

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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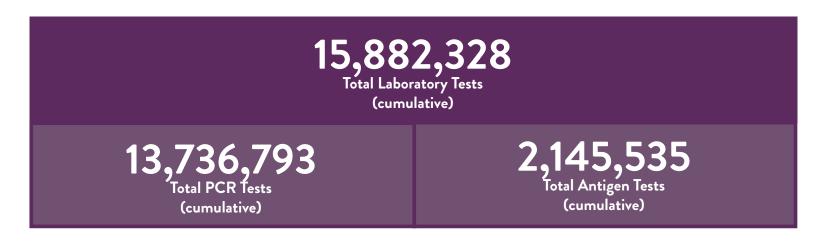
#### About Minnesota COVID-19 Data

- 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**





49,984
Total Hospitalizations
(cumulative)

9,815
Total ICU Hospitalizations
(cumulative)

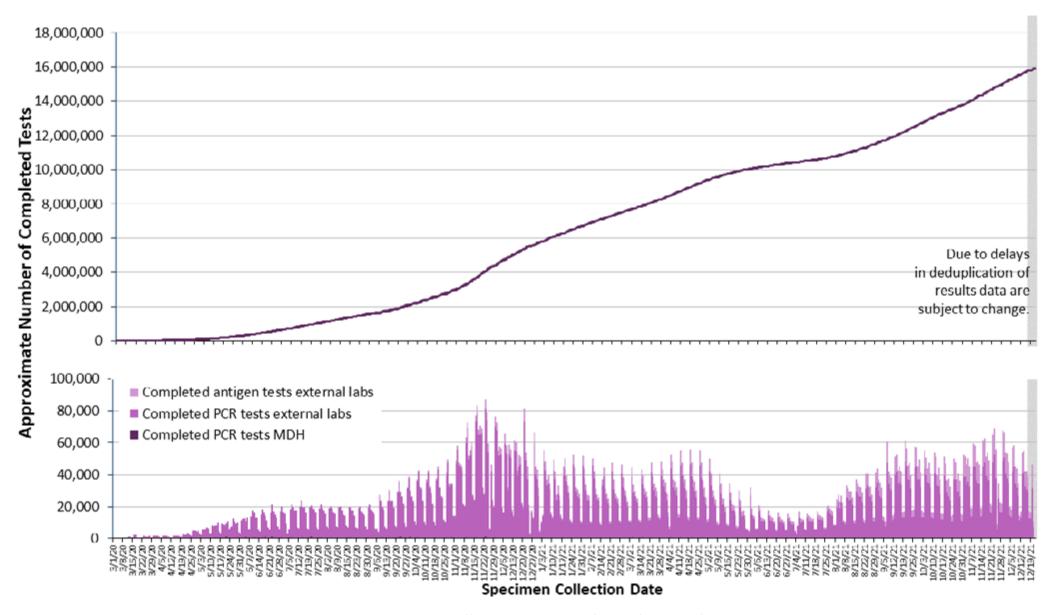
10,306
Total Deaths
(cumulative)

961,306
Total No Longer Needing Isolation (cumulative)

## **Laboratory Tests for COVID-19**

15,882,328
Total Laboratory Tests
(cumulative)

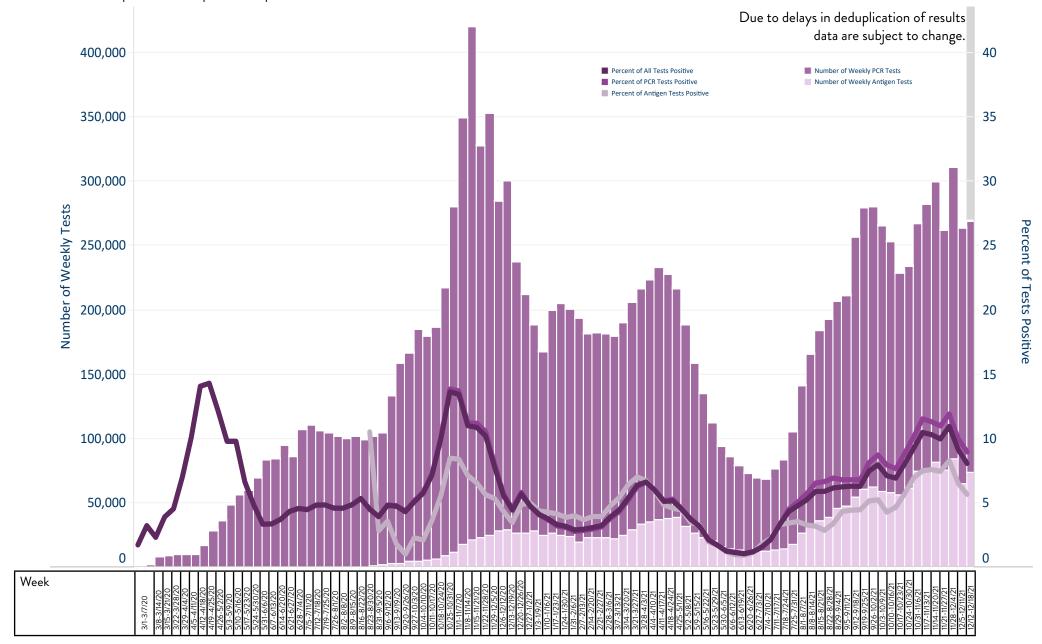
Testing numbers show how many total tests have been done for cases who live in Minnesota. Some people get tested more than once. Tests are reported per test to account for changes in testing capacity and for individuals who are tested more than once over the course of the pandemic. Tests are reported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

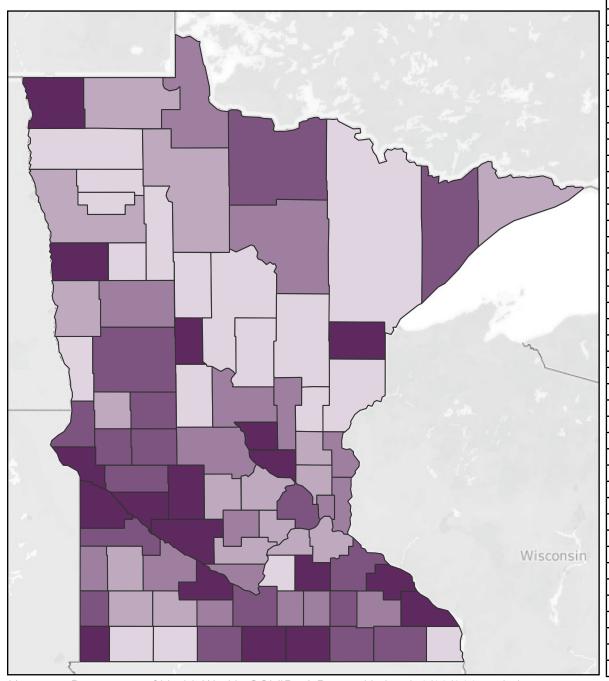
Number of tests and percentage positive by date of laboratory testing. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations. Percent positive is the percent of positive tests from the total number of tests.



Laboratory Test Rates by County of Residence

28,009 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.

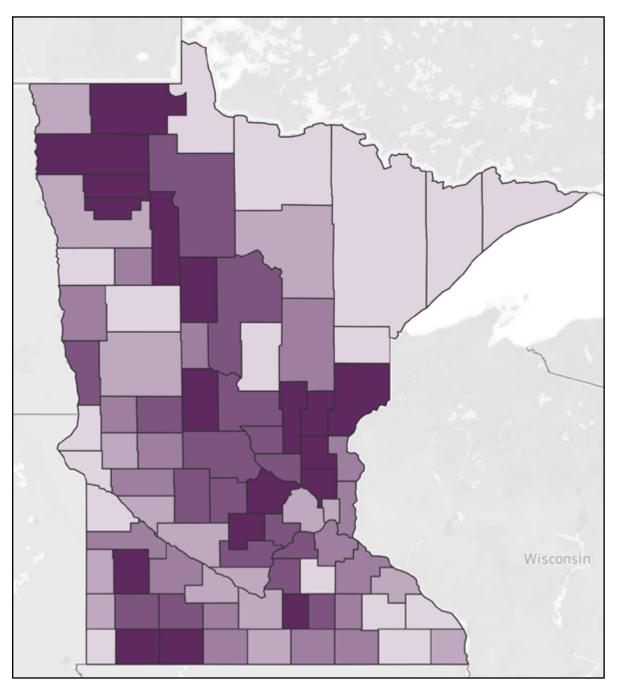


aenc			tests per 10,000 people statewide			
County	Number of Tests	Cumulative Rate	County	Number of Tests	Cumulative Rate	
Aitkin	32,847	20,745	Martin	56,575	28,339	
Anoka	849,849	24,461	McLeod	94,626	26,413	
Becker	86,865	25,720	Meeker	58,715	25,441	
Beltrami	102,994	22,333	Mille Lacs	71,435	27,765	
Benton	124,950	31,411	Morrison	91,230	27,688	
Big Stone	18,923	37,725	Mower	110,782	27,974	
Blue Earth	192,459	29,019	Murray	20,978	25,114	
Brown	78,308	31,061	Nicollet	93,756	27,752	
Carlton	120,144	33,805	Nobles	43,196	19,779	
Carver	238,115	23,713	Norman	21,207	32,333	
Cass	52,352	18,039	Olmsted	418,890	27,367	
Chippewa	38,711	32,232	Otter Tail	165,210	28,488	
Chisago	146,123	26,700	Pennington	23,701	16,710	
Clay	143,953	22,922	Pine	60,790	20,869	
Clearwater	16,281	18,476	Pipestone	26,289	28,622	
Cook	12,760	24,026	Polk	72,061	22,811	
Cottonwood	28,907	25,419	Pope	31,348	28,550	
Crow Wing	140,595	22,018	Ramsey	1,490,157	27,519	
Dakota	1,075,071	25,707	Red Lake	6,439	16,065	
Dodge	58,006	28,183	Redwood	42,692	27,847	
Douglas	107,166	28,806	Renville	45,166	30,681	
Faribault	45,018	32,396	Rice	267,710	40,707	
Fillmore	61,846	29,608	Rock	28,842	30,641	
Freeborn	96,837	31,723	Roseau	36,586	23,662	
Goodhue	132,832	28,741	Scott	348,684	24,320	
Grant	14,829	24,973	Sherburne	276,982	29,709	
Hennepin	3,490,117	28,249	Sibley	34,744	23,299	
Houston	30,320	16,246	St. Louis	574,228	28,700	
Hubbard	32,012	15,345	Stearns	437,766	27,915	
Isanti	86,449	22,181	Steele	98,112	26,751	
Itasca	119,513	26,439	Stevens	28,584	29,215	
Jackson	18,708	18,620	Swift	26,877	28,559	
Kanabec	30,028	18,763	Todd	49,161	20,115	
Kandiyohi	130,105	30,500	Traverse	9,647	28,909	
Kittson	13,107	30,221	Wabasha	67,005	31,165	
Koochiching	37,058	29,309	Wadena	51,389	37,659	
Lac qui Parle	22,274	32,886	Waseca	51,240	27,242	
Lake	30,483	28,842	Washington	702,473	27,731	
Lake of the Woods	10,284	26,999	Watonwan	28,526	25,997	
Le Sueur	61,066	21,823	Wilkin	12,440	19,612	
Lincoln	14,847	26,015	Winona	153,713	30,230	
Lyon	64,370	24,912	Wright	301,988	22,749	
Mahnomen	10,370	18,834	Yellow Medicine	27,558	27,927	
Marshall	15,018	15,990	Unknown/missing	589,163		

#### Percent of Tests Positive by County of Residence

6.6%
% positive statewide (cumulative)

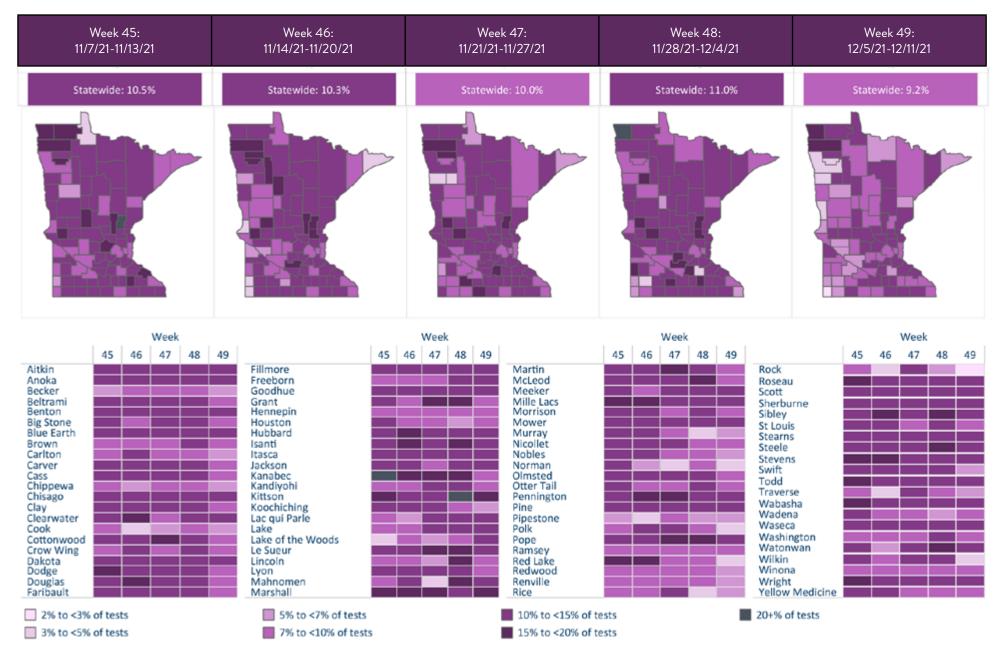
Positive number of tests and positivity calculations include only tests reported by labs that report both positive and negative results. Percent positive is the percent of positive tests from the total number of tests by county of residence.



		% positive statewide (cumulative)			
County	% Positive	County	% Positive		
Aitkin	7.1%	Martin	7.2%		
Anoka	8.4%	McLeod	8.3%		
Becker	5.7%	Meeker	7.8%		
Beltrami	8.1%	Mille Lacs	8.5%		
Benton	7.8%	Morrison	7.6%		
Big Stone	4.9%	Mower	6.9%		
Blue Earth	6.4%	Murray	7.5%		
Brown	6.5%	Nicollet	6.1%		
Carlton	4.8%	Nobles	12.1%		
Carver	7.5%	Norman	4.2%		
Cass	8.2%	Olmsted	5.7%		
Chippewa	6.0%	Otter Tail	5.9%		
Chisago	7.5%	Pennington	9.2%		
Clay	6.8%	Pine	8.3%		
Clearwater	9.3%	Pipestone	5.9%		
Cook	2.8%	Polk	6.0%		
Cottonwood	8.2%	Pope	6.8%		
Crow Wing	5.8%	Ramsey	5.9%		
Dakota	7.2%	Red Lake	9.6%		
Dodge	6.6%	Redwood	6.9%		
Douglas	7.7%	Renville	6.2%		
Faribault	6.3%	Rice	4.6%		
Fillmore	5.4%	Rock	5.5%		
Freeborn	6.5%	Roseau	9.2%		
Goodhue	6.7%	Scott	7.9%		
Grant	7.0%	Sherburne	8.2%		
Hennepin	6.0%	Sibley	7.7%		
Houston	6.3%	St. Louis	5.3%		
Hubbard	8.5%	Stearns	8.2%		
Isanti	8.7%	Steele	7.7%		
Itasca	6.5%	Stevens	6.2%		
Jackson	8.7%	Swift	6.9%		
Kanabec	9.2%	Todd	9.6%		
Kandiyohi	7.9%	Traverse	5.8%		
Kittson	6.3%	Wabasha	5.9%		
Koochiching	5.3%	Wadena	6.9%		
Lac qui Parle	5.5%	Waseca	8.3%		
Lake	4.9%	Washington	6.8%		
Lake of the Woods	5.5%	Watonwan	7.2%		
Le Sueur	7.7%	Wilkin	8.2%		
Lincoln	5.9%	Winona	5.1%		
Lyon	8.7%	Wright	8.9%		
Mahnomen	6.8%	Yellow Medicine	6.7%		
Marshall	10.4%	Unknown/missing	4.0%		
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#### Weekly Percent of Tests Positive by County of Residence

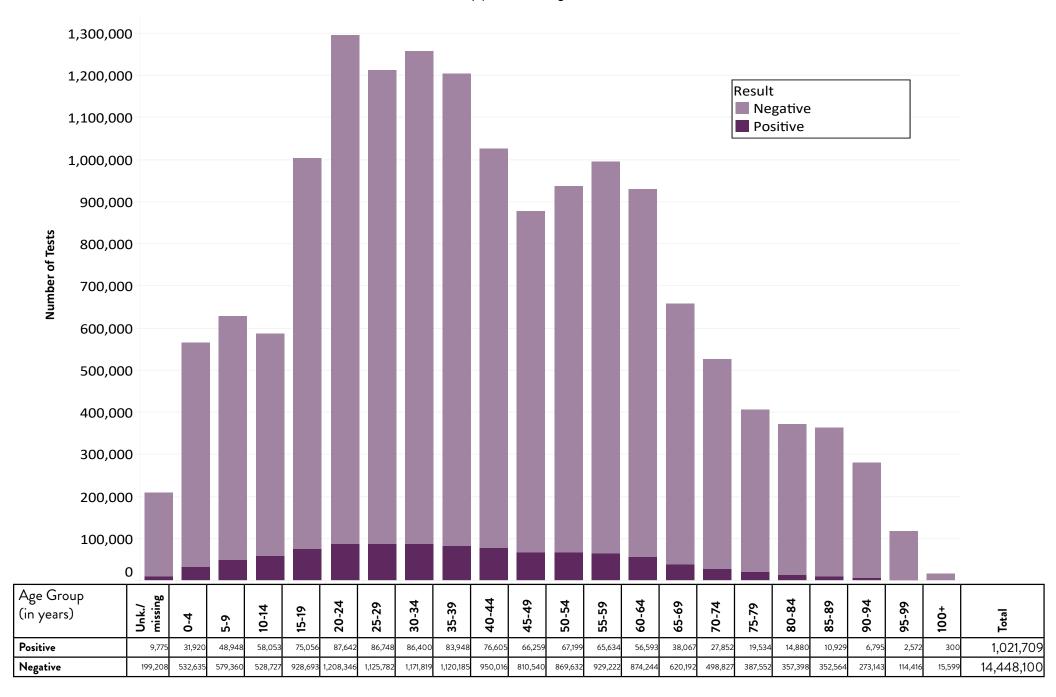
Percent of positive tests by county of residence in Minnesota by week of specimen collection. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations. Percent positive is the percent of positive tests from the total number of tests by county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

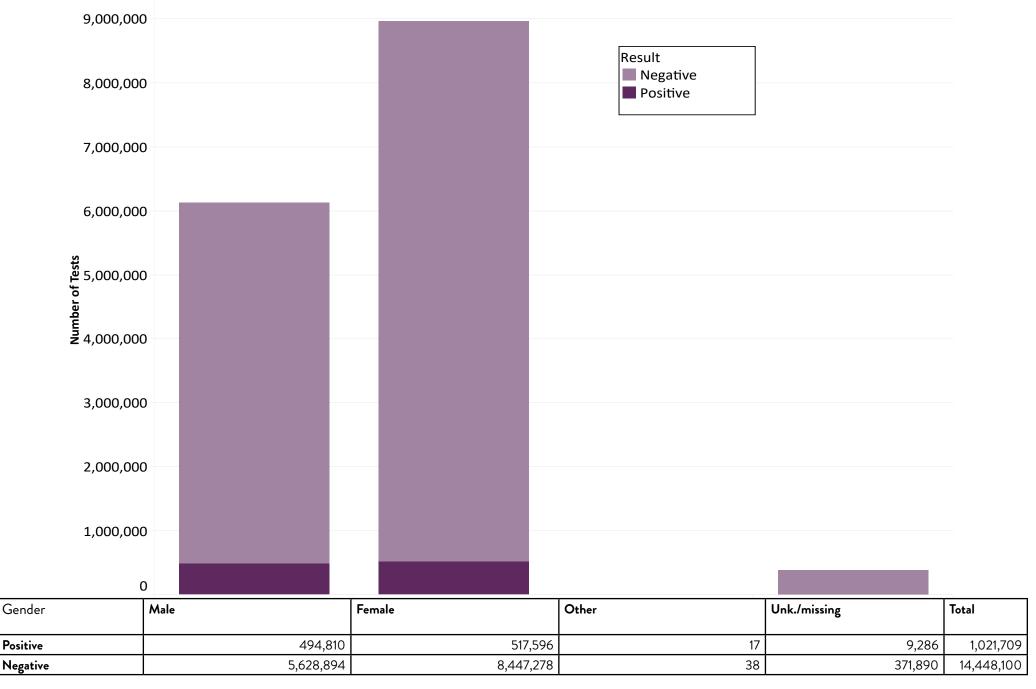
#### Testing Demographics: Age

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).

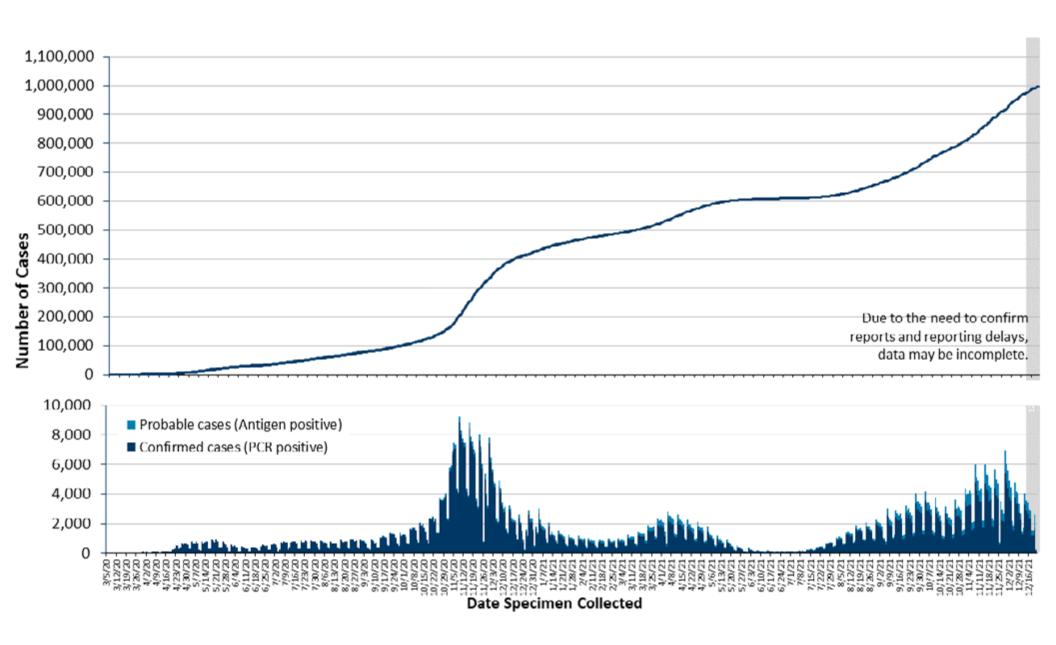


#### Positive COVID-19 Cases

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

996,224

Total Positive Cases,
including Reinfections
(cumulative)

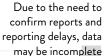


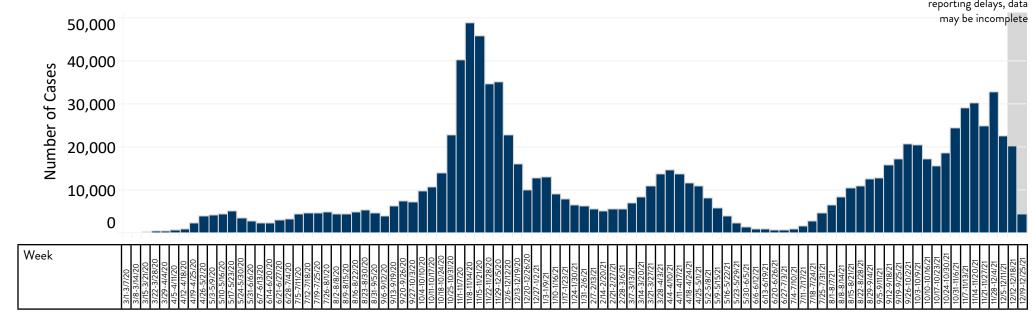
■ Tables of current data: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

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

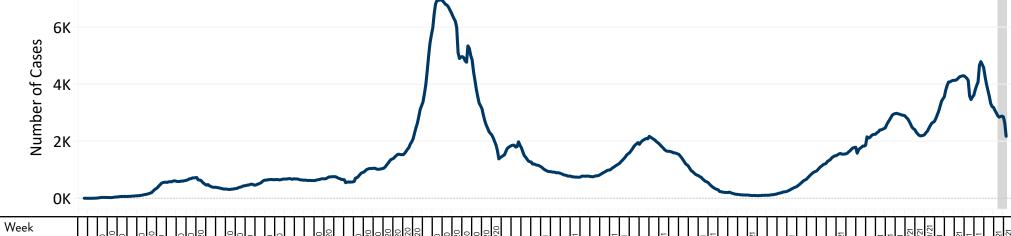
Cases by week of specimen collection date, and 7-day moving average of new cases.





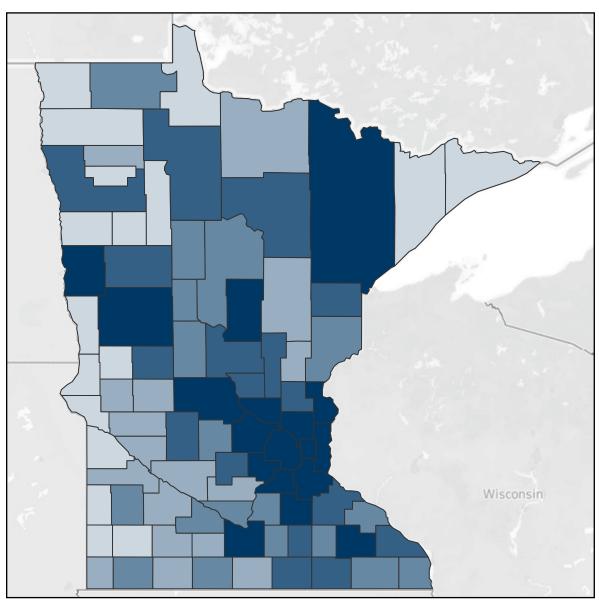






## Cases by County of Residence Cumulative number of positive cases by county of residence, cases no longer needing isolation. Cases

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.



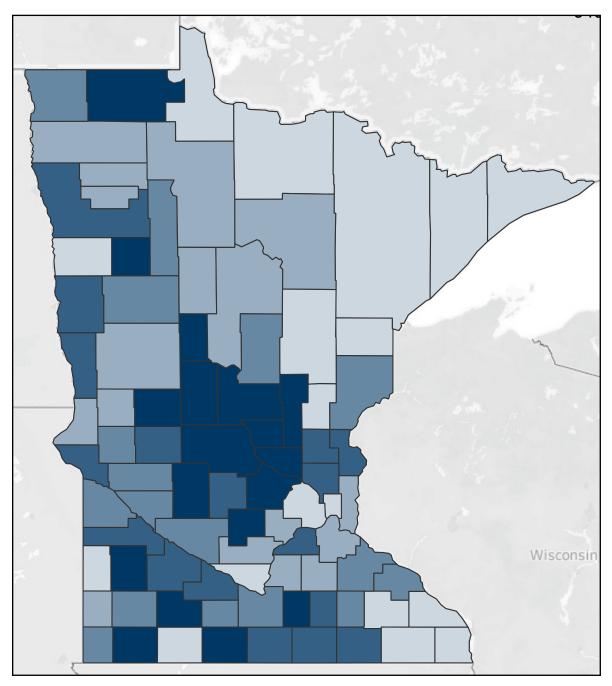
- Up to date data for this chart is provided in the Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)
- Confirmed cases by USPS zip code of residence is available as a downloadable CSV file at: Minnesota COVID-19
 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

#### 996,224 Total Positive Cases (cumulative)

961,306
No Longer Needing Isolation (cumulative)

County	Cases	Cases no longer needing isolation	County	Cases	Cases no longer needing isolation
Aitkin	2,407	2,315	Martin	4,156	4,006
Anoka	70,003	67,582	McLeod	7,764	7,505
Becker	6,570	6,403	Meeker	4,676	4,503
Beltrami	8,669	8,409	Mille Lacs	5,732	5,552
Benton	9,896	9,535	Morrison	7,098	6,899
Big Stone	1,002	975	Mower	7,802	7,609
Blue Earth	12,517	12,146	Murray	1,596	1,561
Brown	4,976	4,835	Nicollet	5,629	5,478
Carlton	6,016	5,772	Nobles	5,412	5,301
Carver	18,273	17,731	Norman	1,090	1,061
Cass	5,312	5,148	Olmsted	24,426	23,635
Chippewa	2,326	2,248	Otter Tail	10,454	10,145
Chisago	10,826	10,467	Pennington	2,646	2,585
Clay	12,977	12,557	Pine	5,599	5,420
Clearwater	1,682	1,622	Pipestone	1,600	1,537
Cook	343	327	Polk	6,319	6,145
Cottonwood	2,453	2,368	Pope	2,259	2,215
Crow Wing	12,016	11,654	Ramsey	81,204	77,800
Dakota	74,141	71,437	Red Lake	731	712
Dodge	3,921	3,821	Redwood	3,009	2,889
Douglas	8,446	8,167	Renville	2,842	2,738
Faribault	2,802	2,683	Rice	12,341	11,934
Fillmore	3,381	3,273	Rock	1,841	1,781
Freeborn	6,214	6,000	Roseau	3,379	3,296
Goodhue	9,042	8,629	Scott	28,404	27,500
Grant	1,104	1,074	Sherburne	20,609	19,993
Hennepin	195,164	187,410	Sibley	2,760	2,686
Houston	3,045	2,900	St. Louis	32,313	31,062
Hubbard	3,759	3,642	Stearns	36,480	35,349
Isanti	7,734	7,449	Steele	7,445	7,218
Itasca	8,357	8,067	Stevens	1,847	1,779
Jackson	1,707	1,663	Swift	1,820	1,772
Kanabec	2,777	2,658	Todd	5,236	5,075
Kandiyohi	10,434	10,177	Traverse	626	608
Kittson	848	800	Wabasha	4,055	3,964
Koochiching	1,969	1,869	Wadena	3,202	3,106
Lac qui Parle	1,320	1,257	Waseca	4,216	4,091
Lake	1,459	1,411	Washington	44,647	43,146
Lake of the Woods	561	542	Watonwan	2,143	2,075
Le Sueur	4,992	4,836	Wilkin	1,279	1,244
Lincoln	936	918	Winona	8,142	7,751
Lyon	5,550	5,399	Wright	28,126	27,231
Mahnomen	1,152	1,109	Yellow Medicine	1,991	1,935
Marshall	1,640	1,579	Unknown/missing	559	550

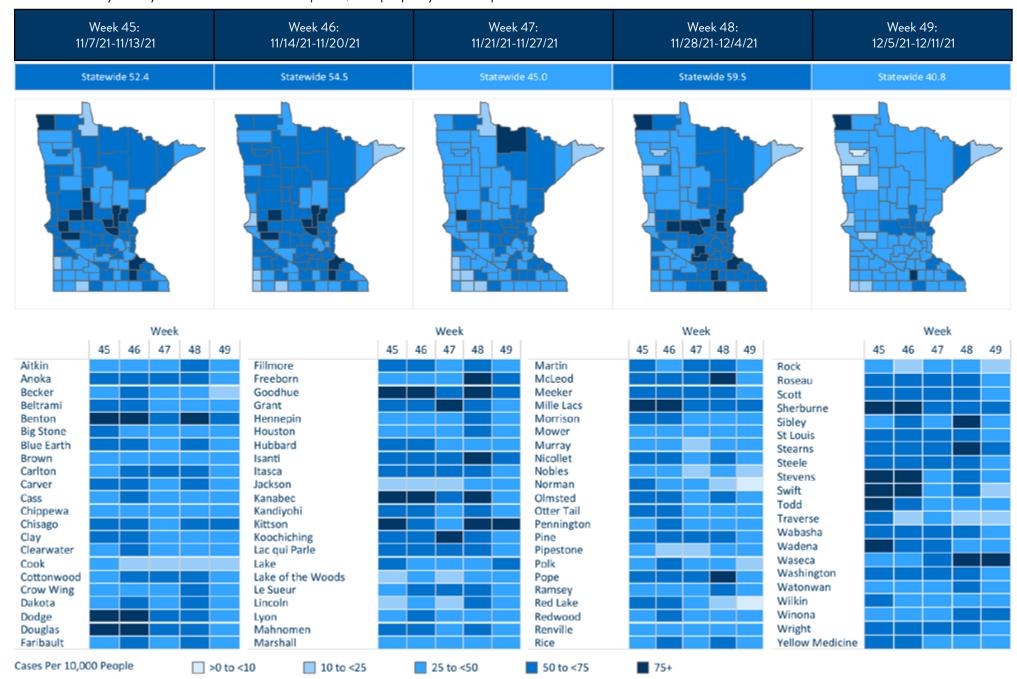
Cumulative number of cases by county of residence per 10,000 people.



	er 10,000 people		
County	Cumulative Rate	County	Cumulative Rate
Aitkin	1,520	Martin	2,082
Anoka	2,015	McLeod	2,167
Becker	1,945	Meeker	2,026
Beltrami	1,880	Mille Lacs	2,228
Benton	2,488	Morrison	2,154
Big Stone	1,998	Mower	1,970
Blue Earth	1,887	Murray	1,911
Brown	1,974	Nicollet	1,666
Carlton	1,693	Nobles	2,478
Carver	1,820	Norman	1,662
Cass	1,830	Olmsted	1,596
Chippewa	1,937	Otter Tail	1,803
Chisago	1,978	Pennington	1,865
Clay	2,066	Pine	1,922
Clearwater	1,909	Pipestone	1,742
Cook	646	Polk	2,000
Cottonwood	2,157	Pope	2,057
Crow Wing	1,882	Ramsey	1,500
Dakota	1,773	Red Lake	1,824
Dodge	1,905	Redwood	1,963
Douglas	2,270	Renville	1,931
Faribault	2,016	Rice	1,877
Fillmore	1,619	Rock	1,956
Freeborn	2,036	Roseau	2,185
Goodhue	1,956	Scott	1,981
Grant	1,859	Sherburne	2,211
Hennepin	1,580	Sibley	1,851
Houston	1,632	St. Louis	1,615
Hubbard	1,802	Stearns	2,326
Isanti	1,984	Steele	2,030
Itasca	1,849	Stevens	1,888
Jackson	1,699	Swift	1,934
Kanabec	1,735	Todd	2,142
Kandiyohi	2,446	Traverse	1,876
Kittson	1,955	Wabasha	1,886
Koochiching	1,557	Wadena	2,346
Lac qui Parle	1,949	Waseca	2,241
Lake	1,380	Washington	1,762
Lake of the Woods	1,473	Watonwan	1,953
Le Sueur	1,784	Wilkin	2,016
Lincoln	1,640	Winona	1,601
Lyon	2,148	Wright	2,119
Mahnomen	2,092	Yellow Medicine	2,018
Marshall	1,746		
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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.



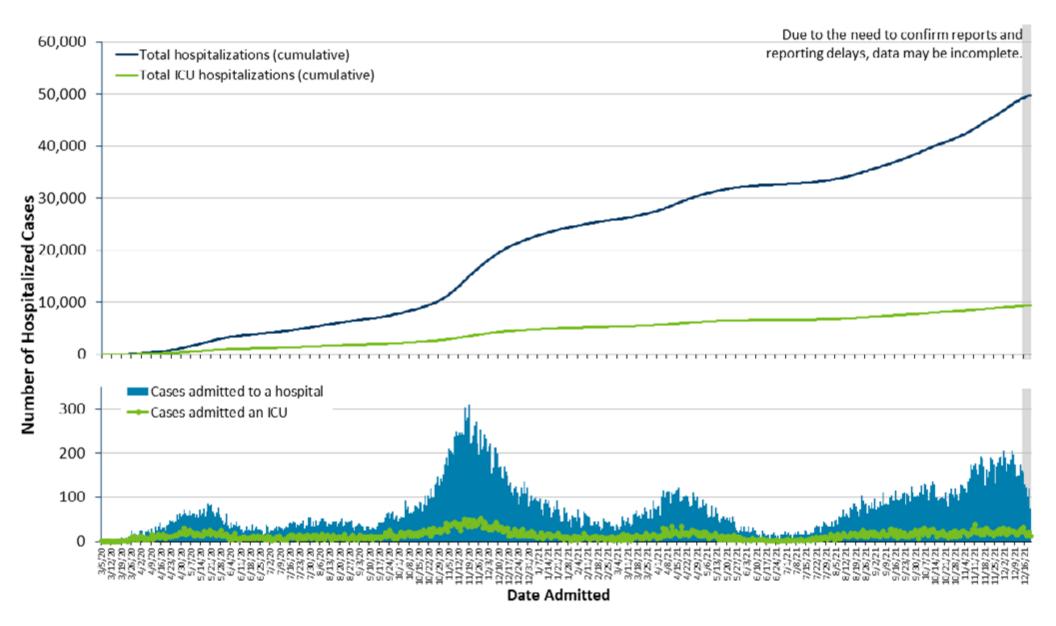
Downloadable CSV file of current data for these maps is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

## Hospitalizations, ICU Hospitalizations

49,984
Total Hospitalizations
(cumulative)

9,815
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.

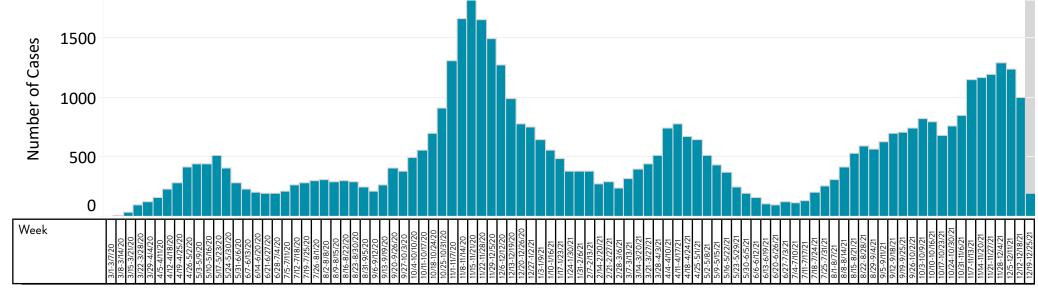


<sup>■</sup> Tables of current data: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

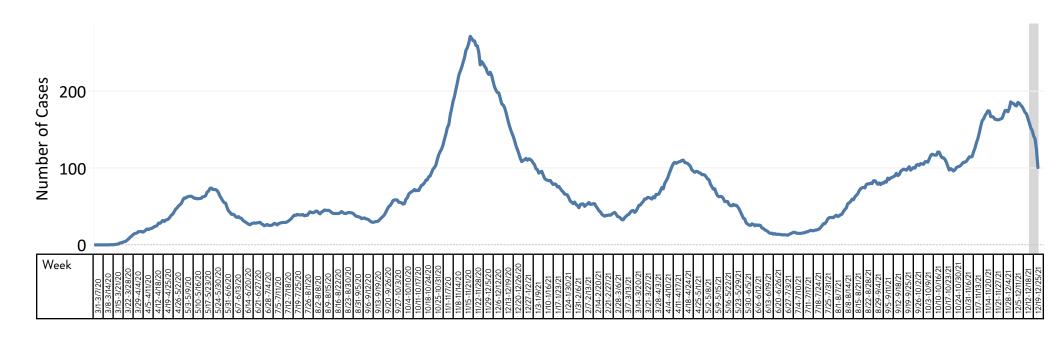
#### Hospitalizations by Week, 7-Day Average

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





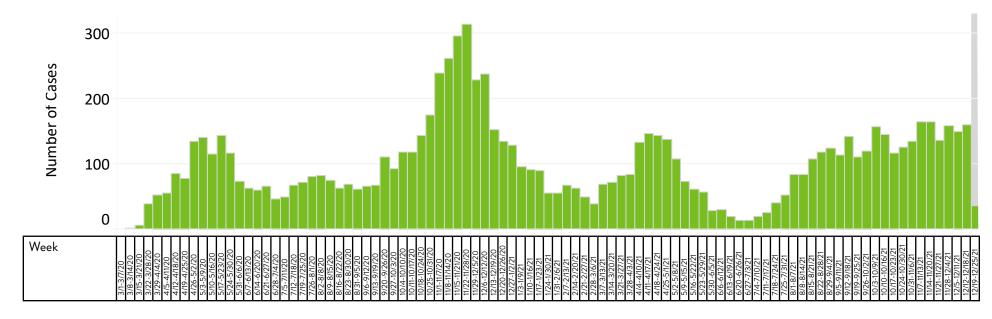
#### Seven Day Moving Average of New Hospitalizations



#### 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



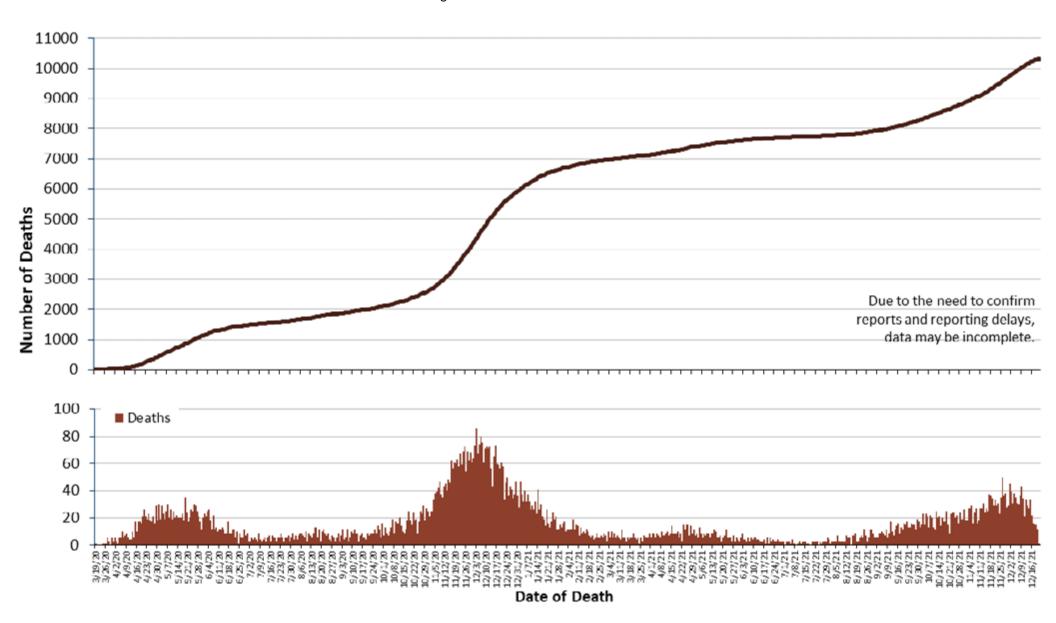
#### Seven Day Moving Average of New ICU Hospitalizations



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

10,306
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.).

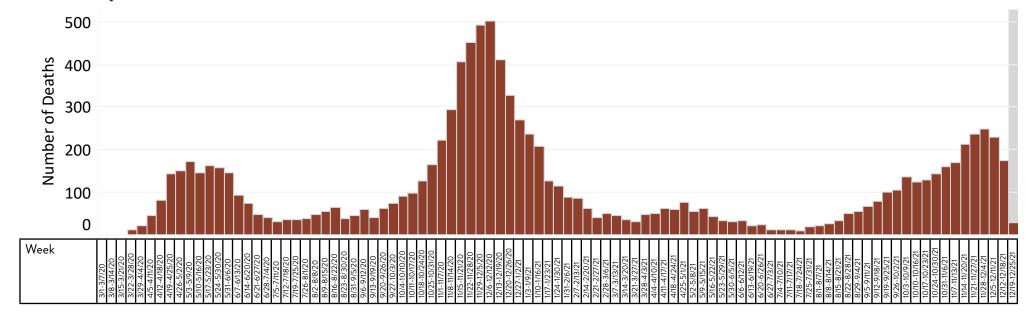


■ Tables of current data and more information about total deaths (also known as total deaths with laboratory testing) and non-laboratory-confirmed deaths: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

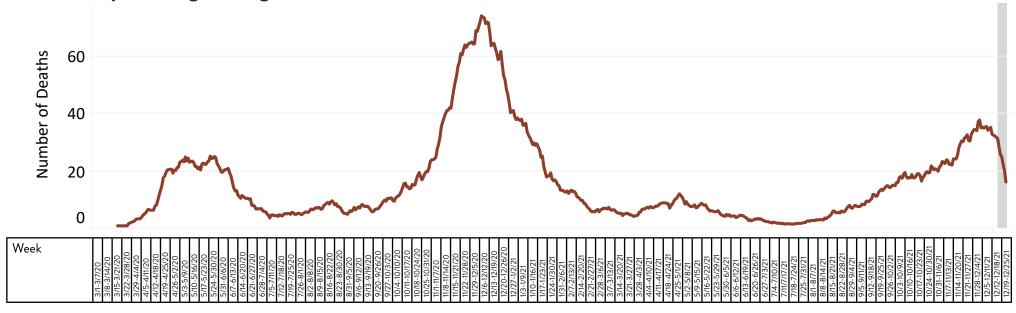
#### Deaths by Week, 7-Day Average

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

#### Deaths by Week of Death

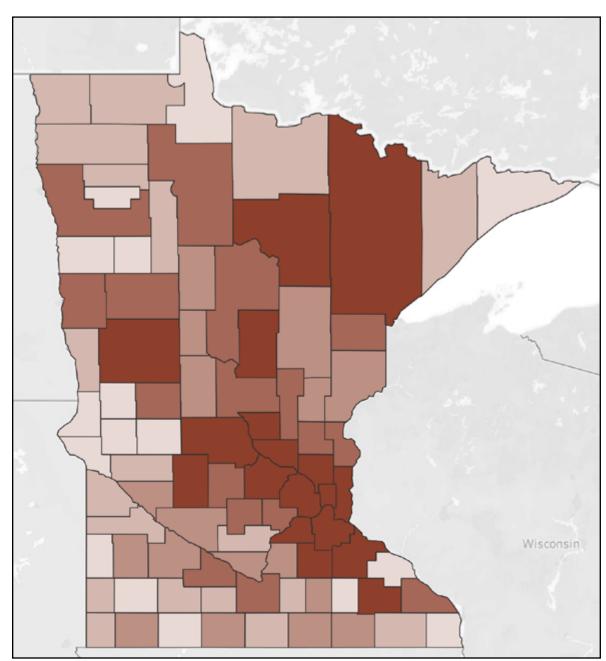


#### Seven Day Moving Average of Deaths



#### Deaths by County of Residence

Cumulative number of deaths by county of residence.

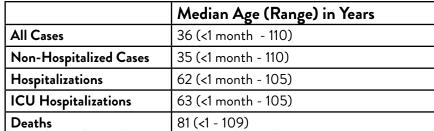


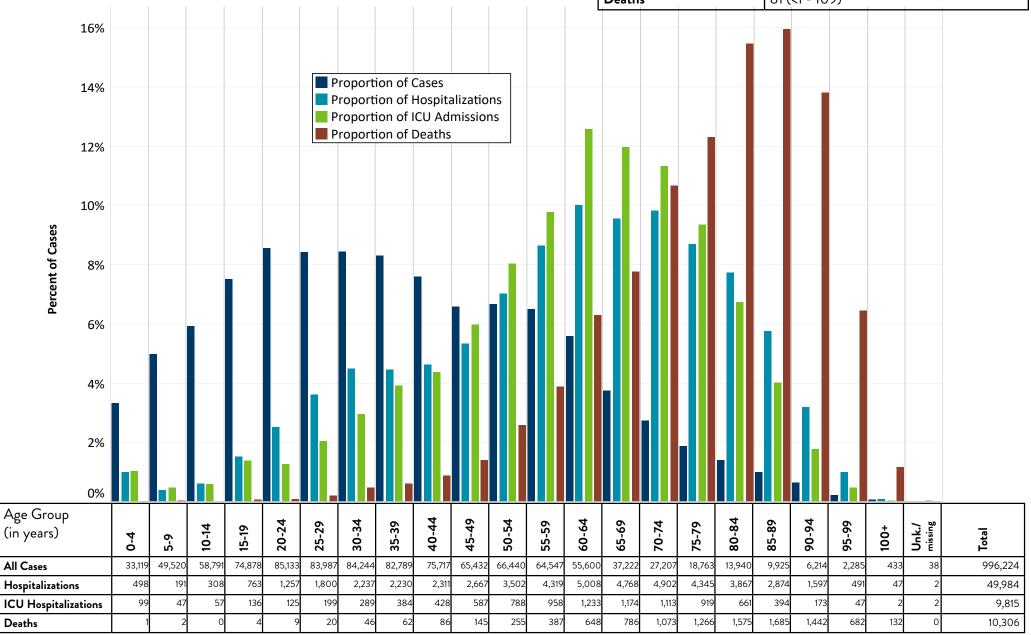
■ Up to date data for this chart is provided in the Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

		Total [	Deaths (cumulative)
County	Deaths	County	Deaths
Aitkin	53	Martin	51
Anoka	657	McLeod	90
Becker	79	Meeker	67
Beltrami	108	Mille Lacs	90
Benton	137	Morrison	85
Big Stone	7	Mower	53
Blue Earth	76	Murray	14
Brown	66	Nicollet	61
Carlton	80	Nobles	56
Carver	86	Norman	10
Cass	61	Olmsted	139
Chippewa	43	Otter Tail	140
Chisago	98	Pennington	31
Clay	111	Pine	48
Clearwater	25	Pipestone	30
Cook	1	Polk	91
Cottonwood	33	Pope	14
Crow Wing	135	Ramsey	1,111
Dakota	637	Red Lake	11
Dodge	13	Redwood	49
Douglas	102	Renville	52
Faribault	38	Rice	147
Fillmore	16	Rock	32
Freeborn	51	Roseau	34
Goodhue	106	Scott	206
Grant	12	Sherburne	146
Hennepin	2,145	Sibley	20
Houston	18	St. Louis	442
Hubbard	51	Stearns	306
Isanti	94	Steele	40
Itasca	110	Stevens	11
Jackson	16	Swift	29
Kanabec	43	Todd	50
Kandiyohi	116	Traverse	8
Kittson	23	Wabasha	12
Koochiching	29	Wadena	43
Lac qui Parle	26	Waseca	34
Lake	26	Washington	394
Lake of the Woods	5	Watonwan	21
Le Sueur	41	Wilkin	17
Lincoln	5	Winona	62
Lyon	66	Wright	251
Mahnomen	15	Yellow Medicine	25
Marshall	23	Unknown/missing	0
	lav unless specif		Page 21

## Demographics: Age

Age groups, median age, and range for cases.

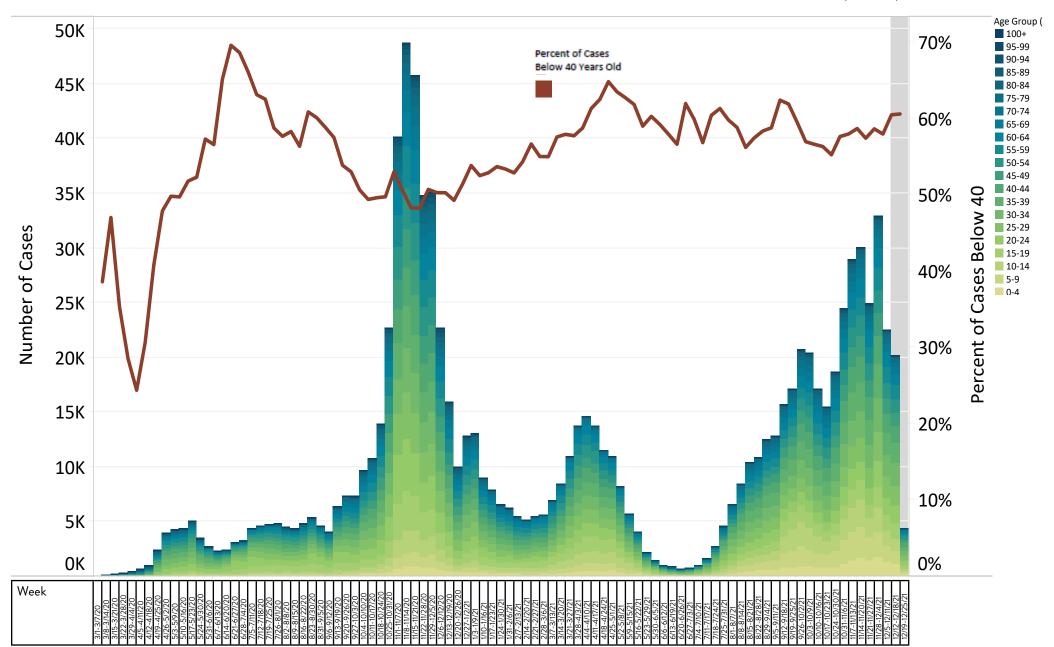




#### Cases by Age Group and Specimen Collection Date

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

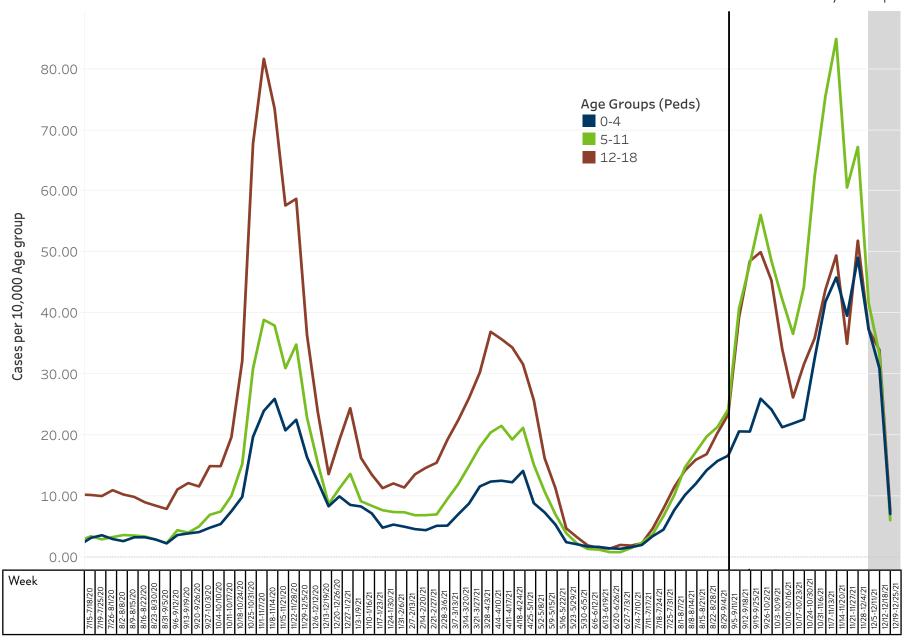


Downloadable CSV file of current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

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

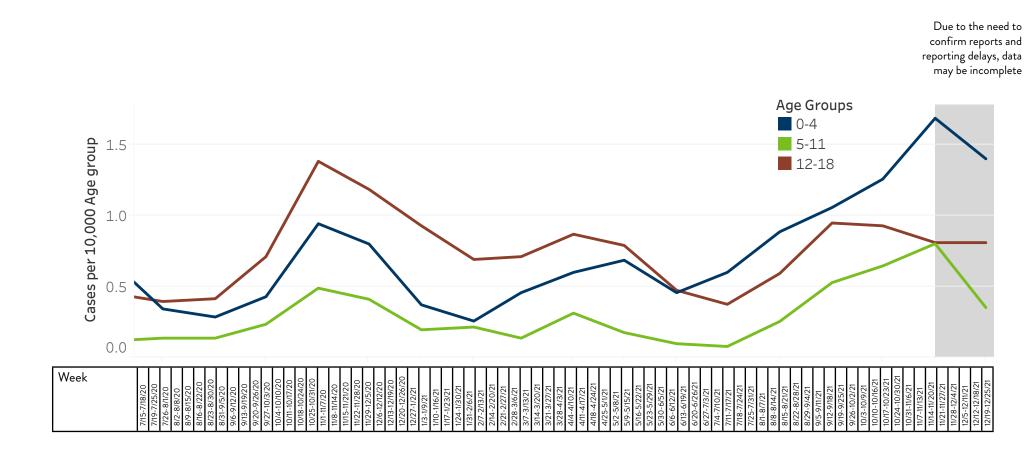
Cases by age group for children in Minnesota (cases 18 years of age and under) per 10,000 people by date of specimen collection.

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



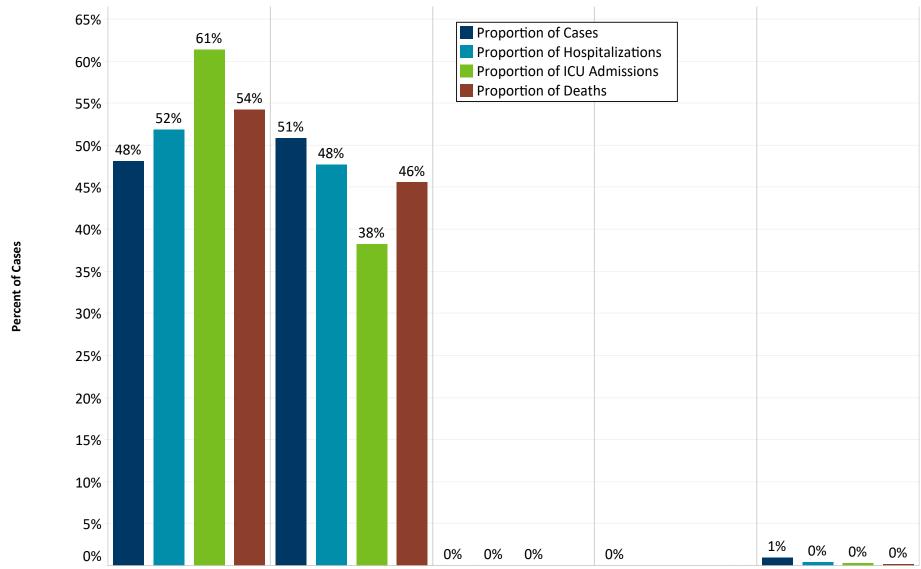
#### Hospitalization Rate in Children by Specimen Collection Date

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.

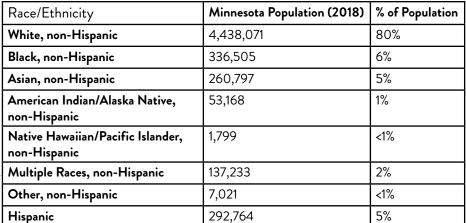


Gender	Male	Female	Other	Unk./missing	Total
All Cases	479,504	506,593	142	9,985	996,224
Hospitalizations	25,906	23,844	2	232	49,984
ICU Hospitalizations	6,025	3,752	1	37	9,815
Deaths	5,570	4,705	0	31	10,306

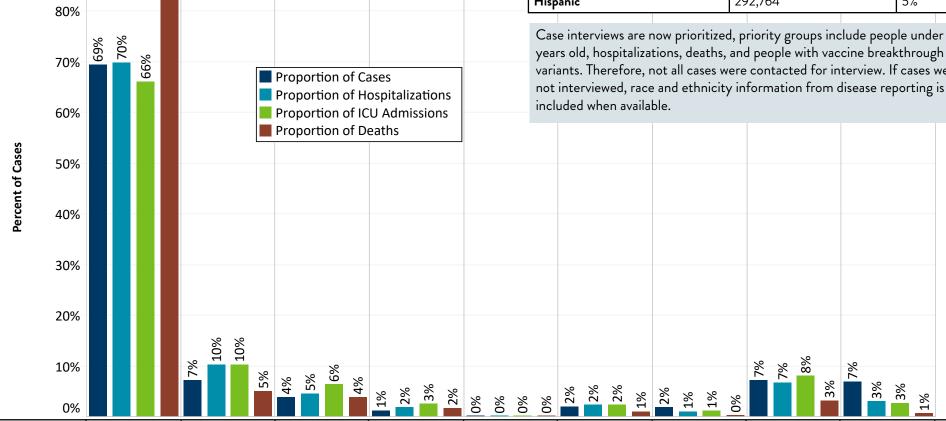
## Demographics: Race & Ethnicity

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

90%



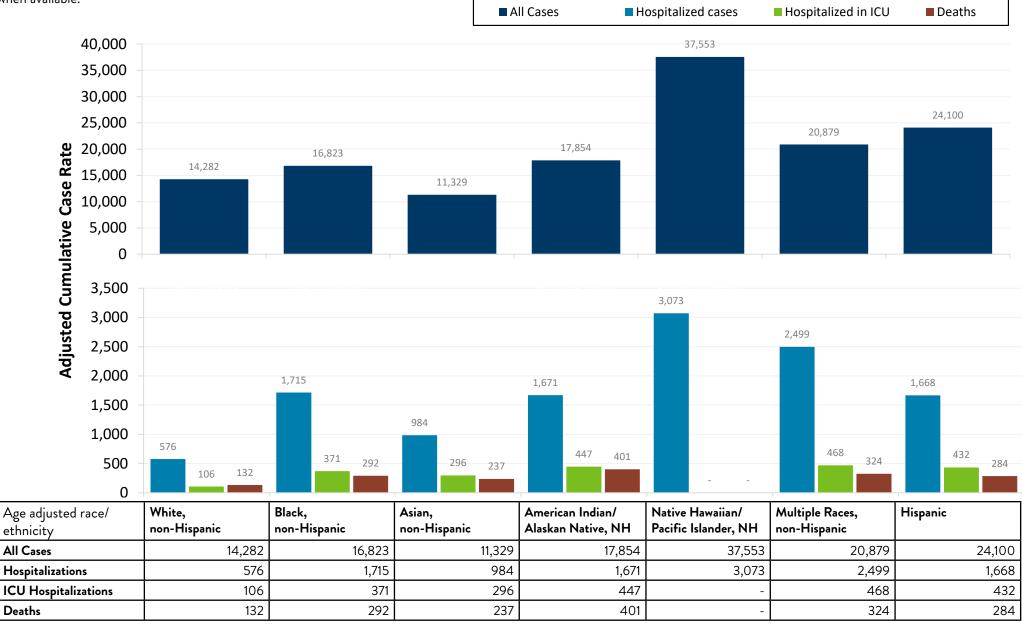
Case interviews are now prioritized, priority groups include people under 18 years old, hospitalizations, deaths, and people with vaccine breakthrough or variants. Therefore, not all cases were contacted for interview. If cases were



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	692,179	72,097	38,340	12,162	1,229	20,008	18,464	72,294	69,451	996,224
Hospitalizations	34,873	5,163	2,270	949	75	1,214	527	3,378	1,535	49,984
ICU Hospitalizations	6,497	1,006	625	254	16	238	112	799	268	9,815
Deaths	8,713	494	382	173	12	102	31	316	83	10,306

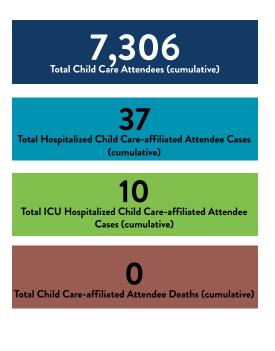
#### Age-Adjusted Race & Ethnicity Rates

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

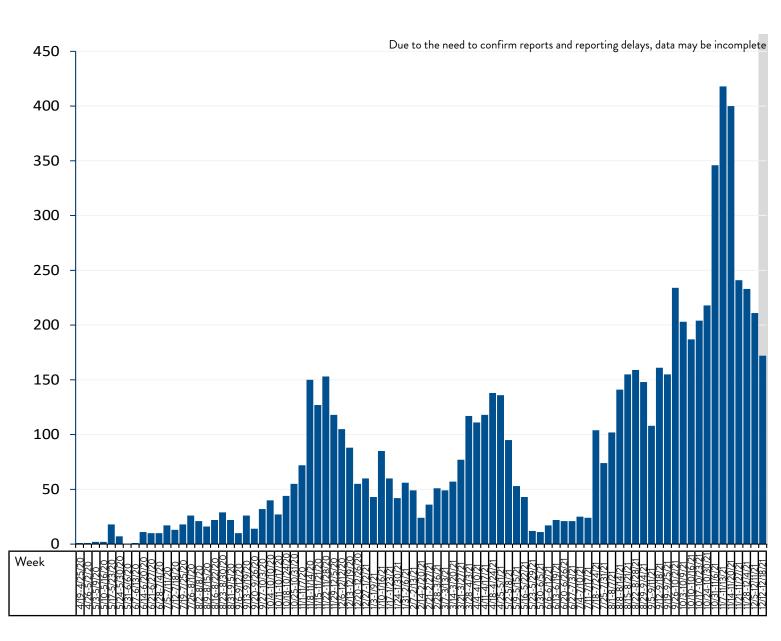
Cases of COVID-19 among children who attended child care with potential exposure in child care settings by specimen collection date. Data also include hospitalizations, ICU hospitalizations, and deaths of attendees and staff associated with a childcare program. All adult cases are not routinely interviewed.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





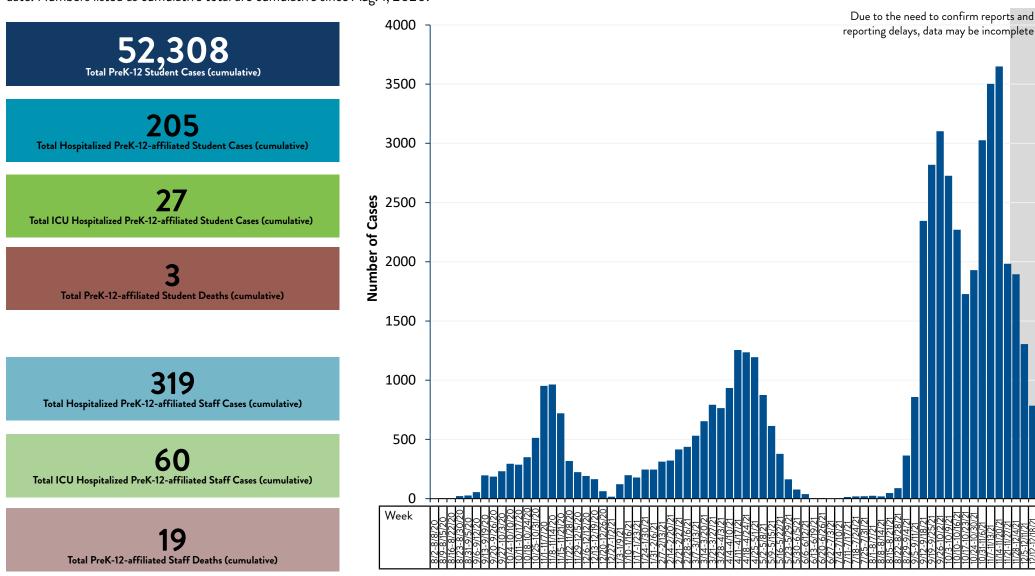
8
Total ICU Hospitalized Child Care-affiliated Staff Cases
(cumulative)

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.



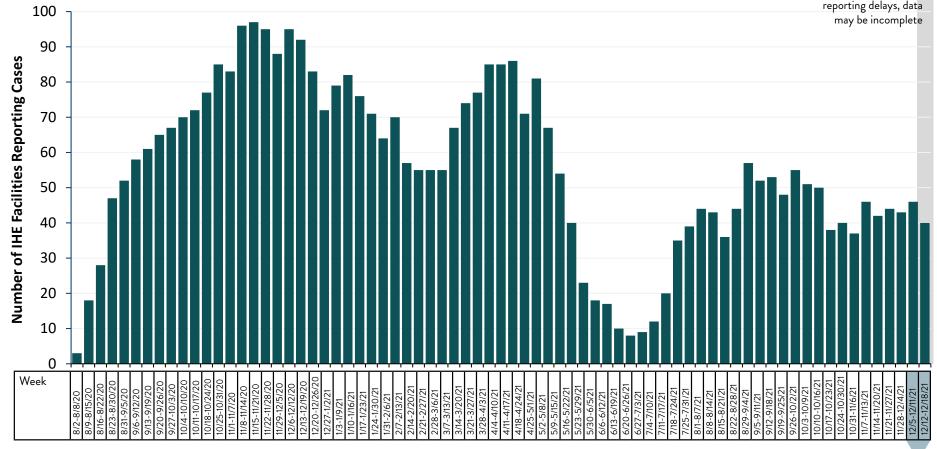
<sup>■</sup> A list of School buildings reporting 5 or more cases of COVID-19 in students who were in the building while infectious during a two-week reporting period by county is available in the COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

## 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

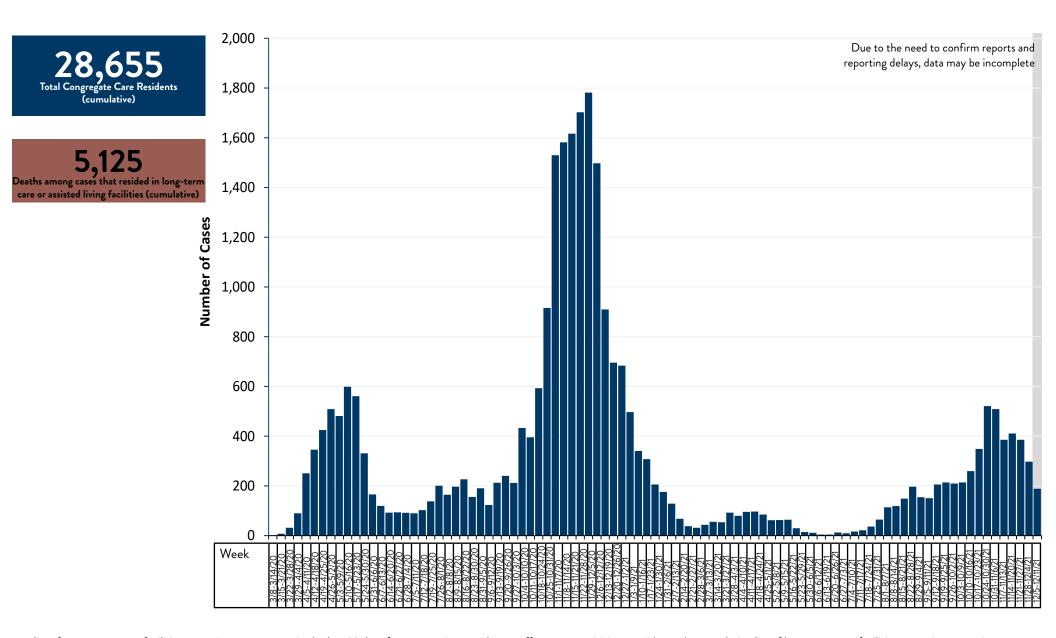


The IHE facility data will be changing in the coming weeks. This information is no longer collected for all cases.

Cases per IHE facility	Number of IHEs reporting cases 12/5-12/12/21
1-10 cases	51
11-30 cases	7
31-99 cases	1
≥100 cases	0
Total	59

## 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.

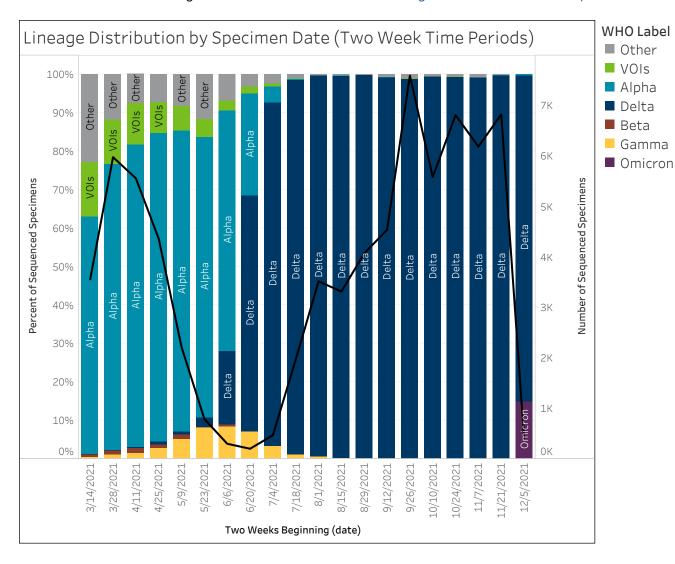


A list of congregate care facilities reporting an exposure in the last 28 days from a case in a resident, staff person, or visiting provider and a cumulative list of long-term care facilities reporting a case in a resident, staff person, or visiting service provider are available on: <a href="Minnesota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

## 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 (https://www.who.int/en/activities/tracking-SARS-CoV-2-variants/)</a>

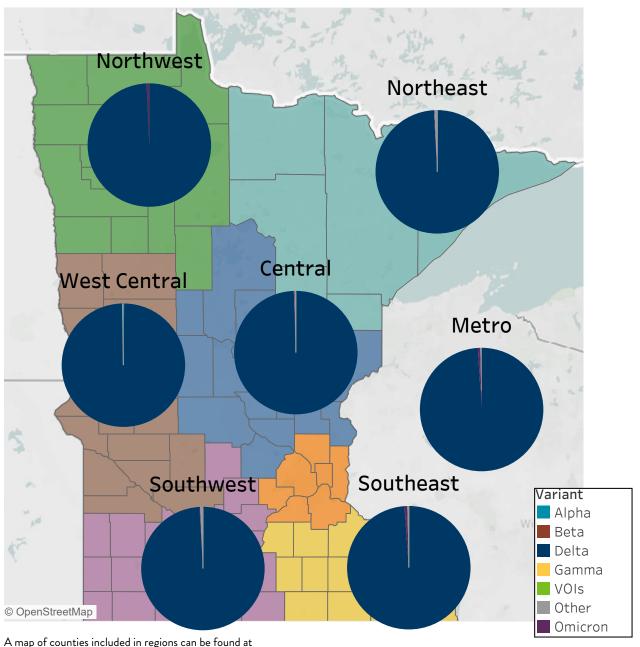


Variant	Variant Distribution Since 11/7/2021*				
Delta	B.1.617.2	84.40%			
	AY.3	14.68%			
	AY.1	0.04%			
Alpha	B.1.1.7	0.01%			
Other	Other	0.37%			
Omicron	B.1.1.529	0.48%			

<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 11/7/2021. 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	99.30%	Delta	99.15%
Gamma	0.00%	Gamma	0.00%
Omicron	0.70%	Omicron	0.14%
Other	0.00%	Other	0.71%
VOIs	0.00%	VOIs	0.00%
West Central		Central	
Alpha	0.19%	Alpha	0.00%
Beta	0.00%	Beta	0.00%
Delta	99.62%	Delta	99.48%
Gamma	0.00%	Gamma	0.00%
Omicron	0.00%	Omicron	0.15%
Other	0.19%	Other	0.36%
VOIs	0.00%	VOIs	0.00%
Southwest		Southeast	
Alpha	0.00%	Alpha	0.00%
Beta	0.00%	Beta	0.00%
Delta	99.12%	Delta	98.88%
Gamma	0.00%	Gamma	0.00%
Omicron	0.15%	Omicron	0.74%
Other	0.73%	Other	0.37%
VOIs	0.00%	VOIs	0.00%
Metro			
Alpha	0.01%		
Beta	0.00%		
Delta	99.03%		
Gamma	0.00%		
Omicron	0.62%		
Other	0.34%		
VOIs	0.00%		

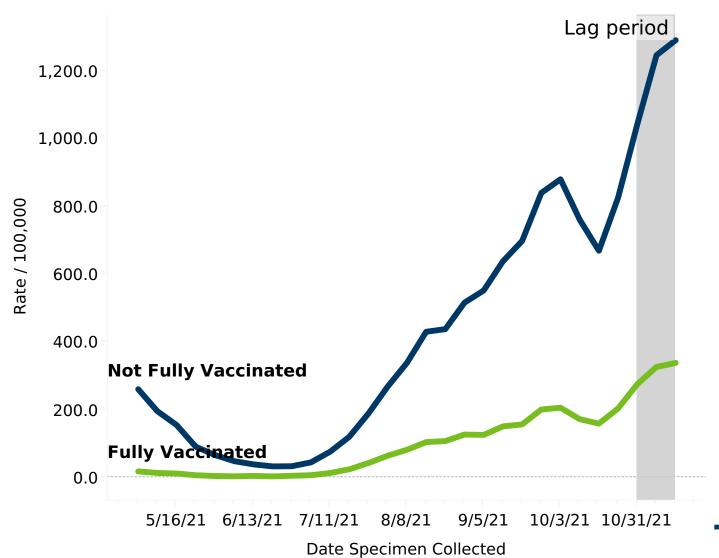
A map of counties included in regions can be found at

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.



3,322,316
Total number of fully vaccinated Minnesotans age 12 and older (as of the week beginning 11/14/21)

125,076
Total VBT Cases (cumulative)

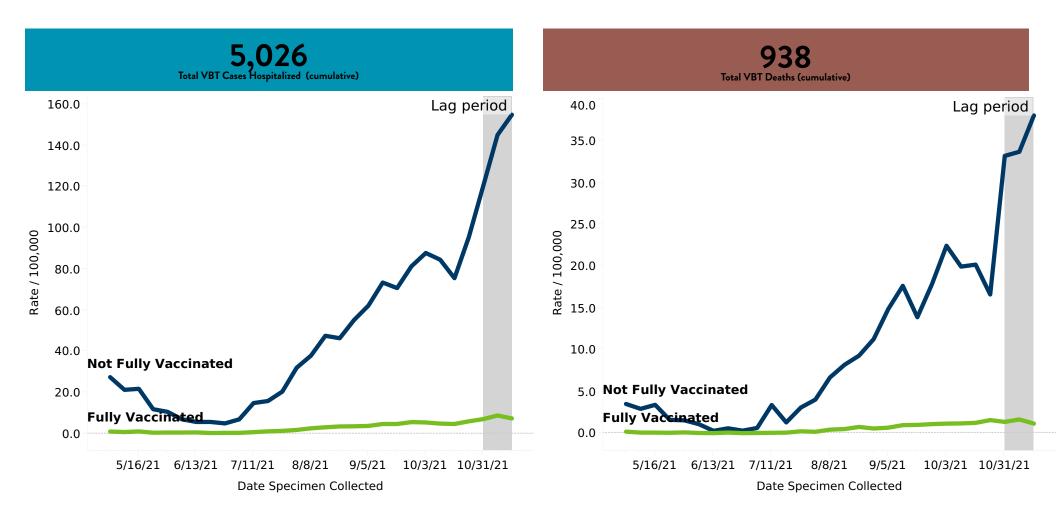
All VBT data in this report is as of 12/20/21

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)

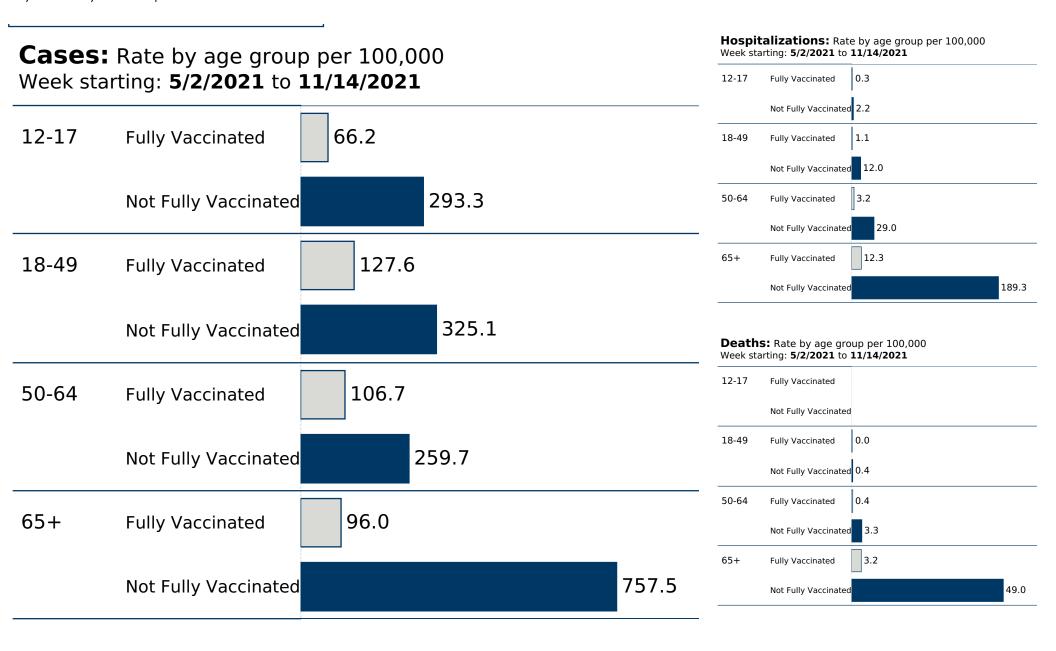
#### **VBT Hospitalizations and Deaths**

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

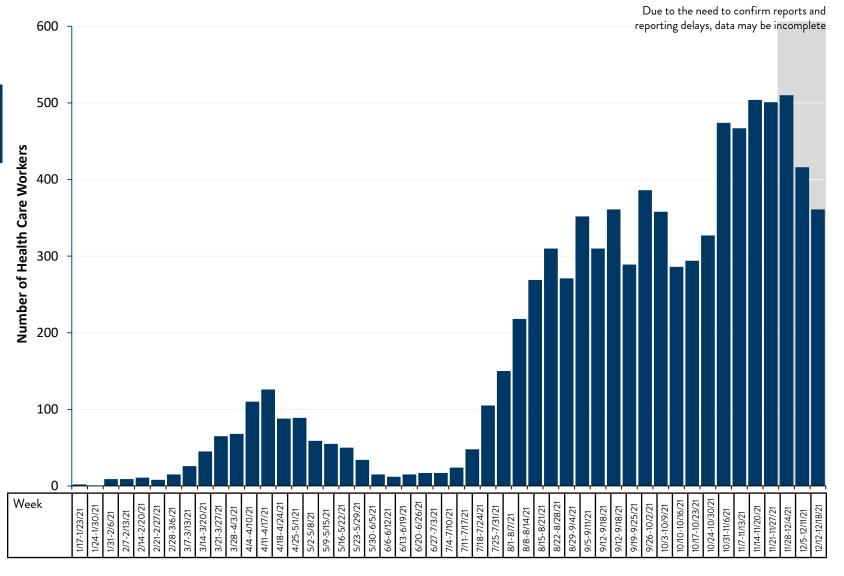
These graphs show vaccine breakthrough cases stratified by age to better illustrate the impact of COVID-19 across different age groups. Fully vaccinated is defined as 14 or more days after they have completed all recommended doses of a COVID-19 vaccine.



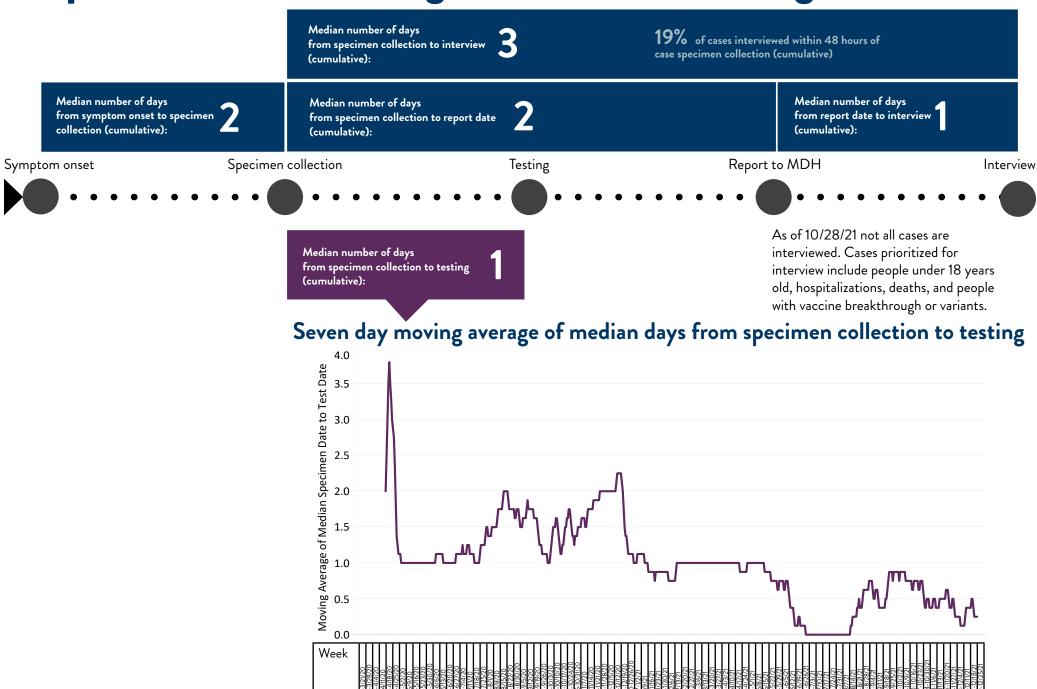
#### VBT Cases among Health Care Workers

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.

8,536
VBT Cases among Health Care Workers (cumulative)



# Response Metrics: Testing and Interview Timing



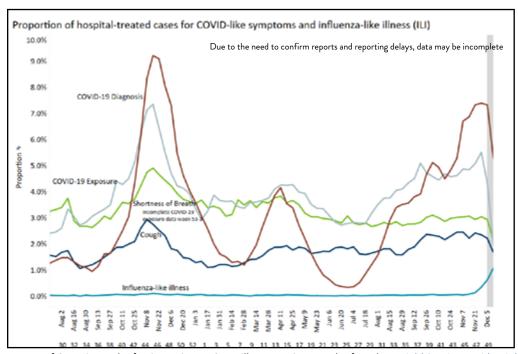
#### Syndromic Surveillance

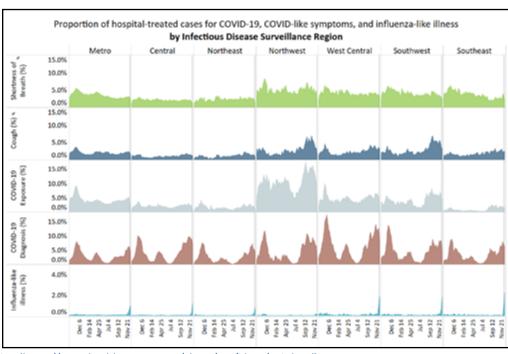
These syndromic surveillance data come from the Encounter Alert Service (EAS), which is utilizing an existing service to support and leverage the development of this activity. These data provide situational awareness to help inform public health decision making, resource allocation, and other actions.

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 December 18, 2021. 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 December 18, 2021, these data represent all patients from about 130 hospitals in Minnesota, covering approximately 88% of the hospital beds statewide. Efforts are underway to expand hospitals to more fully represent the state.



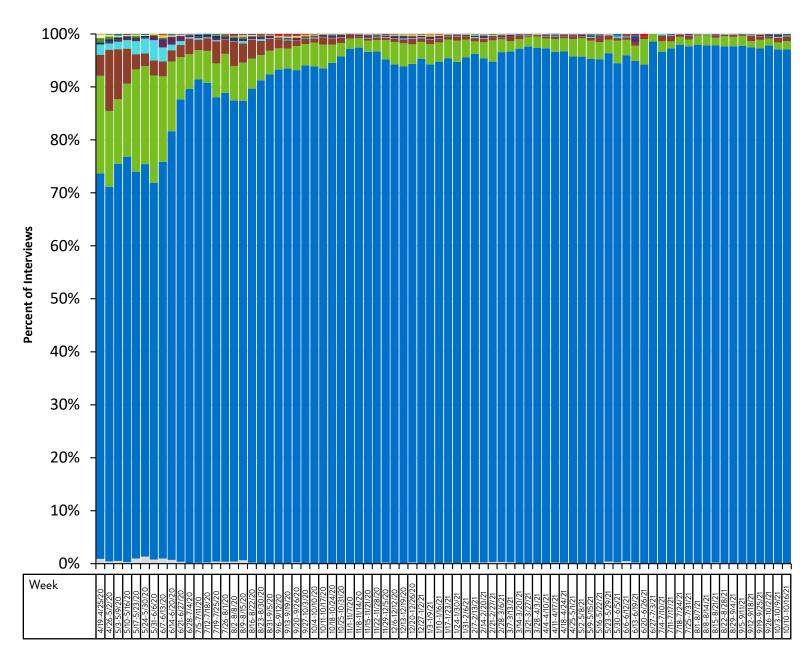


Map of Counties and Infectious Disease Surveillance Regions can be found on: Field Services Epidemiologists (https://www.health.state.mn.us/about/org/idepc/epis.html)

Minnesota Department of Health Weekly COVID-19 Report: Updated 12/23/2021 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.



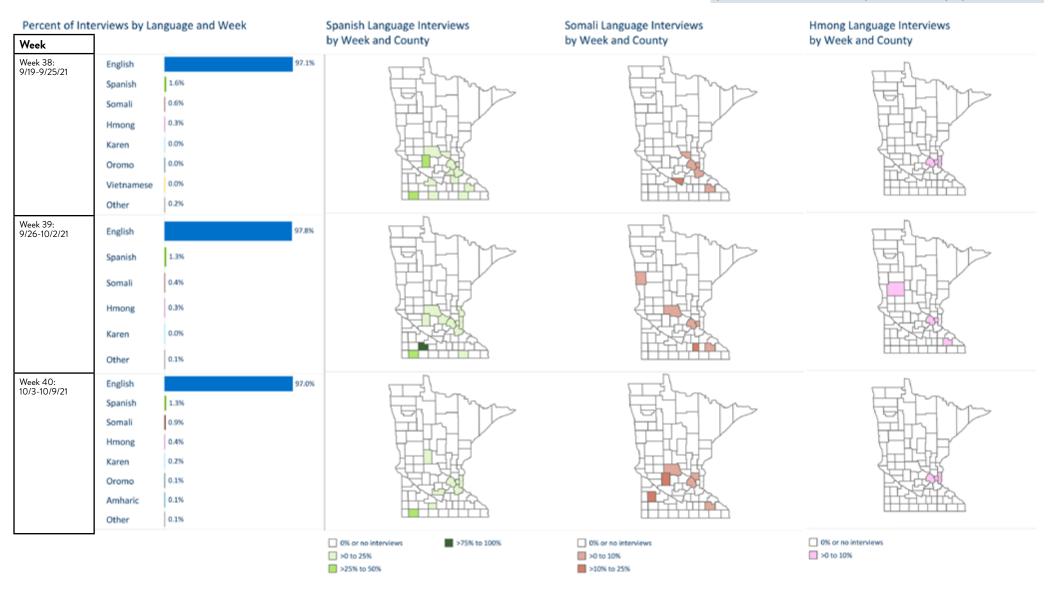
# This information is no longer collected for all cases, therefore this data will no longer be updated.

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

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

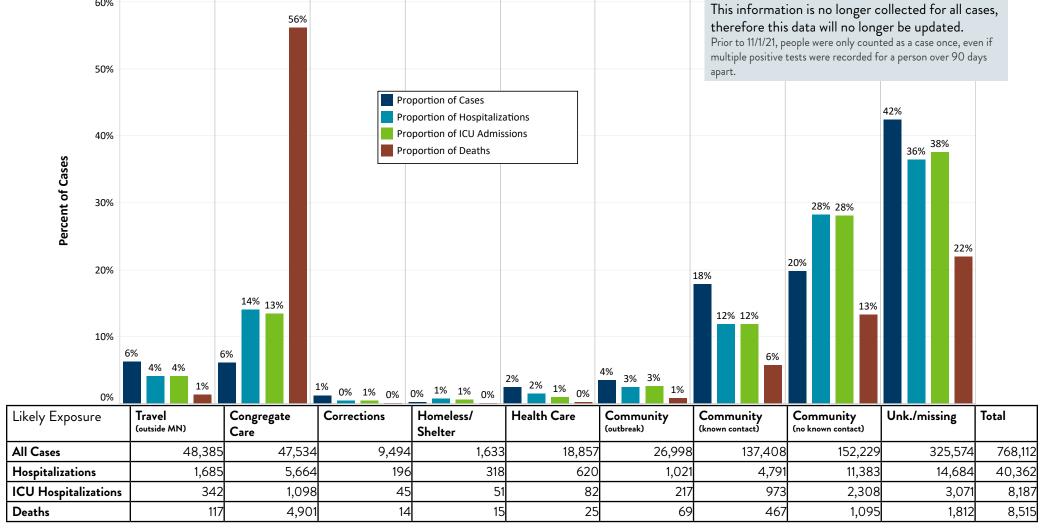
Percent of interviews by language and week of specimen collection by county of residence.

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



#### Likely Exposure (Archived)

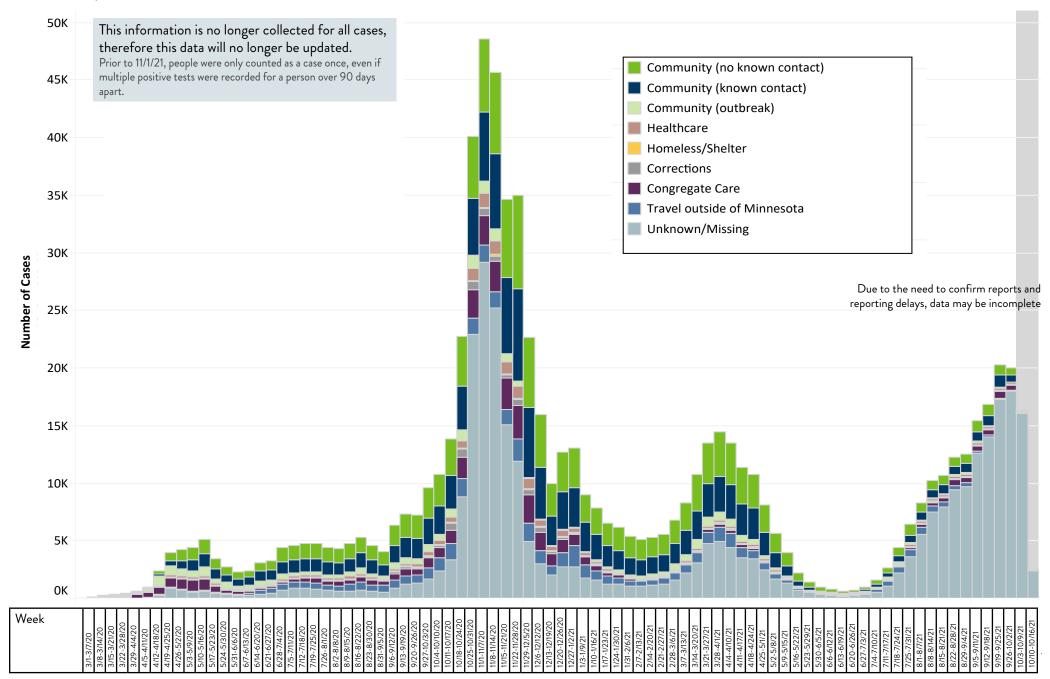
Likely exposure for confirmed and probable cases. Exposure data is collected at case interview. Cases are categorized according to a hierarchy following the order of exposure type: outbreak, travel, LTC staff and residents, corrections, homeless shelter, acute health care, community-exposure with known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

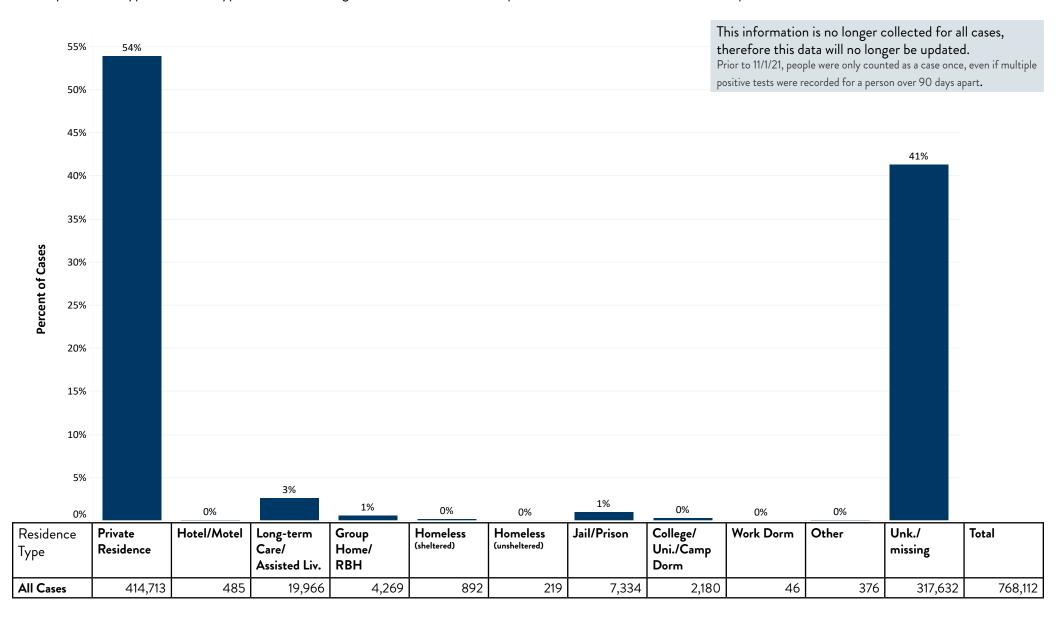
#### Cases by Likely Exposure and Specimen Collection Date (Archived)

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)

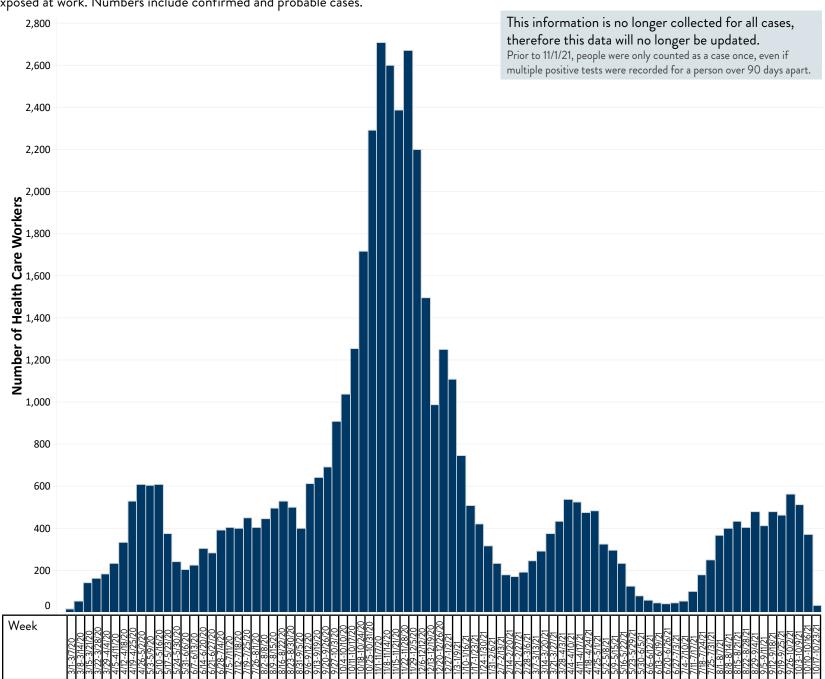
This data is for all cases who reported their occupation as health care staff in acute care or congregate care facilities. Not all cases who are health care workers were exposed at work. Numbers include confirmed and probable cases.



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
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

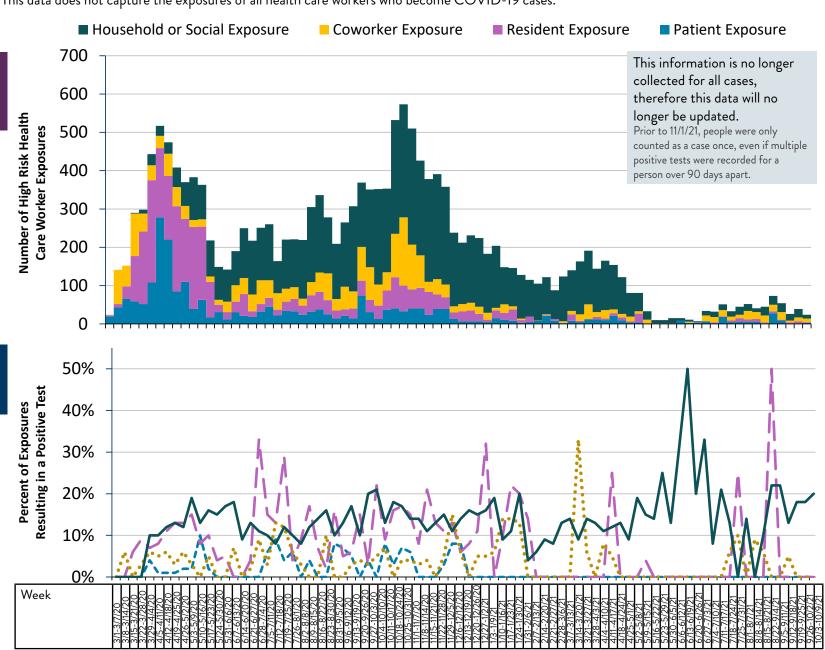
1,667

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

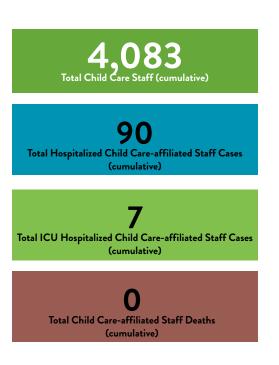
6% HCW tested positive after an exposure at work

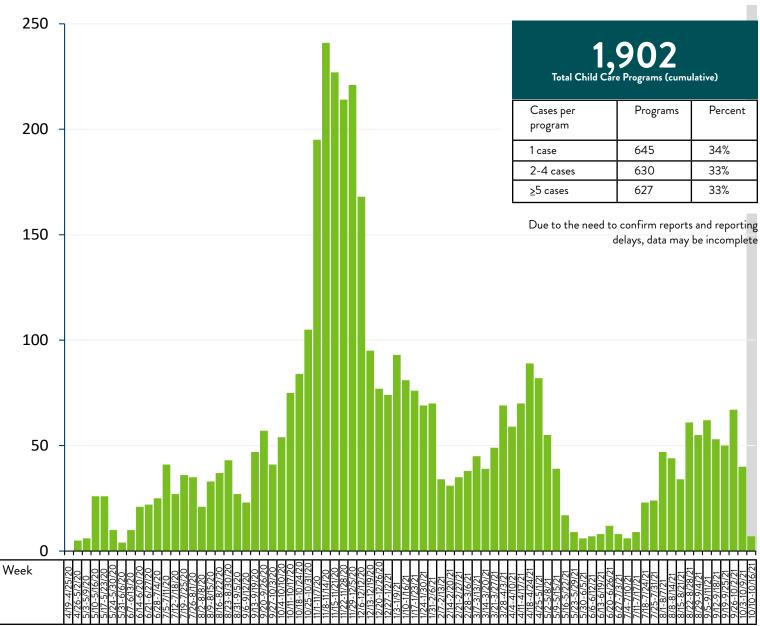


## Staff with Potential Exposure in Child Care Settings (Archived)

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.



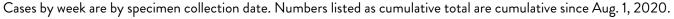


# Staff Cases Associated with Pre-K through Grade 12 School Buildings (Archived)

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

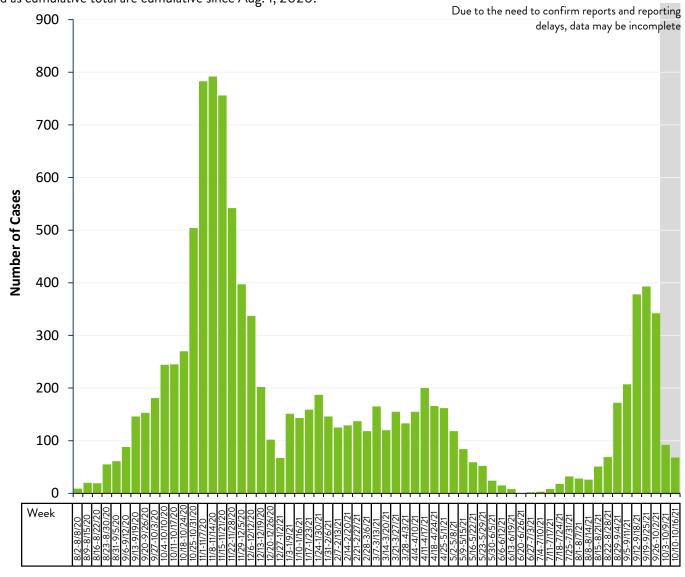
Total Hospitalized PreK-12-affiliated Staff Cases (cumulative)

47

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

13

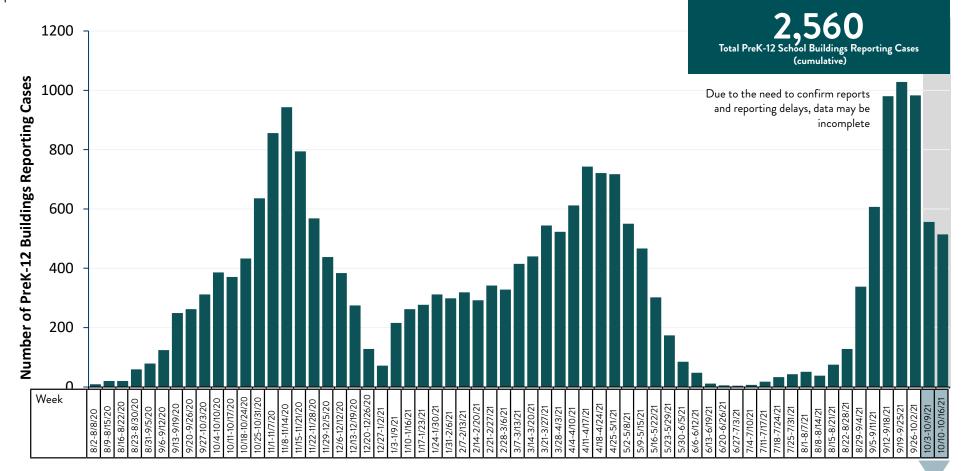
Total PreK-12-affiliated Staff Deaths (cumulative)



#### 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)

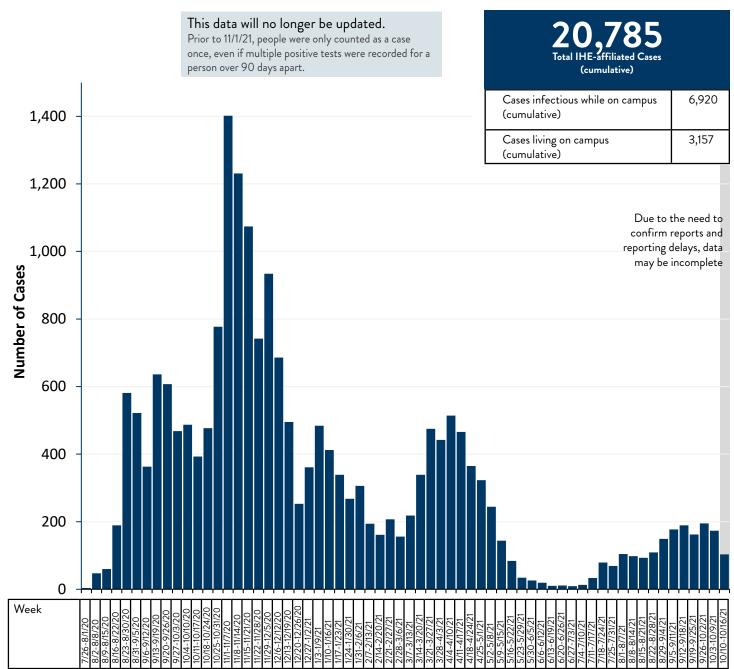
Cases of COVID-19 affiliated with faculty, staff, and students working or enrolled at a Minnesota Institute of Higher Education (IHE) while they were potentially exposed to or able to spread COVID-19. IHE include colleges, universities, and private career schools. Numbers include confirmed and probable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

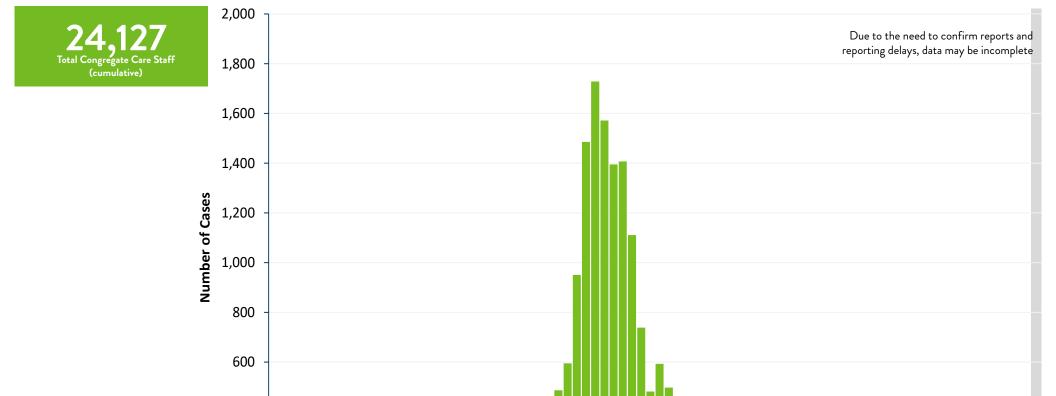
Cases of COVID-19 associated with staff living in congregate settings by specimen collection date. Congregate care settings include nursing homes, assisted living-type facilities, group homes, and other communal-living settings with a healthcare component. Numbers include confirmed and probable cases.

400

200

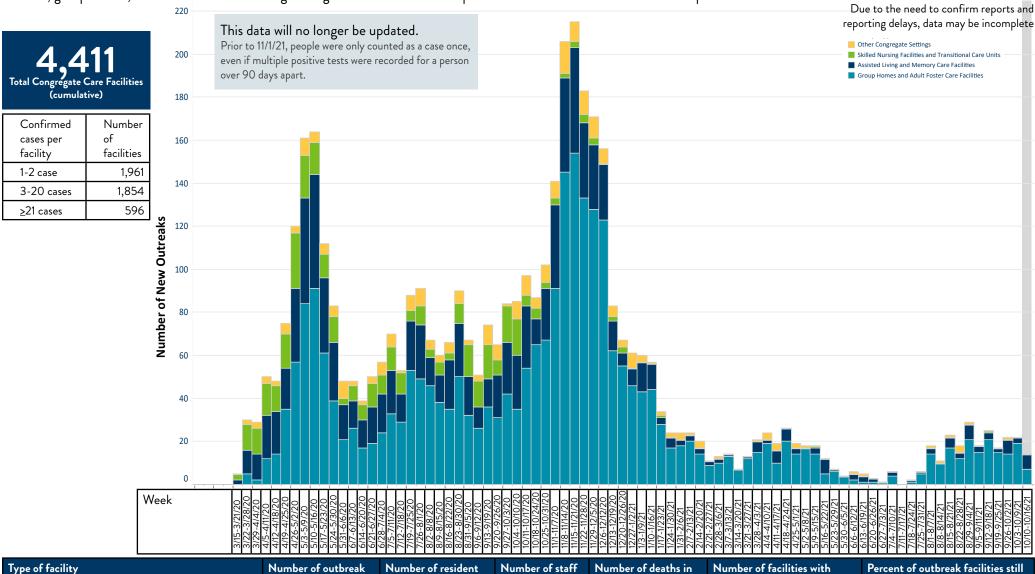
Week

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: <a href="COVID-19 Weekly Report">COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)</a>