,099
Deaths	9,073	515	397	184	12	106	34	328	84	10,733

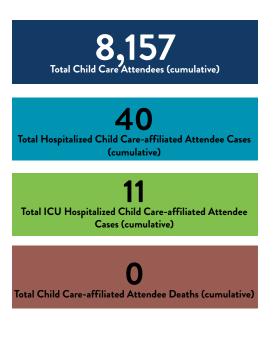
Age-Adjusted Race & Ethnicity Rates

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 Settings

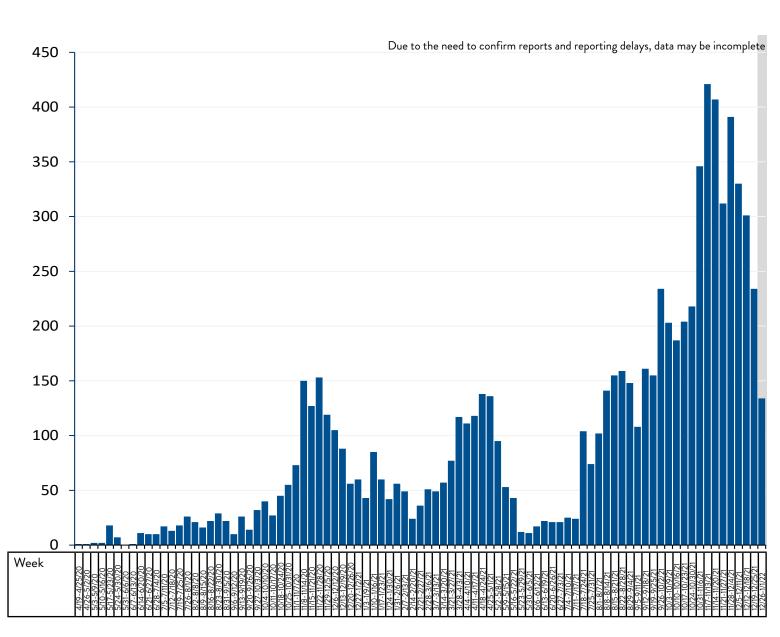
Cases of COVID-19 among children who attended child care with potential exposure in child care settings by specimen collection date. Data also include hospitalizations, ICU hospitalizations, and deaths of attendees and staff associated with a childcare program. All adult cases are not routinely interviewed. 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.





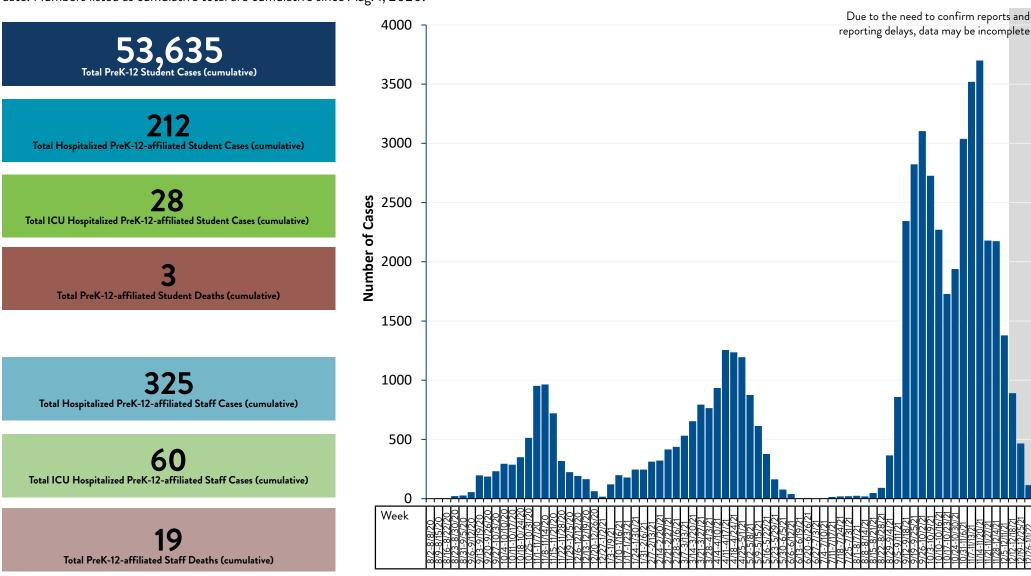
Total ICU Hospitalized Child Care-affiliated Staff Cases
(cumulative)

Total Child Care-affiliated Staff Deaths (cumulative)



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.



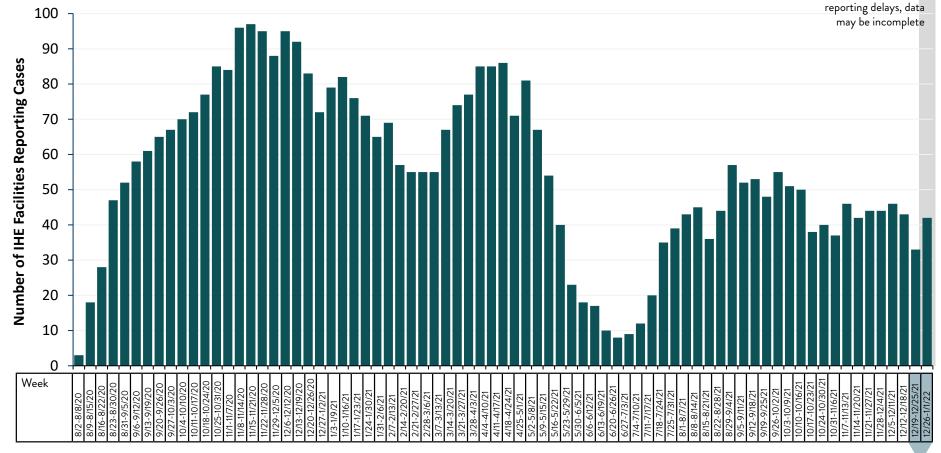
[■] A list of School buildings reporting 5 or more cases of COVID-19 in students who were in the building while infectious during a two-week reporting period by county is available in the COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

Minnesota IHE Facilities Reporting Cases

Number of facilities that have had cases of COVID-19 in faculty, staff, and students working or enrolled at a Minnesota IHE while they were potentially exposed to or able to spread COVID-19. IHE include colleges, universities, and private career schools. Number of IHE Facilities reporting cases by week are by specimen collection date. Numbers listed as cumulative total are cumulative since Aug. 1, 2020.

154
Total IHE Facilities that have Reported at Least One Case (cumulative)

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

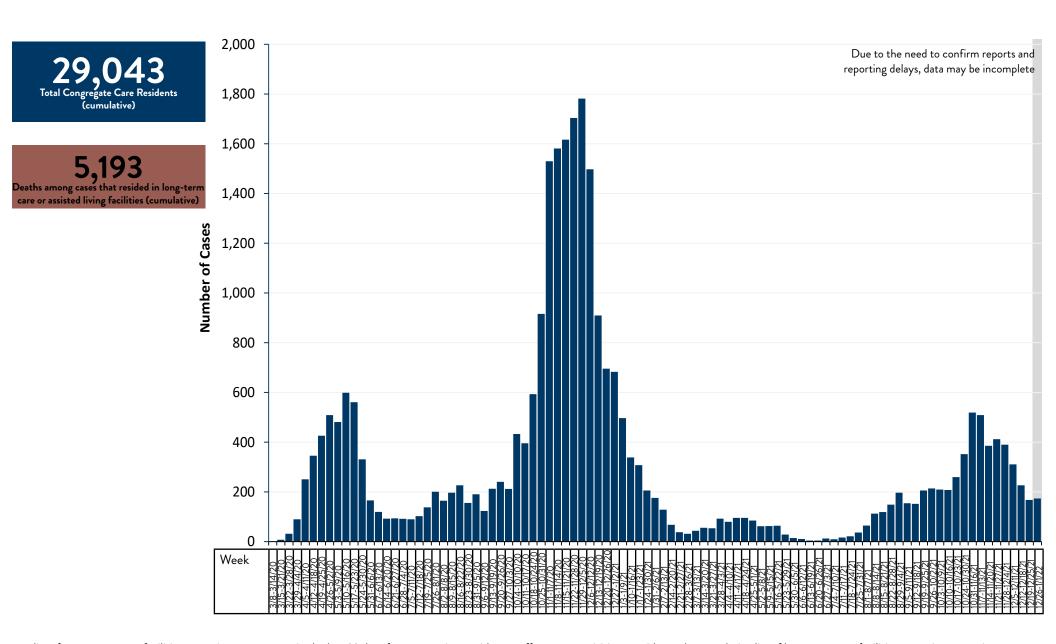


The IHE facility data will be changing in the coming weeks. This information is no longer collected for all cases.

Cases per IHE facility	Number of IHEs reporting cases 12/19/21-1/1/22
1-10 cases	51
11-30 cases	3
31-99 cases	1
≥100 cases	0
Total	55

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.

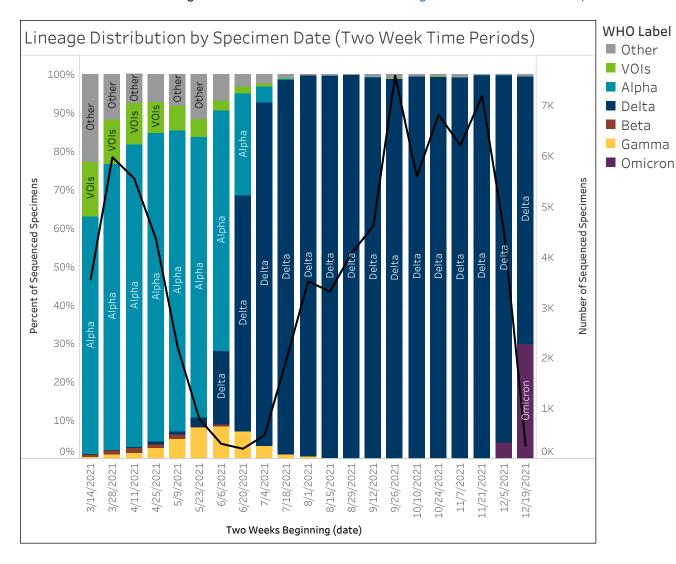


A list of congregate care facilities reporting an exposure in the last 28 days from a case in a resident, staff person, or visiting provider and a cumulative list of long-term care facilities reporting a case in a resident, staff person, or visiting service provider are available on: Minnesota Situation Update for Coronavirus Disease 2019 (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

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 WHO: Tracking SARS-CoV-2 variants (https://www.who.int/en/activities/tracking-SARS-CoV-2-variants/)

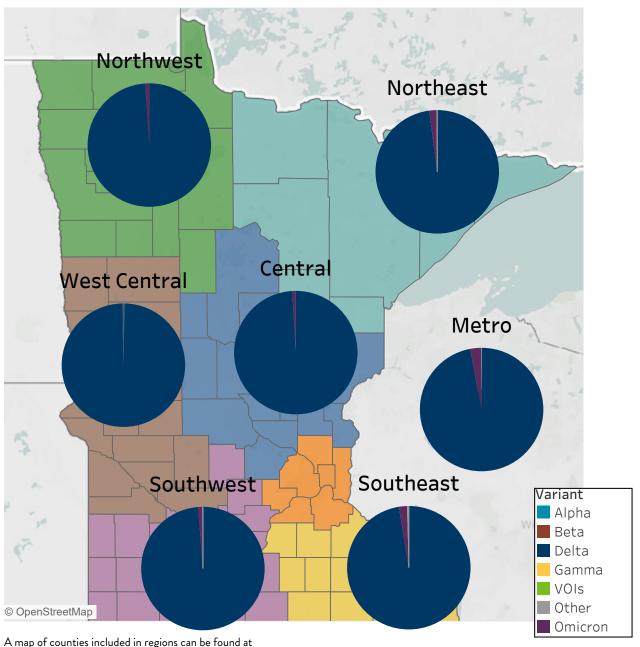


V	Variant Distribution Since 11/21/2021*					
Delta	B.1.617.2	83.81%				
	AY.3	13.66%				
	AY.1	0.08%				
Alpha	B.1.1.7	0.02%				
Other	Other	0.11%				
Omicron	B.1.1.529	2.33%				

^{*}All VOI and VOC are included in this list, as well as any lineages that account for ≥1% of all specimens sequenced since 11/21/2021. 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	98.95%	Delta	97.93%
Gamma	0.00%	Gamma	0.00%
Omicron	1.05%	Omicron	1.87%
Other	0.00%	Other	0.21%
VOIs	0.00%	VOIs	0.00%
West Central		Central	
Alpha	0.30%	Alpha	0.00%
Beta	0.00%	Beta	0.00%
Delta	99.41%	Delta	99.09%
Gamma	0.00%	Gamma	0.00%
Omicron	0.30%	Omicron	0.91%
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	98.75%	Delta	97.45%
Gamma	0.00%	Gamma	0.00%
Omicron	1.09%	Omicron	2.09%
Other	0.16%	Other	0.46%
VOIs	0.00%	VOIs	0.00%
Metro			
Alpha	0.01%		
Beta	0.00%		
Delta	97.04%		
Gamma	0.00%		
Omicron	2.84%		
Other	0.11%		
VOIs	0.00%		

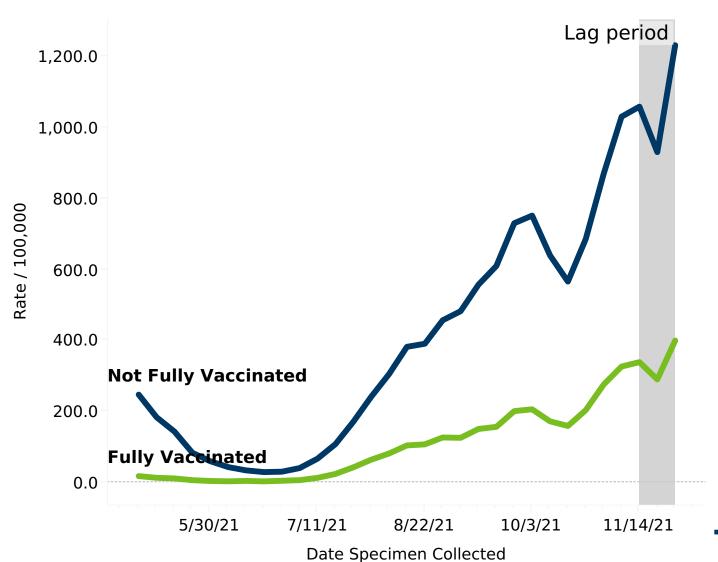
A map of counties included in regions can be found at

Map of Field Services Epidemiologists (https://www.health.state.mn.us/about/org/idepc/epis.html).

Vaccine Breakthrough (VBT) Cases

Vaccine breakthrough cases are defined as Minnesota residents with a positive COVID-19 test result (PCR or antigen) with a symptom onset date (or collection date if asymptomatic) 14 or more days after they have completed all recommended doses of a COVID-19 vaccine. VBT data has a lag period of one month for reporting purposes and excludes the rates prior to May since vaccine was not readily available to all Minnesotans prior to that date.

The rate per 100,000 people is calculated as the number of fully vaccinated people who test positive for SARS-CoV-2 divided by the total number of fully vaccinated people, multiplied by 100,000.



3,346,294
Total number of fully vaccinated Minnesotans age 12 and older (as of the week beginning 11/28/21)

142,583
Total VBT Cases (cumulative)

All VBT data in this report is as of 1/3/22

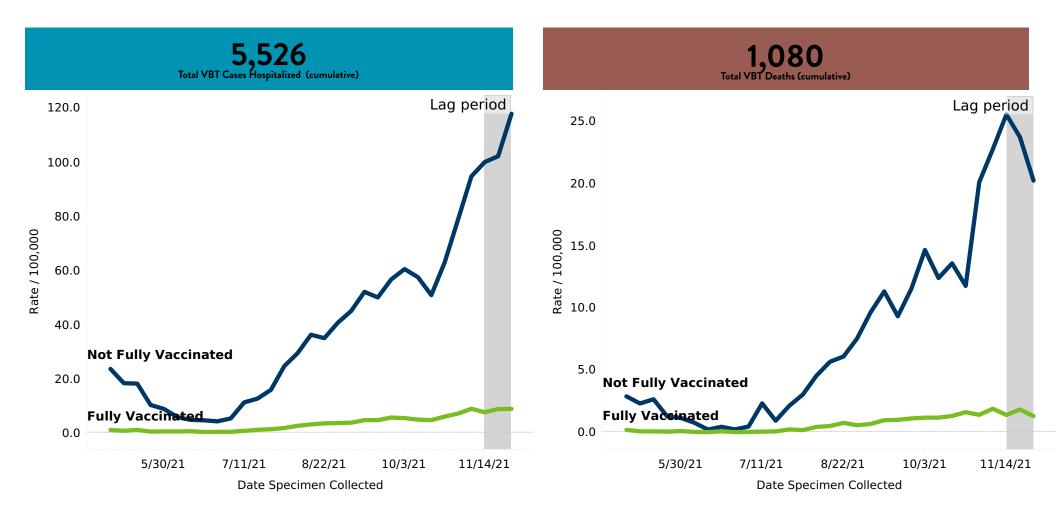
Last week's report had an error for the "Total number of fully vaccinated Minnesotans age 12 and older (as of the week beginning 11/21/21)." The calculation included vaccination data from within the lag period. This has been corrected, but as a result, this week's "Total number of fully vaccinated Minnesotans age 12 and older (as of the week beginning 11/28/21)" will appear lower than what was reported last week.

More information about vaccine breakthrough, and data updated every Monday are available on:

COVID-19 Vaccine Breakthrough Weekly Update
(www.health.state.mn.us/diseases/coronavirus/stats/vbt.html)

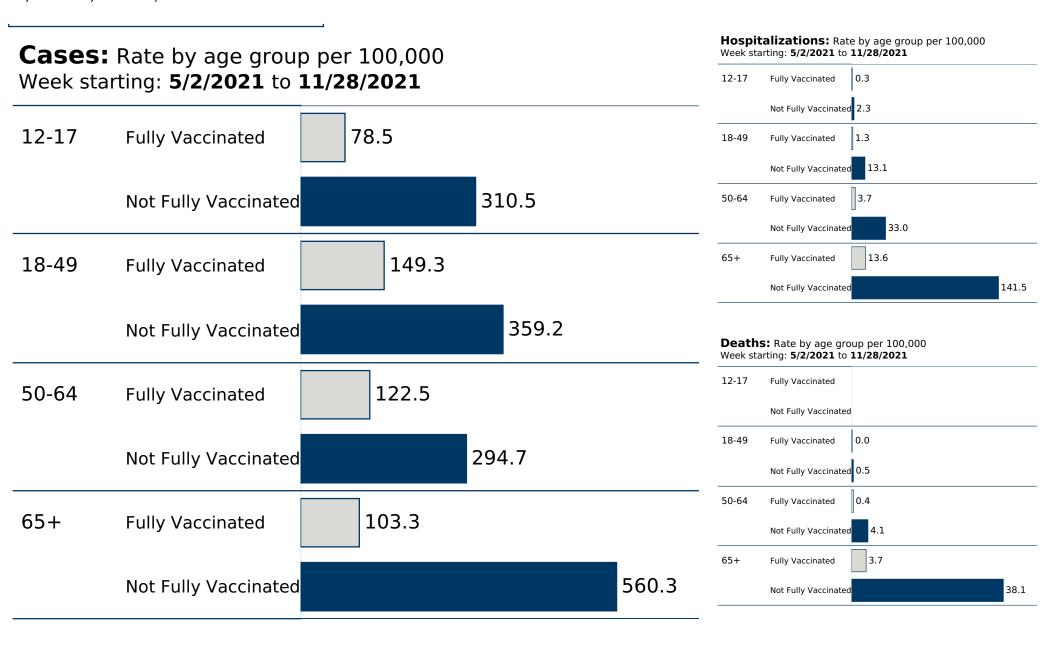
VBT Hospitalizations and Deaths

These graphs show the rate of hospitalization and death among vaccinated and unvaccinated COVID-19 cases since vaccine was widely available to the general adolescent and adult population in May 2021. Fully vaccinated is defined as 14 or more days after they have completed all recommended doses of a COVID-19 vaccine.



VBT Cases, Hospitalizations, and Deaths by Age Group

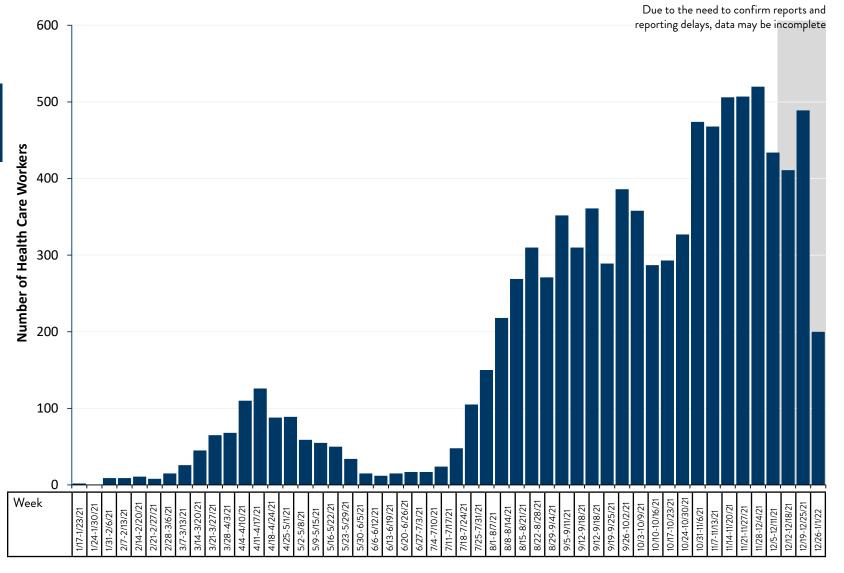
These graphs show vaccine breakthrough cases stratified by age to better illustrate the impact of COVID-19 across different age groups. Fully vaccinated is defined as 14 or more days after they have completed all recommended doses of a COVID-19 vaccine.



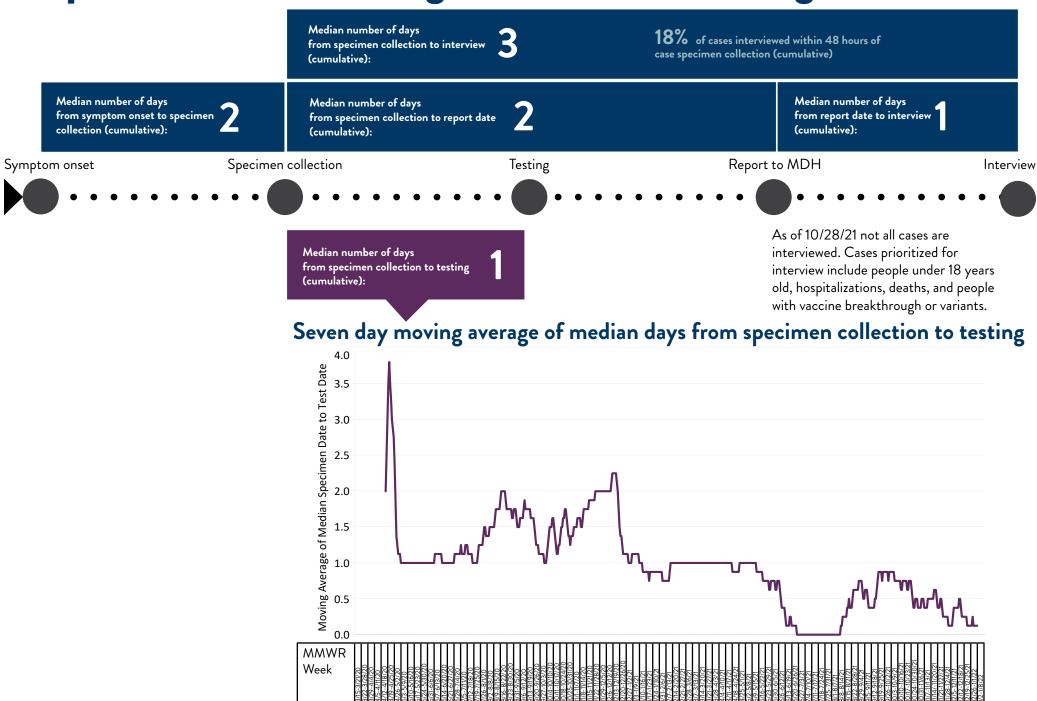
VBT Cases among Health Care Workers

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.

9,312
VBT Cases among Health Care Workers (cumulative)



Response Metrics: Testing and Interview Timing



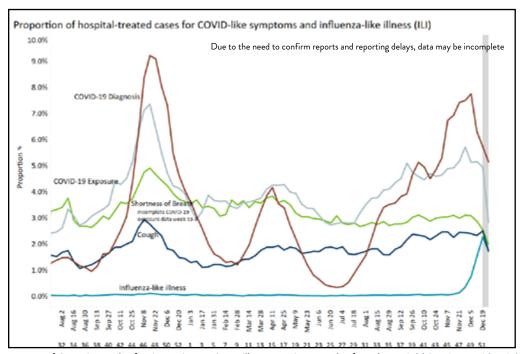
Syndromic Surveillance

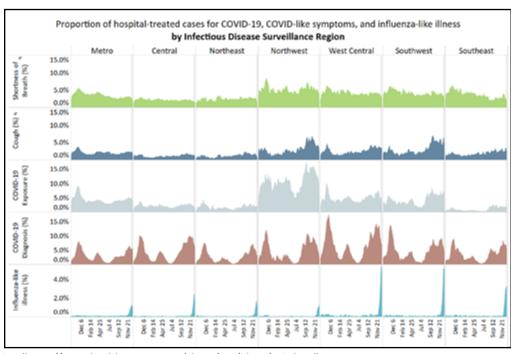
These syndromic surveillance data come from the Encounter Alert Service (EAS), which is utilizing an existing service to support and leverage the development of this activity. These data provide situational awareness to help inform public health decision making, resource allocation, and other actions.

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 January 1, 2022. 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 January 1, 2022, these data represent all patients from about 135 hospitals in Minnesota, covering approximately 90% of the hospital beds statewide. Efforts are underway to expand hospitals to more fully represent the state.



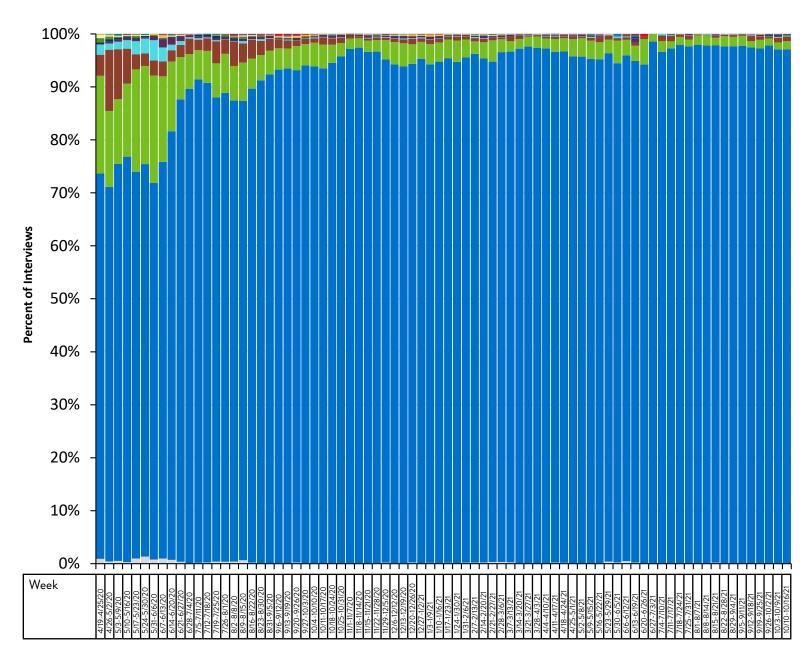


Map of Counties and Infectious Disease Surveillance Regions can be found on: Field Services Epidemiologists (https://www.health.state.mn.us/about/org/idepc/epis.html)

Minnesota Department of Health Weekly COVID-19 Report: Updated 1/6/2022 with data current as of 4 a.m. the previous business day unless specifically noted.

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.



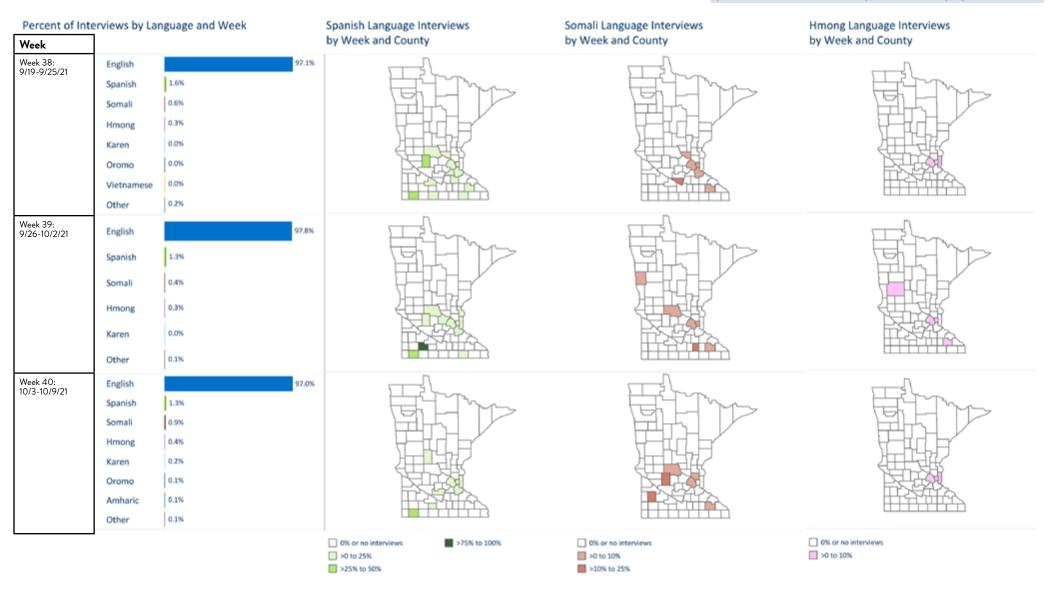
This information is no longer collected for all cases, therefore this data will no longer be updated.

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

Interview Language by County of Residence (Archived)

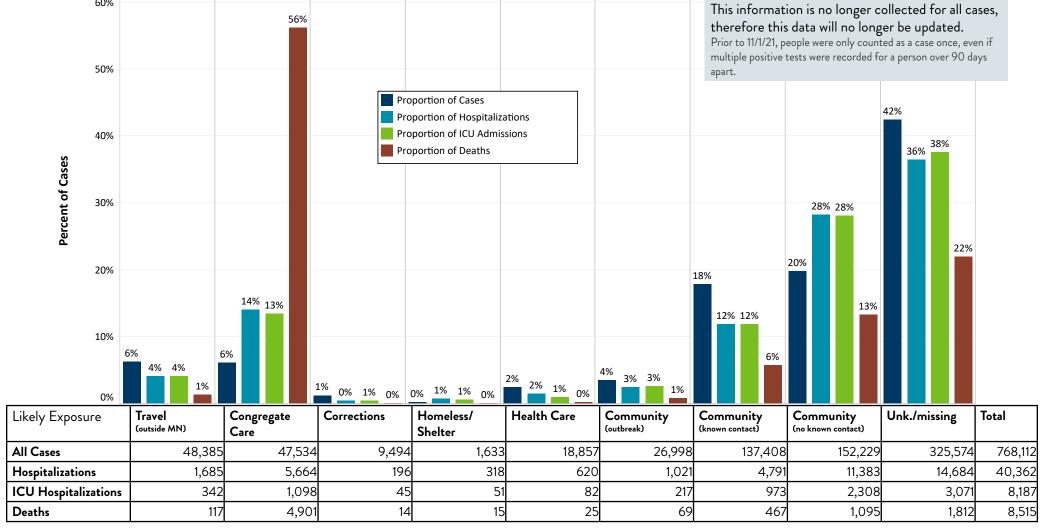
Percent of interviews by language and week of specimen collection by county of residence.

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



Likely Exposure (Archived)

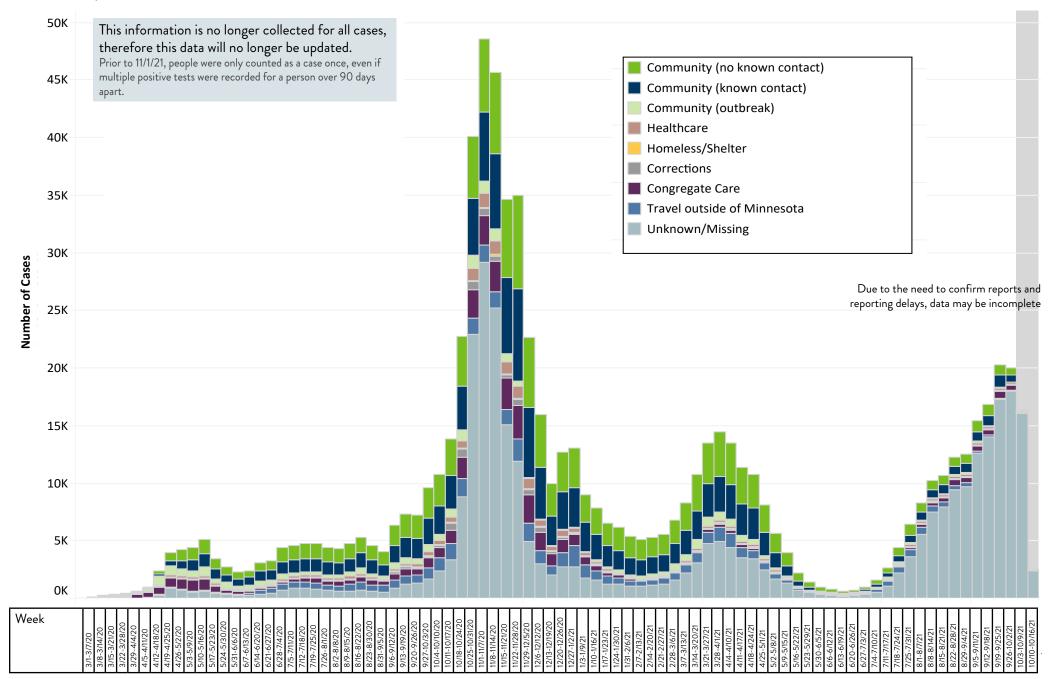
Likely exposure for confirmed and probable cases. Exposure data is collected at case interview. Cases are categorized according to a hierarchy following the order of exposure type: outbreak, travel, LTC staff and residents, corrections, homeless shelter, acute health care, community-exposure with known 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.

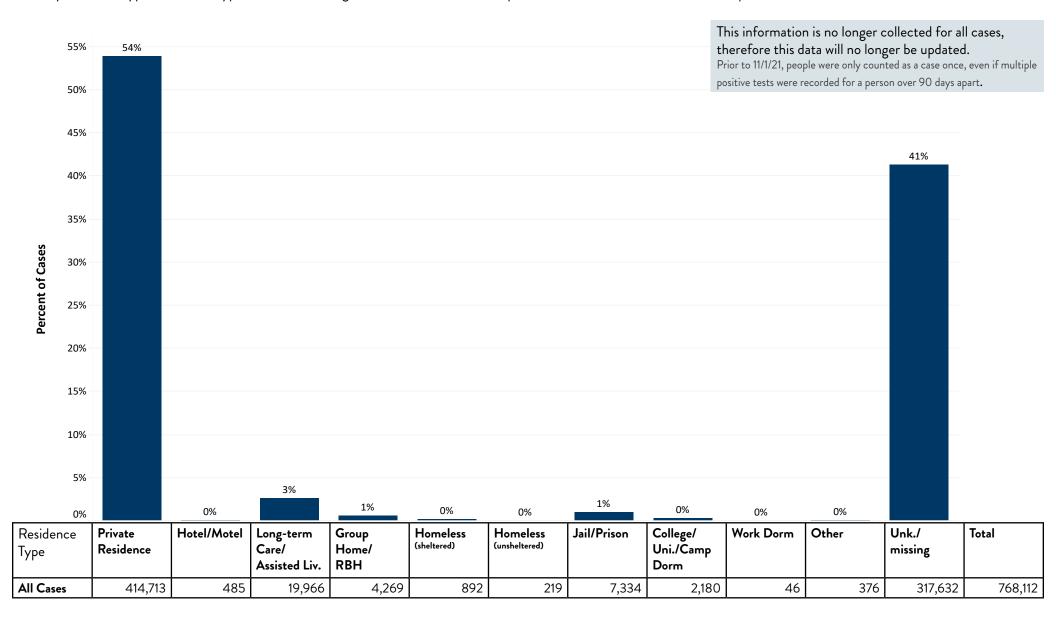
Cases by Likely Exposure and Specimen Collection Date (Archived)

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)

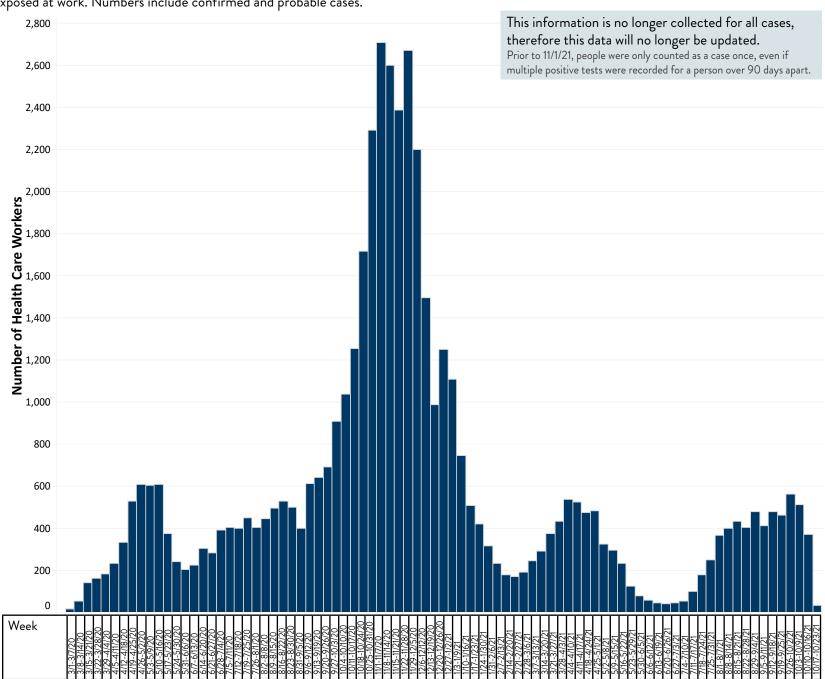
This data is for all cases who reported their occupation as health care staff in acute care or congregate care facilities. Not all cases who are health care workers were exposed at work. Numbers include confirmed and probable cases.



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
High 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

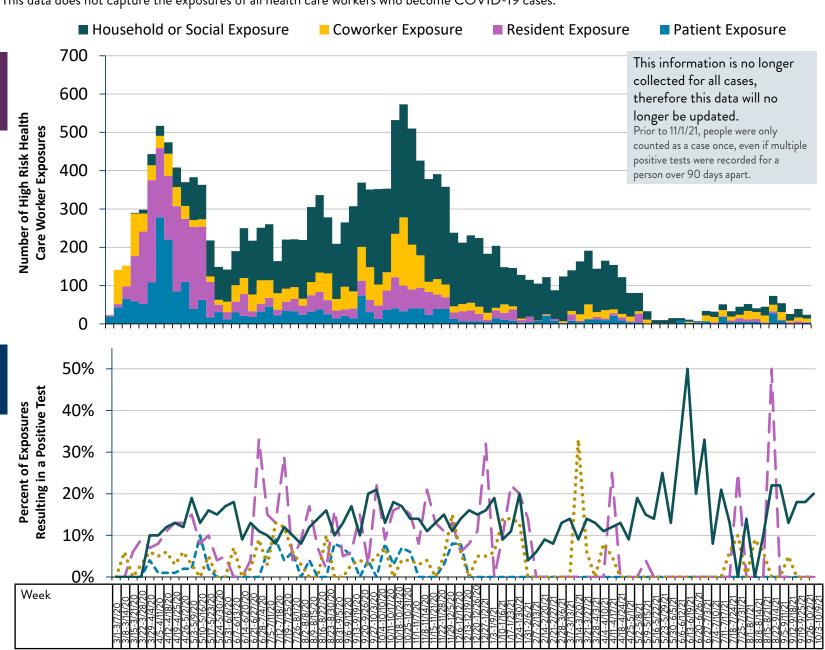
1,667

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

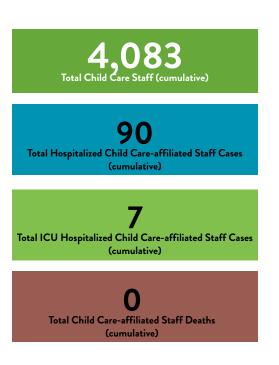
6% HCW tested positive after an exposure at work

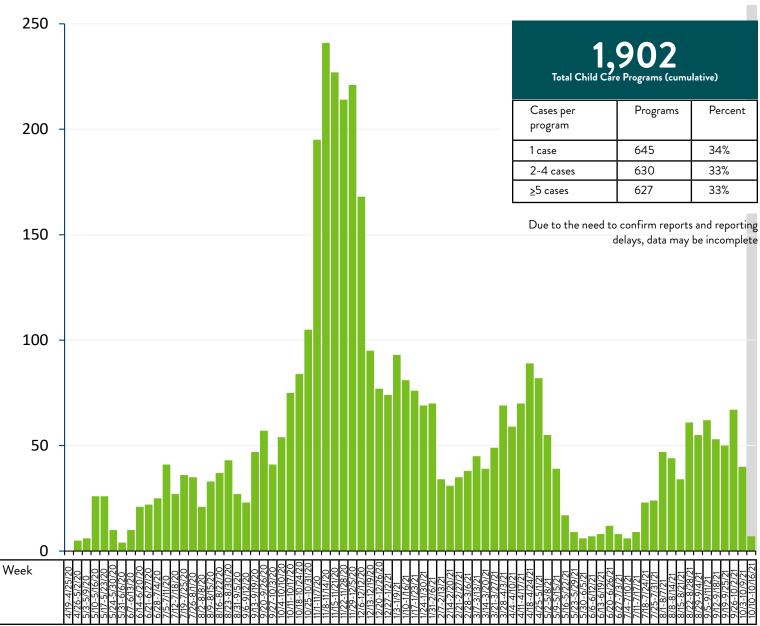


Staff with Potential Exposure in Child Care Settings (Archived)

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.



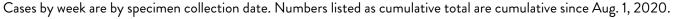


Staff Cases Associated with Pre-K through Grade 12 School Buildings (Archived)

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.





Total PreK-12 School Staff Cases (cumulative)

235

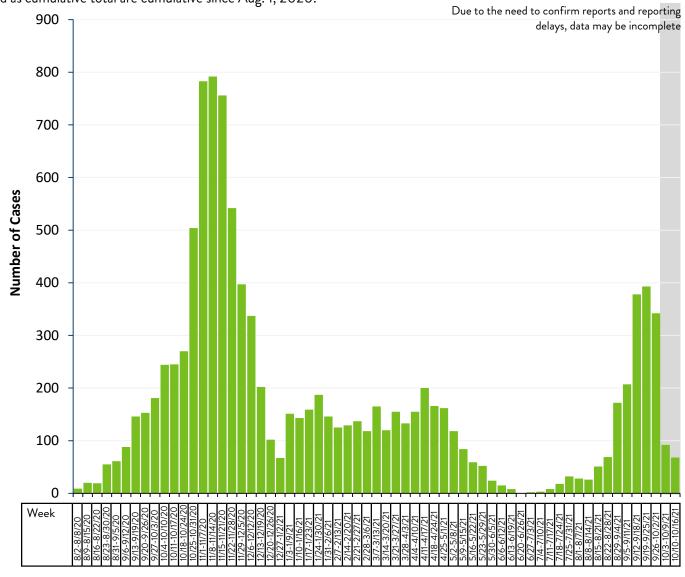
Total Hospitalized PreK-12-affiliated Staff Cases (cumulative)

47

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

13

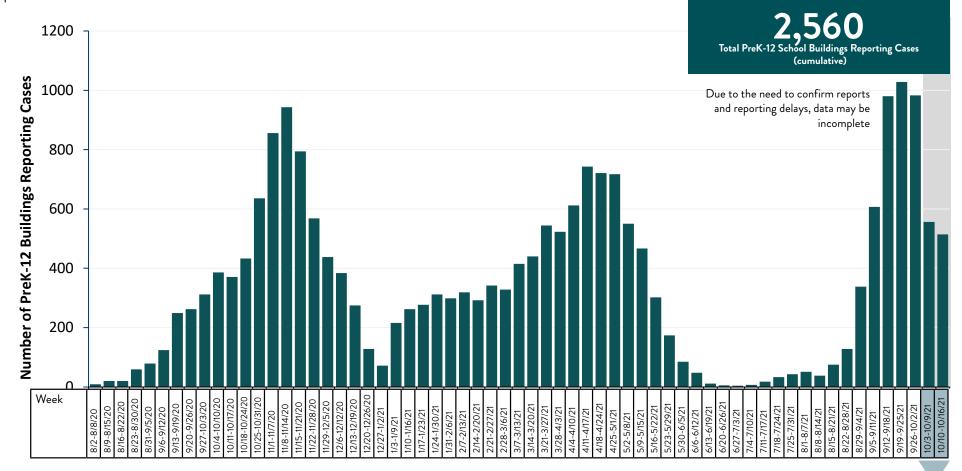
Total PreK-12-affiliated Staff Deaths (cumulative)



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)

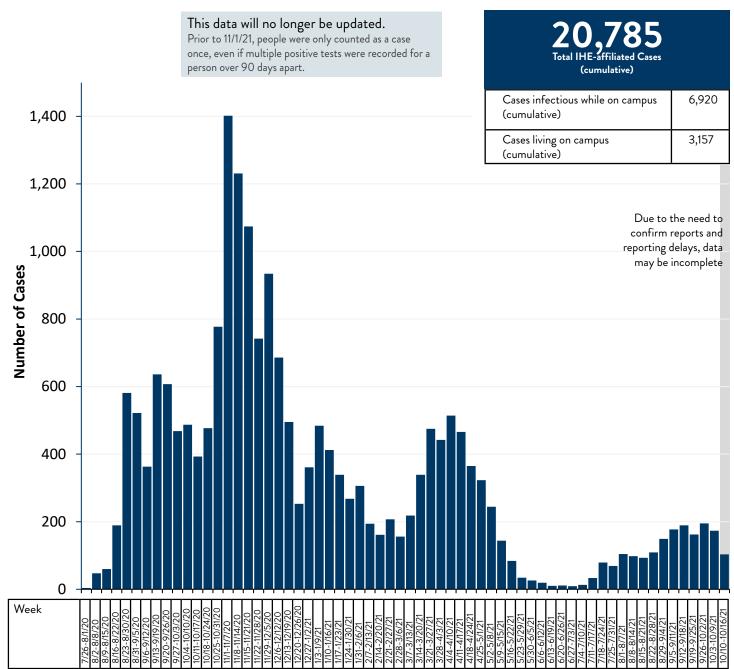
Cases of COVID-19 affiliated with faculty, staff, and students working or enrolled at a Minnesota Institute of Higher Education (IHE) while they were potentially exposed to or able to spread COVID-19. IHE include colleges, universities, and private career schools. Numbers include confirmed and probable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

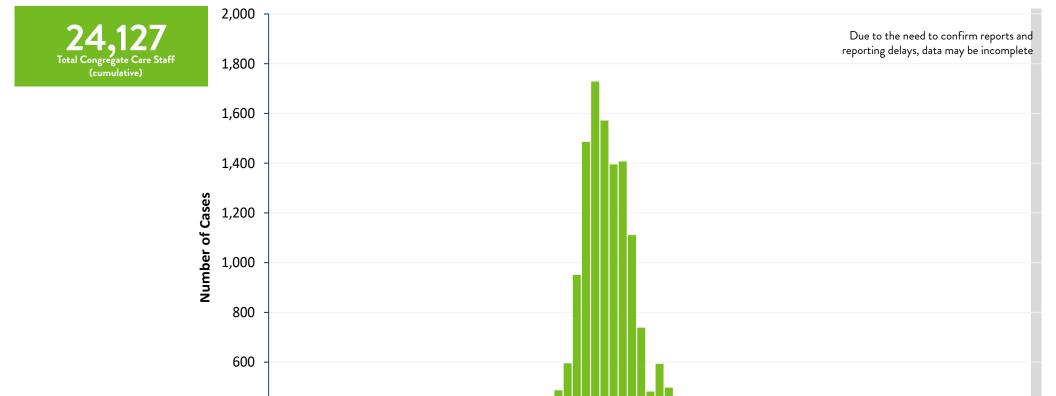
Cases of COVID-19 associated with staff living in congregate settings by specimen collection date. Congregate care settings include nursing homes, assisted living-type facilities, group homes, and other communal-living settings with a healthcare component. Numbers include confirmed and probable cases.

400

200

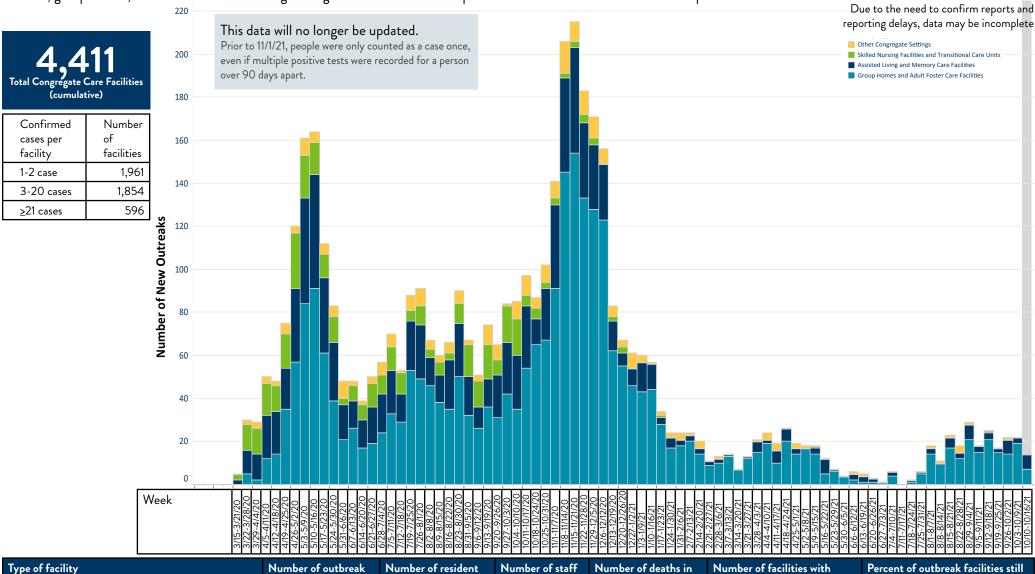
Week

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.



Type of facility	Number of outbreak facilities	Number of resident cases	Number of staff cases	Number of deaths in resident cases	Number of facilities with active outbreaks	Percent of outbreak facilities still experiencing an active outbreak
Skilled Nursing Facilities and Transitional Care Units	368	12,715	12,395	3,110	210	57%
Assisted Living and Memory Care Facilities	1,081	8,758	7,185	1,584	209	19%
Group Homes and Adult Foster Care Facilities	2,738	2,863	4,862	116	136	5%
Other Congregate Care Settings	265	1,648	1,527	24	41	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: COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)