Minnesota Department of Health

WEEKLY COVID-19 REPORT 11/4/2021

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 trends and situational insights as well as trends over time.

- Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html) updated daily at 11 a.m.
- 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/)
 - Iowa: Novel Coronavirus (COVID-19) (https://idph.iowa.gov/Emerging-Health-Issues/Novel-Coronavirus)
 - 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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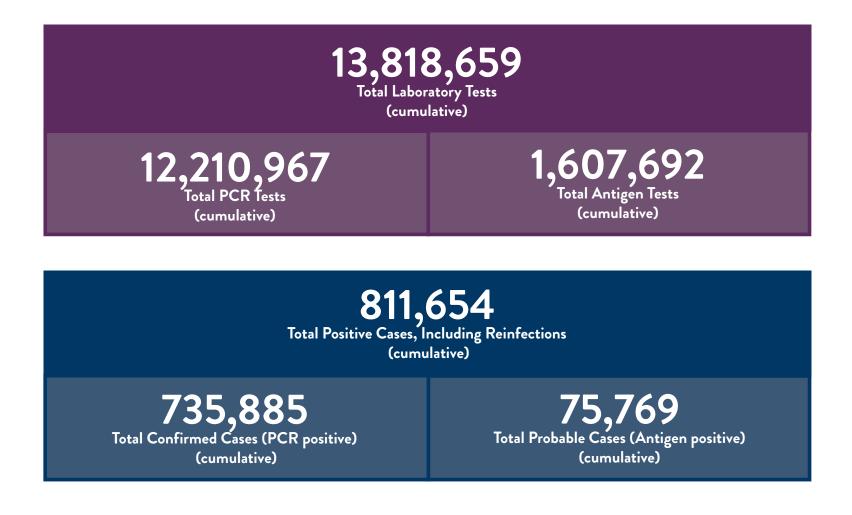
About Minnesota COVID-19 Data

- 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.

DEPARTMENT OF HEALTH

health.mn.gov/coronavirus

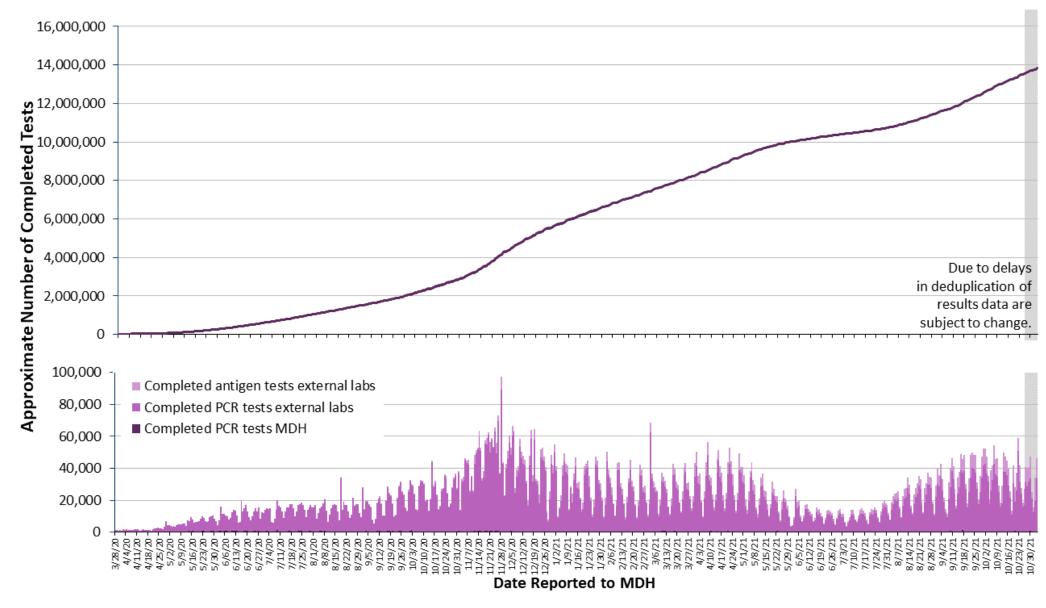
COVID-19 Overview Summary



Laboratory Tests for COVID-19



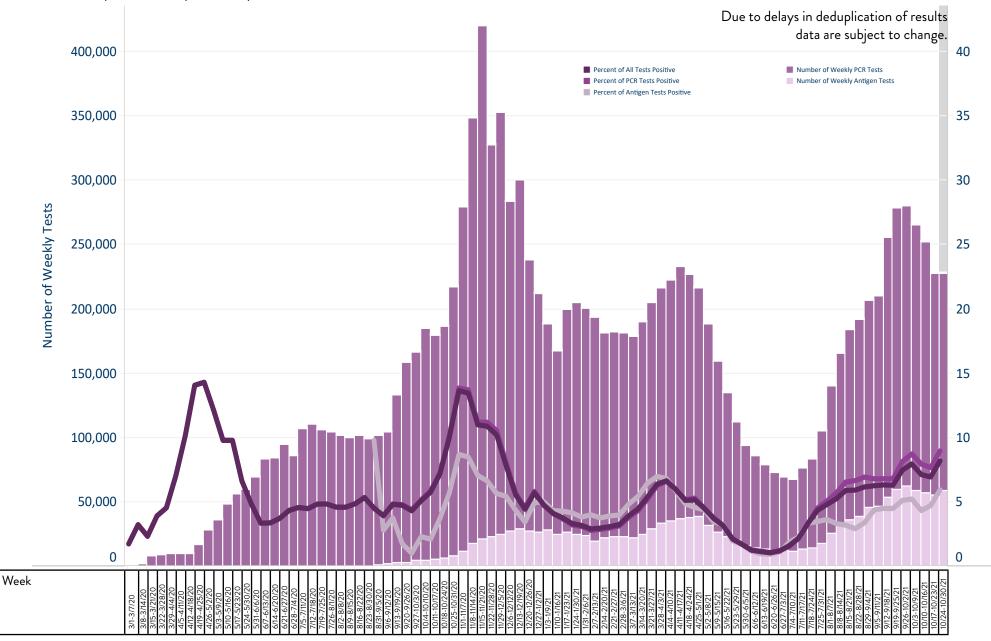
Testing numbers show how many total tests have been done for cases who live in Minnesota. Some people get tested more than once. Tests are reported per test to account for changes in testing capacity and for individuals who are tested more than once over the course of the pandemic. Tests are reported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



Page 5

Laboratory Test Rates by County of Residence

24,469 tests per 10,000 people statewide

Number of Tests Cumulative Rate

25,470

23,273

22,151

23,614

24,451

25,602

22,332

24,679

17,848

29,276

23,888

25,478

14,649

17,800

24,979

19,957

25,347

24,012

14,057

23,835

26,967

35,813

27,607

20,495

21,085

25,495

20,972

25,027

24,175

23,835

25,899

25,036

17,791

26,671

28,186

31,803

23,698

23,763

23,180

17,069

26,681

19,783

25,140

50,849

County

Martin

18,215

Number of Tests Cumulative Rate

28.842

County

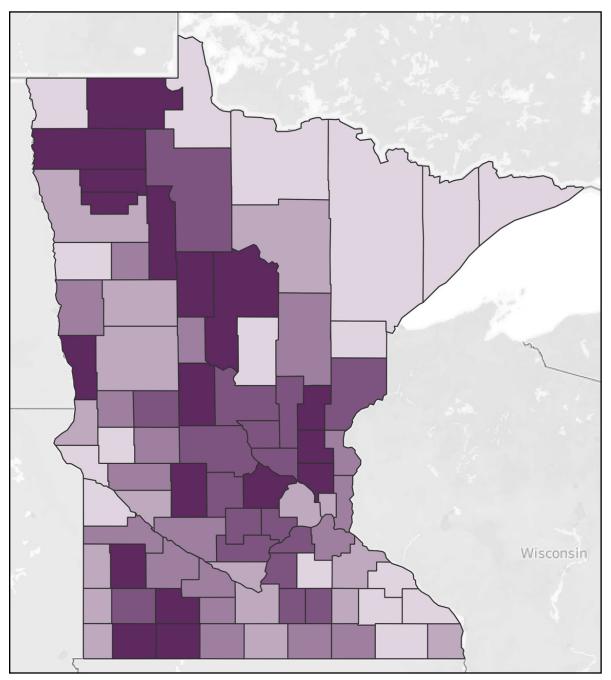
Aitkin

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.

reporting both positive and negative results are included.	Altkin	20,042	10,213	Iwartin	50,649	L
reporting both positive and negative results are meladed.	Anoka	735,393	21,167	McLeod	83,374	ſ
	Becker	76,859	22,758	Meeker	51,123	ſ
	Beltrami	89,895	19,493	Mille Lacs	60,753	ſ
	Benton	106,622	26,804	Morrison	80,564	ſ
	Big Stone	17,727	35,341	Mower	101,388	ſ
	Blue Earth	172,680	26,037	Murray	18,654	Γ
I all a the state stress of	Brown	71,791	28,476	Nicollet	83,374	Г
	Carlton	104,240	29,330	Nobles	38,979	Г
	Carver	205,516	20,466	Norman	19,202	Γ
	Cass	45,988	15,846	Olmsted	365,649	Г
	Chippewa	34,496	28,723	Otter Tail	147,752	ſ
	Chisago	128,674	23,512	Pennington	20,778	Γ
	Clay	131,446	20,931	Pine	51,851	Γ
	Clearwater	14,089	15,988	Pipestone	22,943	Г
	Cook	11,553	21,753	Polk	63,045	ſ
	Cottonwood	25,790	22,679	Pope	27,831	ſ
	Crow Wing	126,189	19,762	Ramsey	1,300,241	ſ
	Dakota	933,310	22,317	Red Lake	5,634	ſ
	Dodge	50,114	24,348	Redwood	36,542	Г
	Douglas	93,180	25,046	Renville	39,698	ſ
	Faribault	40,480	29,131	Rice	235,525	Ĺ
	Fillmore	54,886	26,276	Rock	25,986	
	Freeborn	84,973	27,836	Roseau	31,690	Ĺ
	Goodhue	113,346	24,525	Scott	302,306	
	Grant	12,951	21,810	Sherburne	237,695	
	Hennepin	3,051,137	24,696	Sibley	31,273	L
	Houston	27,227	14,589	St. Louis	500,748	L
	Hubbard	28,380	13,604	Stearns	379,115	L
	Isanti	75,350	19,333	Steele	87,419	L
	Itasca	106,156	23,484	Stevens	25,340	L
	Jackson	17,248	17,167	Swift	23,561	L
	Kanabec	25,460	15,909	Todd	43,480	L
	Kandiyohi	113,328	26,567	Traverse	8,900	L
	Kittson	11,735	27,058	Wabasha	60,599	L
	Koochiching	31,419	24,849	Wadena	43,398	L
Wisconsin	Lac qui Parle	19,554	28,871	Waseca	44,574	L
	Lake	26,493	25,067	Washington	601,958	L
	Lake of the Woods	9,199	24,151	Watonwan	25,435	Ĺ
	Le Sueur	54,700	19,548	Wilkin	10,827	L
	Lincoln	13,635	23,892	Winona	135,667	Ĺ
	Lyon	57,874	22,398	Wright	262,612	Ĺ
	Mahnomen	9,559	17,361	Yellow Medicine	24,808	Ĺ
	Marshall	13,608	14,489	Unknown/missing	508,652	Ĺ
Mission and Department of Hardely Worlds COVID 10 Departs Used at d 11/4/2021 with data suggests of the		· 1				

Percent of Tests Positive by County of Residence

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

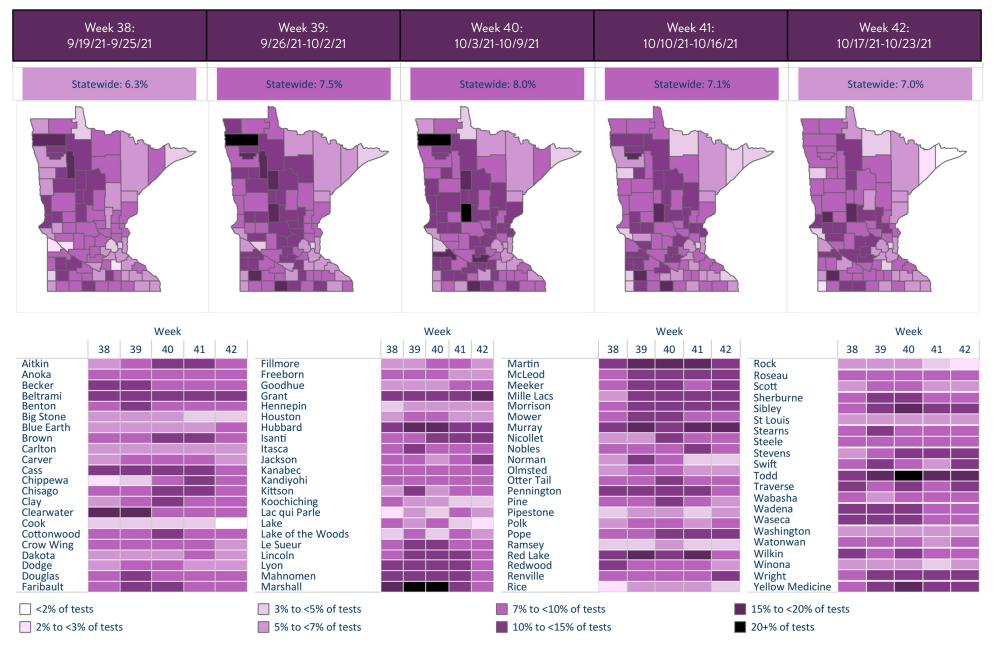


			176 vide (cumulative)
County	% Positive	County	% Positive
Aitkin	6.5%	Martin	6.7%
Anoka	7.9%	McLeod	7.7%
Becker	5.4%	Meeker	7.3%
Beltrami	7.5%	Mille Lacs	7.7%
Benton	7.3%	Morrison	7.2%
Big Stone	4.3%	Mower	6.6%
Blue Earth	5.8%	Murray	7.6%
Brown	6.2%	Nicollet	5.7%
Carlton	4.3%	Nobles	12.4%
Carver	6.9%	Norman	4.0%
Cass	7.8%	Olmsted	5.2%
Chippewa	5.8%	Otter Tail	5.5%
Chisago	6.8%	Pennington	8.7%
Clay	6.4%	Pine	7.7%
Clearwater	9.1%	Pipestone	5.9%
Cook	2.4%	Polk	5.6%
Cottonwood	7.8%	Pope	5.9%
Crow Wing	5.4%	Ramsey	5.6%
Dakota	6.8%	Red Lake	9.0%
Dodge	5.6%	Redwood	6.8%
Douglas	7.2%	Renville	6.1%
Faribault	5.8%	Rice	4.4%
Fillmore	4.8%	Rock	5.5%
Freeborn	6.1%	Roseau	8.9%
Goodhue	5.7%	Scott	7.3%
Grant	6.4%	Sherburne	7.5%
Hennepin	5.6%	Sibley	7.1%
Houston	6.0%	St. Louis	4.7%
Hubbard	7.8%	Stearns	7.7%
Isanti	7.9%	Steele	7.1%
Itasca	5.7%	Stevens	5.1%
Jackson	8.5%	Swift	6.4%
Kanabec	8.2%	Todd	9.1%
	7.8%	Traverse	5.5%
Kandiyohi Kittson	5.4%	Wabasha	5.3%
Koochiching	4.5%	Wadana	6.4%
	4.5%	Waseca	7.7%
Lac qui Parle	4.5%		6.3%
Lake Lake of the Woods	4.5%	Washington Watonwan	6.7%
Lake of the Woods			
Lincoln	7.0%	Winene	8.0%
	5.6%	Winona	4.6%
Lyon	8.4%	Wright	8.2%
Mahnomen	6.4%	Yellow Medicine	6.3%
Marshall	9.9%	Unknown/missing	3.3% Dago

6 1%

Weekly Percent of Tests Positive by County of Residence

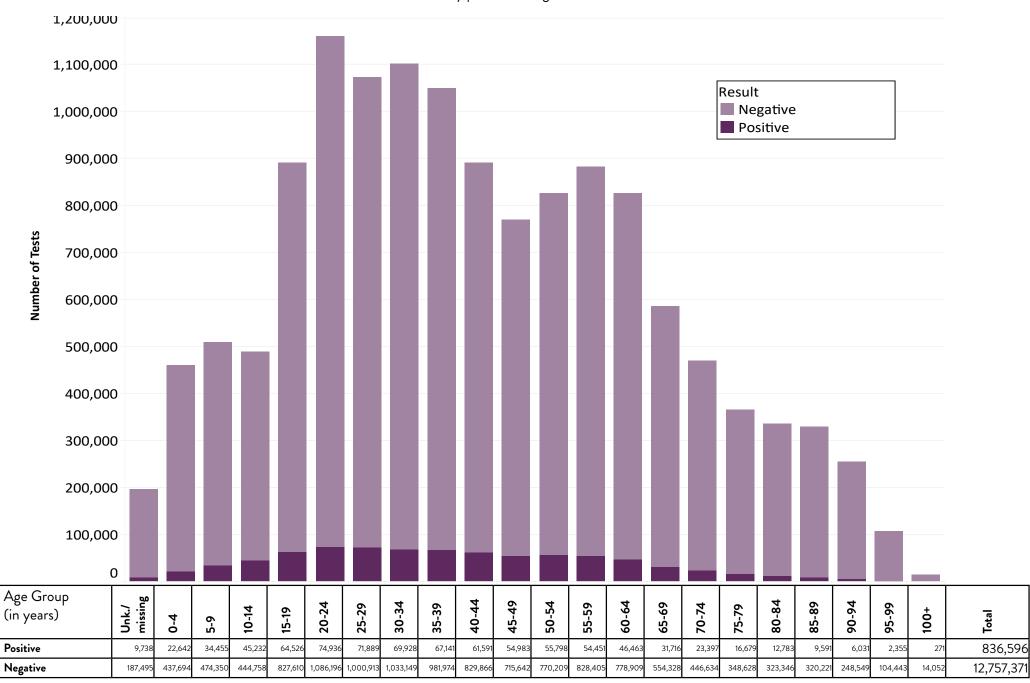
Percent of positive tests by county of residence in Minnesota by week of specimen collection. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations. Percent positive is the percent of positive tests from the total number of tests by county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

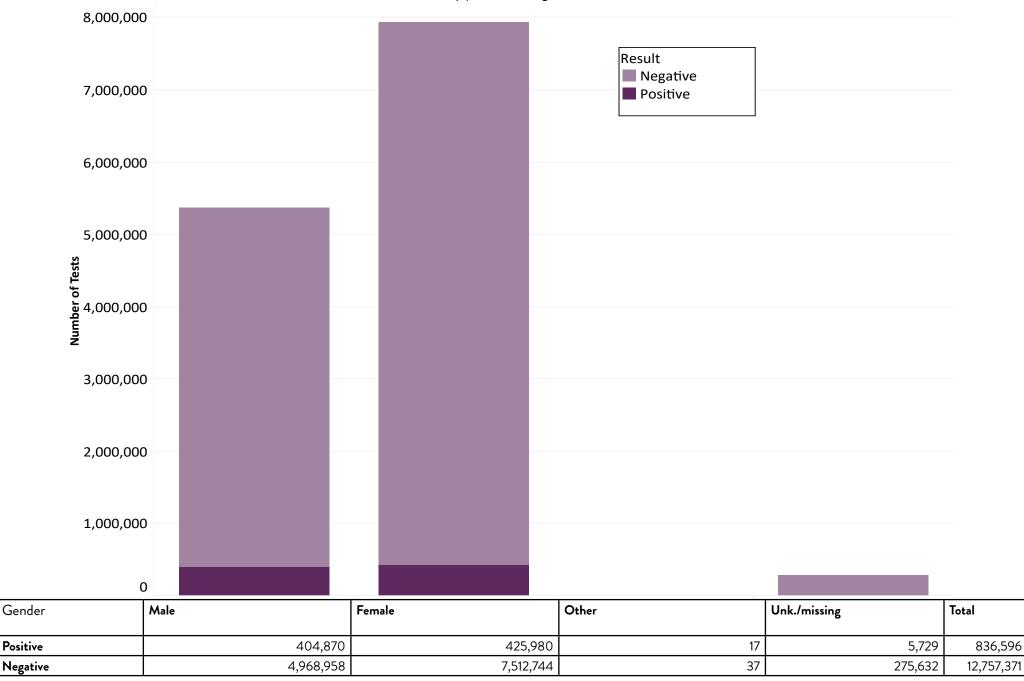
Testing Demographics: Age

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).



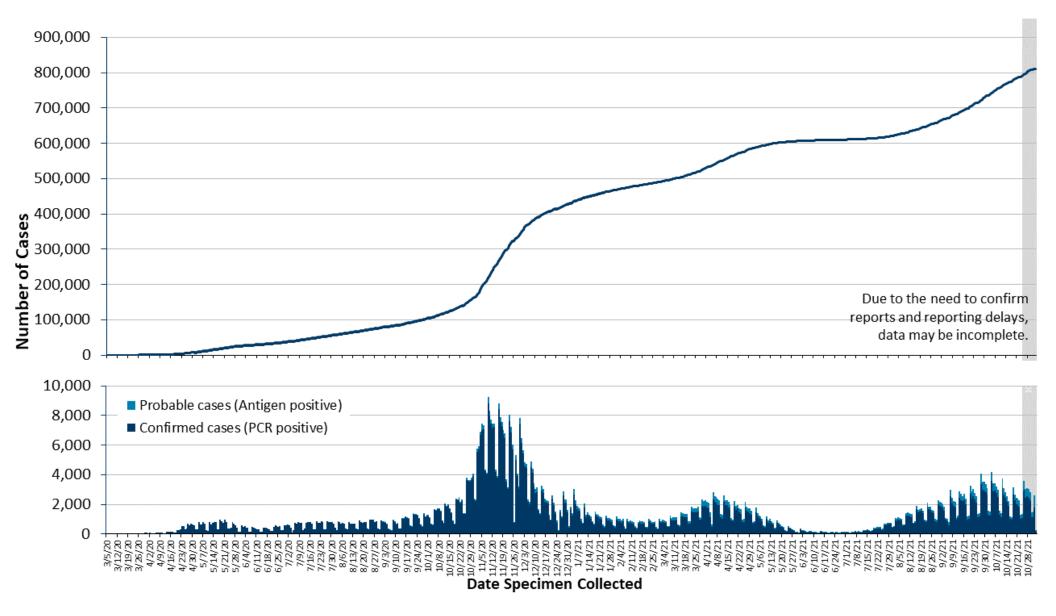
Testing Demographics: Gender

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.



including Reinfections

(cumulative)

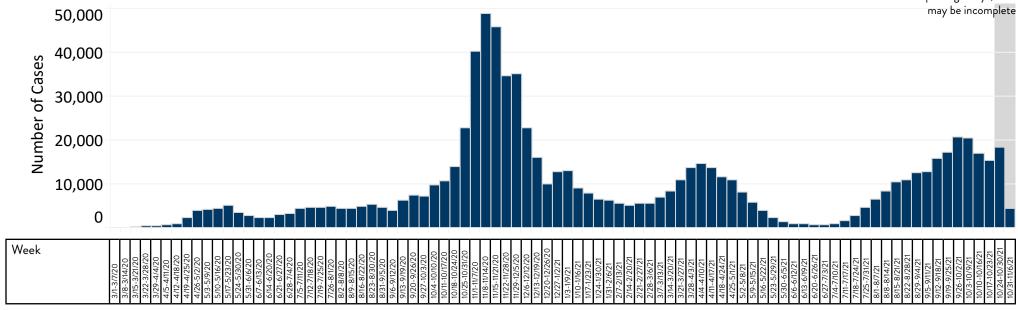
Tables of current data: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

New Cases by Week, 7-Day Average

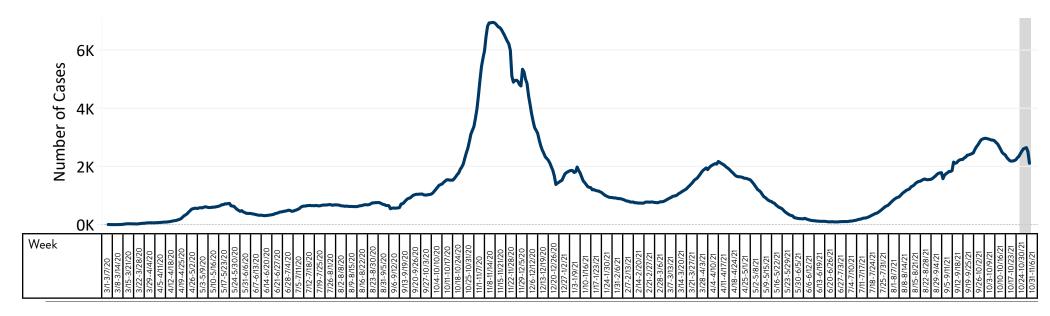
Cases by week of specimen collection date, and 7-day moving average of new cases.

New Cases by Week of Specimen Collection

Due to the need to confirm reports and reporting delays, data

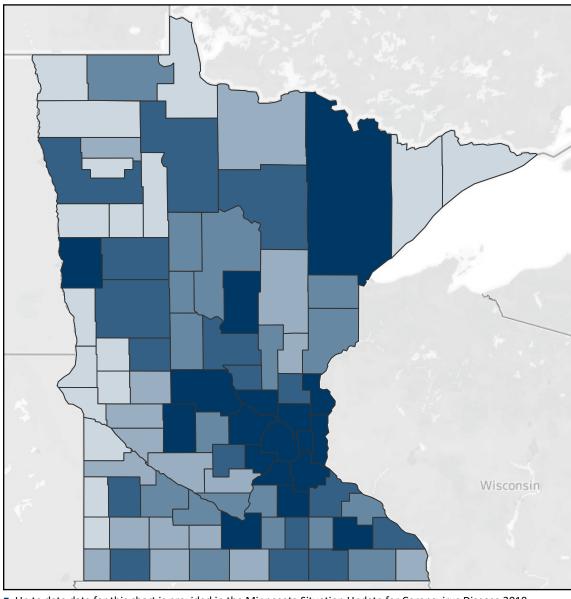


Seven Day Moving Average of New Cases



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



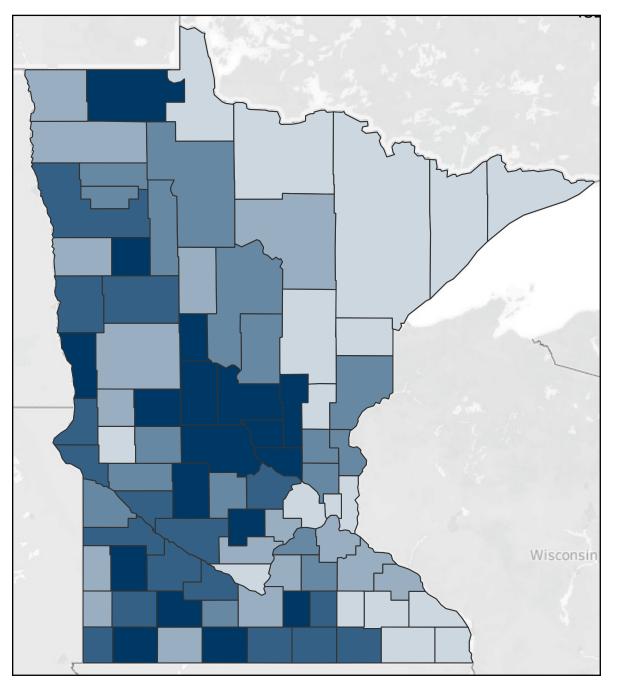
• Up to date data for this chart is provided in the Minnesota Situation Update for Coronavirus Disease 2019
(COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

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)

Total Pos	811,654 itive Cases (cui	mulative)	780,030 No Longer Needing Isolation (cumulative)							
County	nty Cases		County	Cases	Cases no longer needing isolatior					
Aitkin	1,953	1,843	Martin	3,479	3,31					
Anoka	56,748	54,799	McLeod	6,350	6,034					
Becker	5,691	5,415	Meeker	3,807	3,61					
Beltrami	7,136	6,708	Mille Lacs	4,496	4,24					
Benton	7,934	7,543	Morrison	6,035	5,73					
Big Stone	856	810	Mower	6,793	6,59					
Blue Earth	10,159	9,825	Murray	1,430	1,37					
Brown	4,332	4,152	Nicollet	4,586	4,38					
Carlton	4,753	4,518	Nobles	4,998	4,87					
Carver	14,413	13,918	Norman	942	89					
Cass	4,514	4,335	Olmsted	19,309	18,46					
Chippewa	2,012	1,921	Otter Tail	8,664	8,19					
Chisago	8,823	8,520	Pennington	2,253	2,17					
Clay	10,838	10,357	Pine	4,500	4,34					
Clearwater	1,428	1,379	Pipestone	1,384	1,33					
Cook	256	247	Polk	5,440	5,19					
Cottonwood	2,086	1,979	Pope	1,763	1,65					
Crow Wing	10,160	9,665	Ramsey	66,245	63,76					
Dakota	59,801	57,762	Red Lake	621	58					
Dodge	2,905	2,787	Redwood	2,538	2,42					
Douglas	6,778	6,401	Renville	2,350	2,3					
Faribault	2,321	2,240	Rice	10,365	10,04					
Fillmore	2,670	2,512	Rock	1,637	1,58					
Freeborn	5,103	4,938	Roseau	2,815	2,69					
Goodhue	6,650	6,301	Scott	22,645	2,07					
Grant	859	811	Sherburne	16,393	15,78					
Hennepin	160,547	155,123	Sibley	2,265	2,16					
Houston	2,431	2,347	St. Louis	25,350	24,11					
Hubbard	3,111	2,944	Stearns	29,998	24,11					
Isanti	6,111	5,847	Steele	6,158	5,95					
Itasca	6,634	6,317	Stevens	1,371	1,28					
Jackson	1,529	1,484	Swift	1,476	1,20					
Kanabec	2,048	1,938	Todd	4,360	4,11					
Kandiyohi	8,883	8,520	Traverse	4,300	52					
,	636	598	Wabasha	3,274	3,08					
Kittson Koochiching	1,458	1,385	Wadena	2,617	2,44					
	1,071			3,410						
Lac qui Parle Lake	1,071	1,001	Waseca Washington	3,410	3,31					
		· ·	Washington		34,10					
Lake of the Woods	497	483	Watonwan	1,811	1,73					
Le Sueur	4,045	3,908	Wilkin	1,106	1,04					
Lincoln	821	792	Winona	6,398	6,20					
Lyon	4,814	4,623	Wright	22,653	21,72					
Mahnomen	961	917	Yellow Medicine	1,692	1,60					
Marshall	1,397	1,335	Unknown/missing	552	52					

Cumulative Case Rate by County of Residence

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



County	Cumulative Rate	County	Cumulative Rate
Aitkin	1,233	Martin	1,743
Anoka	1,633	McLeod	1,773
Becker	1,685	Meeker	1,650
Beltrami	1,547	Mille Lacs	1,748
Benton	1,995	Morrison	1,832
Big Stone	1,707	Mower	1,715
Blue Earth	1,532	Murray	1,712
Brown	1,718	Nicollet	1,357
Carlton	1,337	Nobles	2,289
Carver	1,435	Norman	1,436
Cass	1,555	Olmsted	1,261
Chippewa	1,675	Otter Tail	1,494
Chisago	1,612	Pennington	1,588
Clay	1,726	Pine	1,545
Clearwater	1,621	Pipestone	1,507
Cook	482	Polk	1,722
Cottonwood	1,834	Pope	1,606
Crow Wing	1,591	Ramsey	1,223
Dakota	1,430	Red Lake	1,549
Dodge	1,411	Redwood	1,655
Douglas	1,822	Renville	1,667
Faribault	1,670	Rice	1,576
Fillmore	1,278	Rock	1,739
Freeborn	1,672	Roseau	1,821
Goodhue	1,439	Scott	1,579
Grant	1,447	Sherburne	1,758
Hennepin	1,299	Sibley	1,519
Houston	1,303	St. Louis	1,267
Hubbard	1,491	Stearns	1,913
Isanti	1,568	Steele	1,679
ltasca	1,468	Stevens	1,401
Jackson	1,522	Swift	1,568
Kanabec	1,280	Todd	1,784
Kandiyohi	2,082	Traverse	1,666
Kittson	1,466	Wabasha	1,523
Koochiching	1,153	Wadena	1,918
Lac qui Parle	1,581	Waseca	1,813
Lake	1,091	Washington	1,395
Lake of the Woods	1,305	Watonwan	1,650
Le Sueur	1,446	Wilkin	1,744
Lincoln	1,439	Winona	1,258
Lyon	1,863	Wright	1,707
, Mahnomen	1,745	Yellow Medicine	1,715
Marshall	1,487		<u>,</u>

1,468 cases per 10,000 people

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.

	Week 38: Week 39: 9/19/21-9/25/21 9/26/21-10/2/21								Week 4 /3/21-1		10/	Wee /10/2		: 16/21		Week 42: 10/17/21-10/23/21							
Statewide 31.0						Statewide 37.3		Statewide 36.9				Statewide 30.9						Statewide 27.9					
	38	39	Week 40	41	42		38	39	Wee 40	k 41	42		38		Week 40		42		38	3 39	Weel 9 40	k 41	42
Aitkin Anoka Becker Beltrami Benton Big Stone Blue Earth Brown Carlton Carver Cass Chippewa Chisago Clay Clearwater Cook Cottonwood Crow Wing Dakota Dodge Douglas Faribault Cases Per 10,0			Image: state		>0 to •	Fillmore Freeborn Goodhue Grant Hennepin Houston Hubbard Isanti Itasca Jackson Kanabec Kandiyohi Kittson Koochiching Lac qui Parle Lake Lake of the Woods Le Sueur Lincoln Lyon Mahnomen Marshall			15 to			Martin McLeod Meeker Mille Lacs Morrison Mower Murray Nicollet Nobles Norman Olmsted Otter Tail Pennington Pine Pipestone Polk Pope Ramsey Red Lake Redwood Renville Rice		2 2 2 2 3 2 4 2 5 2 6 2 7 2 8 2 9 2 10 2 11 2 12 2 13 2 14 2 15 2 16 2 17 2 18 2 19 2 10 2 10 2 11 2 12 2 13 2 14 2 15 2 16 2 17 2 18 2 19 2 10 2 10 2 11 2 12 2 13 2 14				Rock Roseau Scott Sherburne Sibley St Louis Stearns Steele Stevens Swift Todd Traverse Wabasha Wadena Waseca Washington Watonwan Wilkin Winona Wright Yellow Medio				Image: section of the sectio	

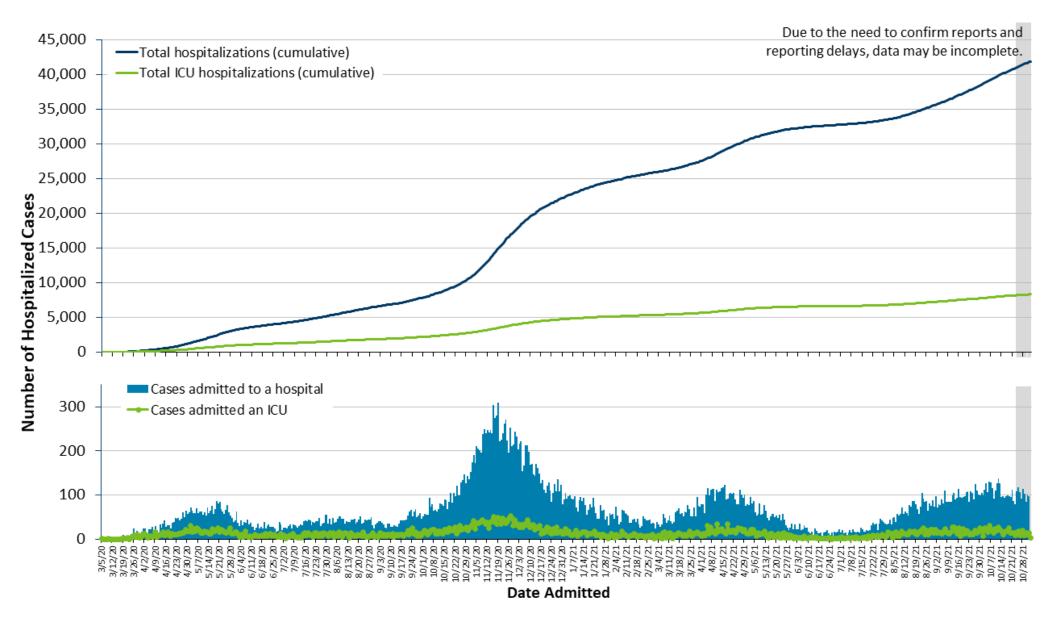
Downloadable CSV file of current data for these maps is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

Hospitalizations, ICU Hospitalizations

41,931 Total Hospitalizations (cumulative)

8,458 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.

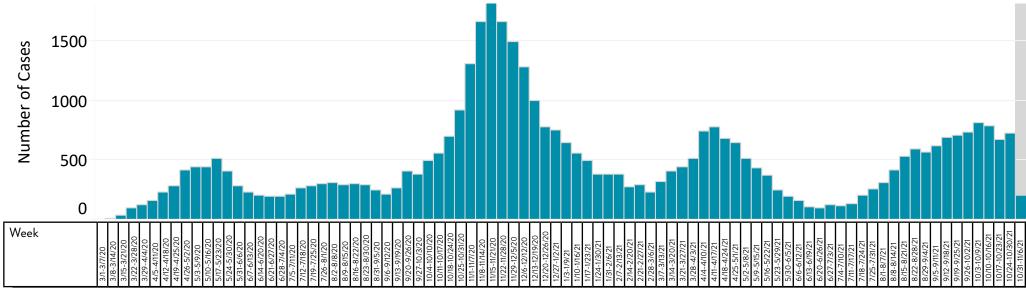


Tables of current data: <u>Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html</u>)

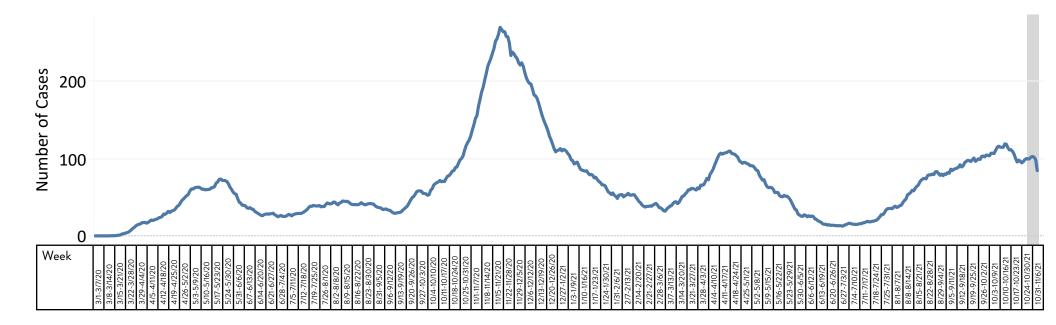
Hospitalizations by Week, 7-Day Average

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

New Hospitalization by Week First Hospital Admission



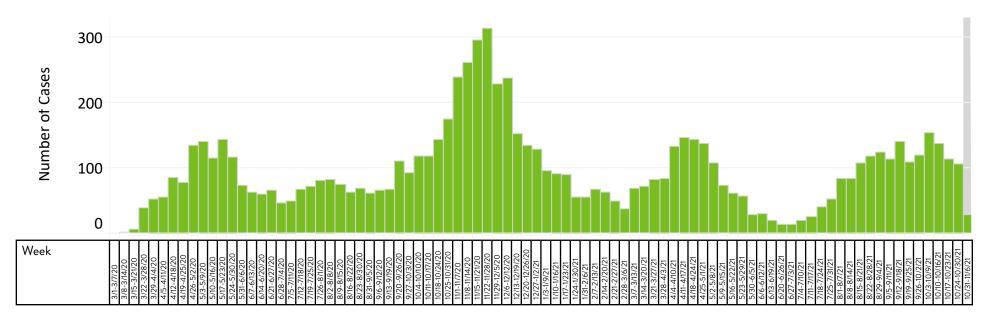
Seven Day Moving Average of New Hospitalizations



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

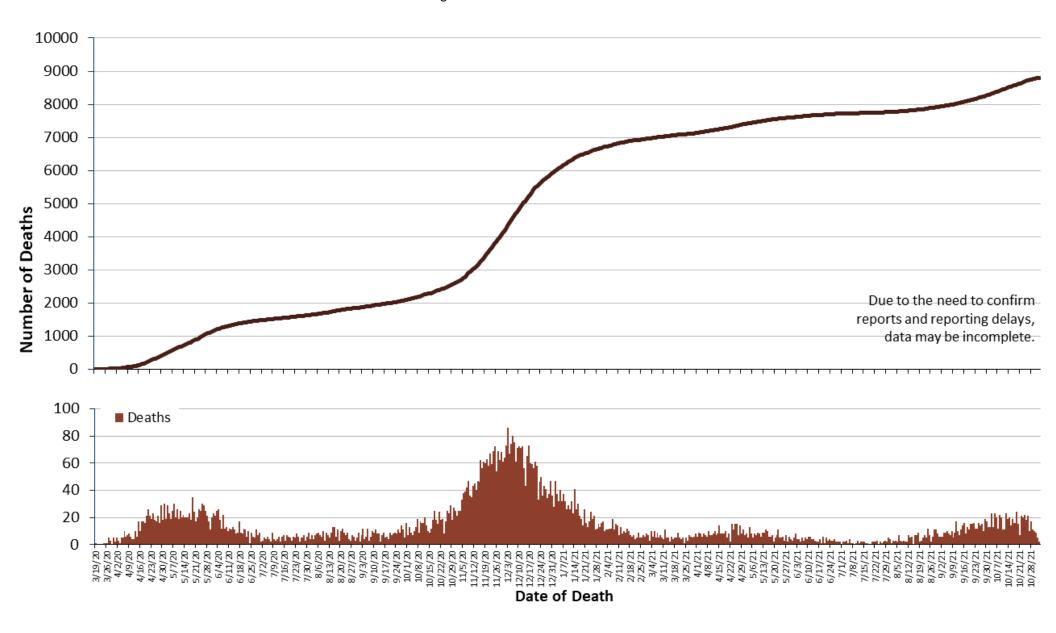


Seven Day Moving Average of New ICU Hospitalizations



COVID-19 Deaths

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.).

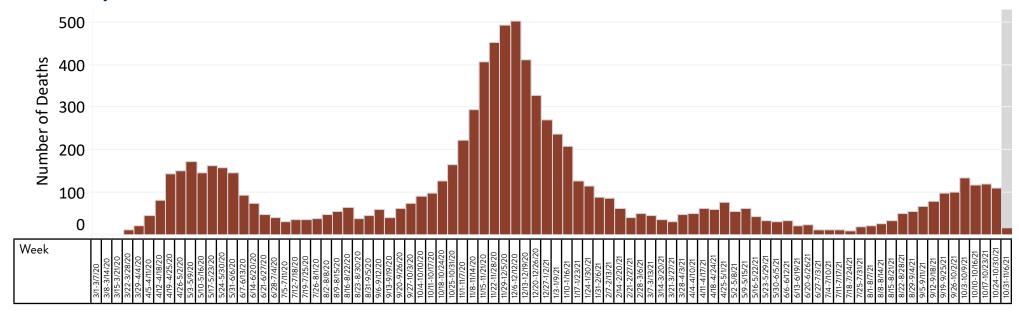


Tables of current data and more information about total deaths (also known as total deaths with laboratory testing) and non-laboratory-confirmed deaths: <u>Minnesota Situation Update for Coronavirus Disease</u> 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

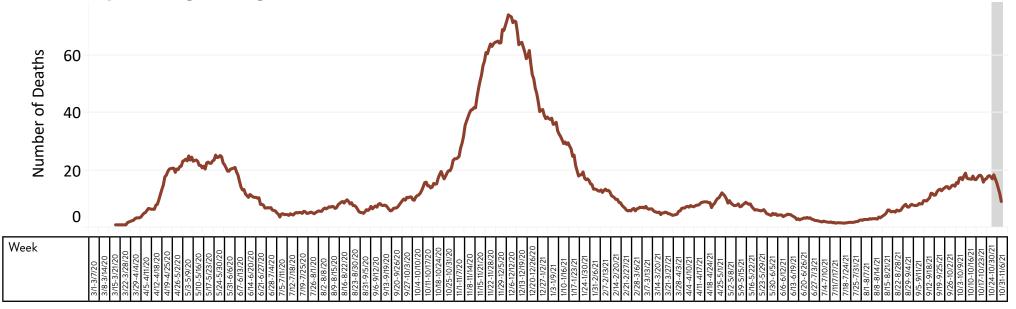
Deaths by Week, 7-Day Average

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

Deaths by Week of Death

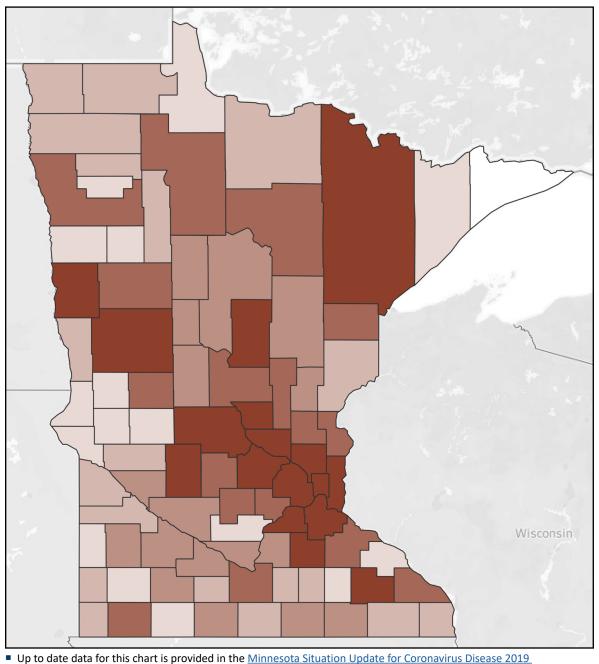


Seven Day Moving Average of Deaths



Deaths by County of Residence

Cumulative number of deaths by county of residence.



(COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

Total Deaths (cumulative) Deaths County Deaths Aitkin 46 Martin 41 531 75 Anoka McLeod Becker 68 Meeker 54 Beltrami 84 Mille Lacs 68 Benton 115 Morrison 71 45 Big Stone 5 Mower Blue Earth 63 Murray 11 Brown 51 Nicollet 57 Carlton 68 Nobles 52 Carver 59 Norman 9 47 Olmsted 121 Cass Chippewa 40 Otter Tail 110 Chisago 65 Pennington 27 99 Pine 35 Clay Clearwater 18 Pipestone 27 Cook 0 Polk 81 29 Pope 10 Cottonwood 115 Ramsey 1,000 Crow Wing Red Lake Dakota 546 10 Dodge 10 Redwood 44 94 Renville 51 Douglas 133 31 Faribault Rice 14 Rock 22 Fillmore 29 Freeborn 42 Roseau 88 163 Goodhue Scott Sherburne 117 Grant 9 13 1,958 Sibley Hennepin 17 370 Houston St. Louis 46 259 Hubbard Stearns 28 75 Steele lsanti 90 11 ltasca Stevens 15 Swift 19 Jackson 30 38 Kanabec Todd 101 Kandiyohi Traverse 5 22 Kittson Wabasha 8 20 Wadena 31 Koochiching 25 31 Waseca Lac qui Parle 341 Lake 23 Washington 15 Lake of the Woods 4 Watonwan Le Sueur 33 Wilkin 15 Winona 55 Lincoln 5 180 56 Wright Lyon Mahnomen 12 21 Yellow Medicine Marshall 21 Unknown/missing 0

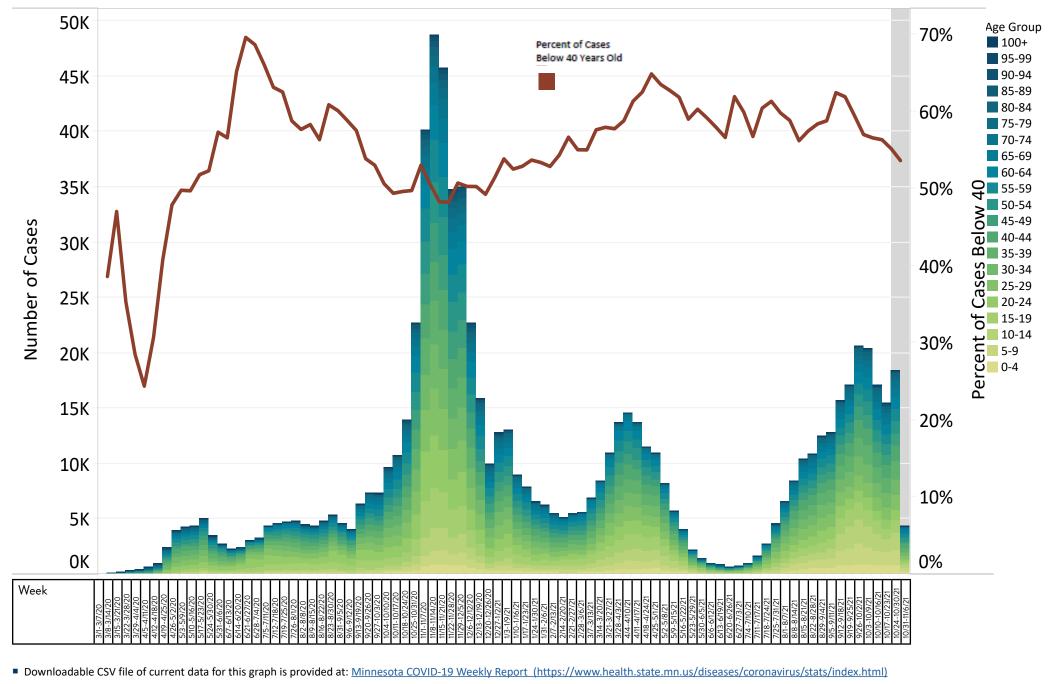
8,793

Dem	00	ra	nt		C •	Δ	10							Г					Me	dian /	Age (F	Range) in Ye	ars
Dem	Demographics: Age										All Cases			37 (<1 month - 110)										
Age groups, median age, and range for cases.									Non-Hospitalized Cases				35 (<1 month - 110)											
001/		0 /		,										Γ	Hospitalizations				63 ((<1 mor	nth - 10)5)		
															ICU H	ospita	lizatior	ns	63 ((<1 mor	nth - 10)5)		
														Ī	Death	5			82 ((<1 - 10	9)			
	16% 14%						Pi	oporti oporti	on of I	Hospita CU Adi	alizatio													
	12%						Pi	roport	on of I	Deaths						1								
of Cases	10%													I	ł	I								
Percent of Cases	8%														h			I						
	6%													llı										
	4%																							
	2% 0%																							
Age Group (in years)		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100+	Unk./ ^{missing}	Total
All Cases		23,349	34,831				69,482	68,016	66,154	60,935			53,469	45,567	30,903	22,833		11,865	8,612	5,453	2,073	393	44	811,654
Hospitalizations		385 85	151 37		675 126			1,885 253	1,832 315	1,914 356		2,892 657	3,545 806	4,091 1,042	3,951 1,002	4,159 973	3,711 816	3,286 593	2,536 363	1,370 162	434 45	40	2	41,931 8,458
ICU Hospitaliza Deaths	itions	00	3/		120	7	177	253	45	350 59				485	638	973 900		593 1,375	303 1,504	1,305	45 628	2 121	2	8,458

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

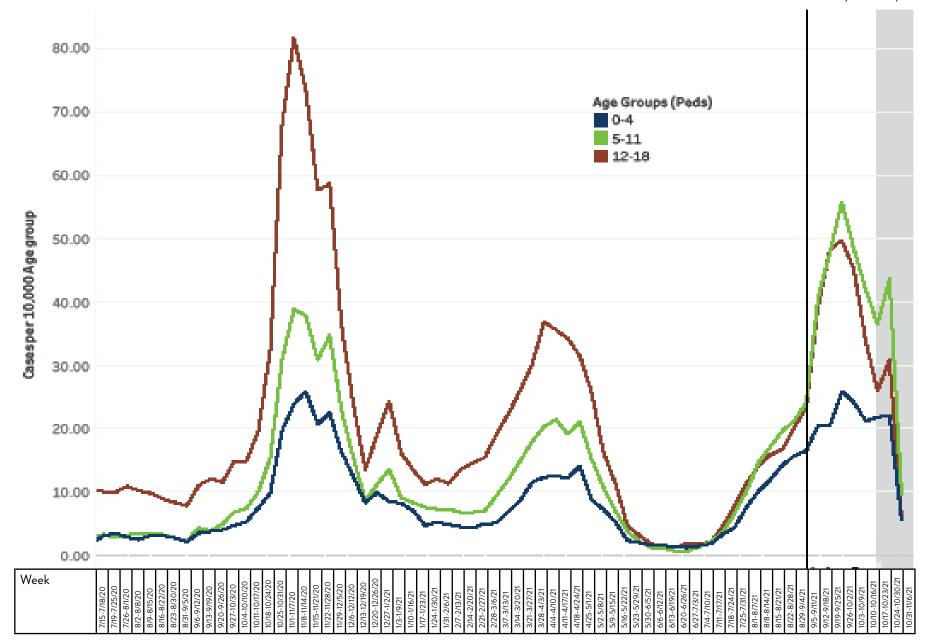


Minnesota Department of Health Weekly COVID-19 Report: Updated 11/4/2021 with data current as of 4 a.m. the previous day unless specifically noted in the graph.

Case Rate in Children by Specimen Collection Date

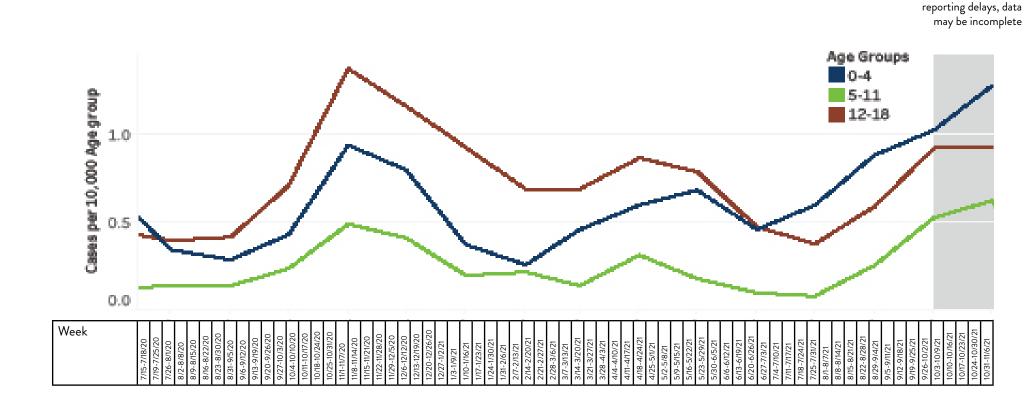
Cases by age group for children in Minnesota (cases 18 years of age and under) per 10,000 people by date of specimen collection.

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



Hospitalization Rate in Children by Specimen Collection Date

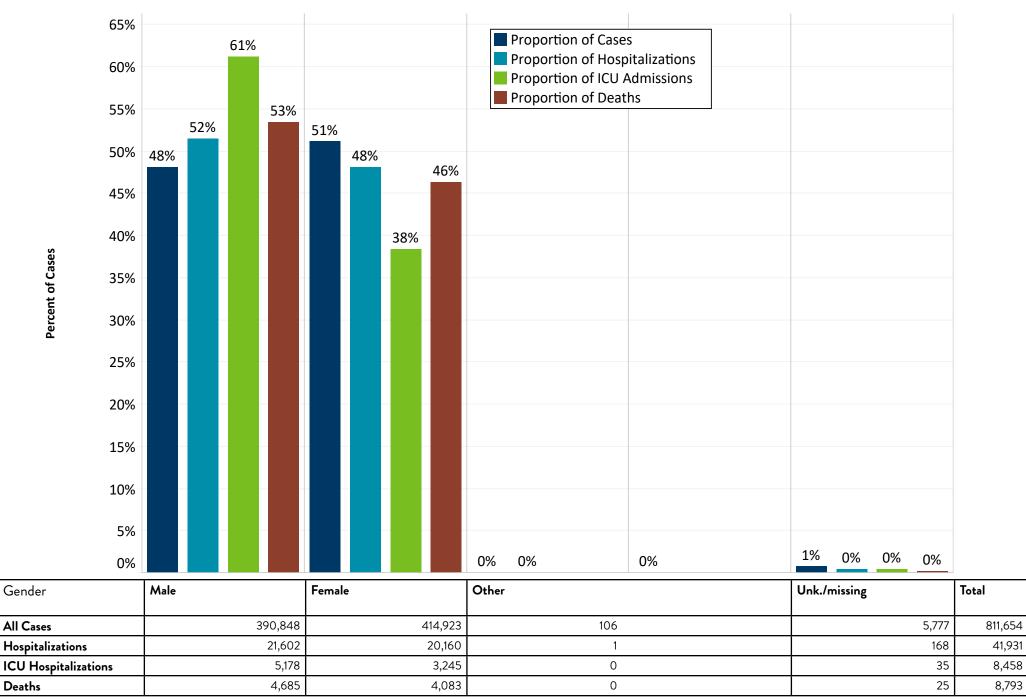
Hospitalizations by age group for children in Minnesota (cases 18 years of age and under) per 10,000 people by date of specimen collection.



Due to the need to confirm reports and

Demographics: Gender

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



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.

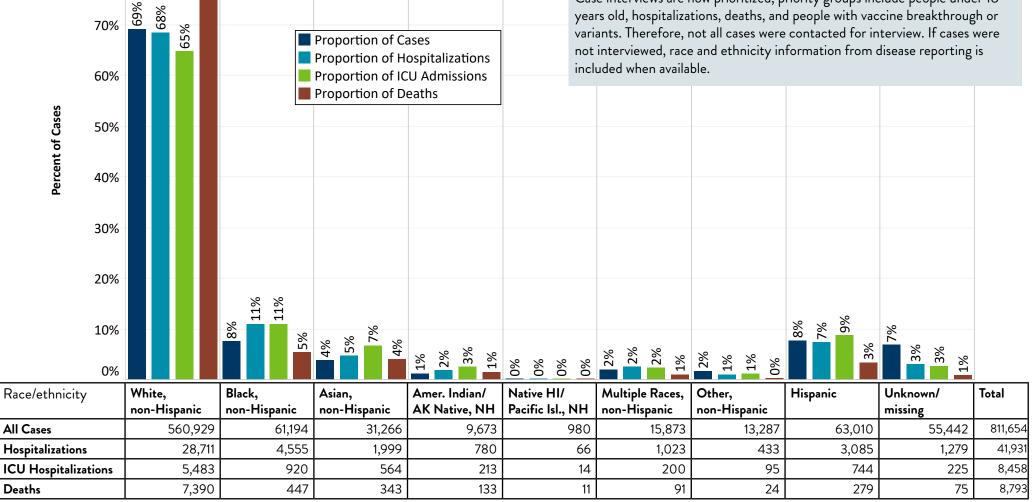
84%

90%

80%

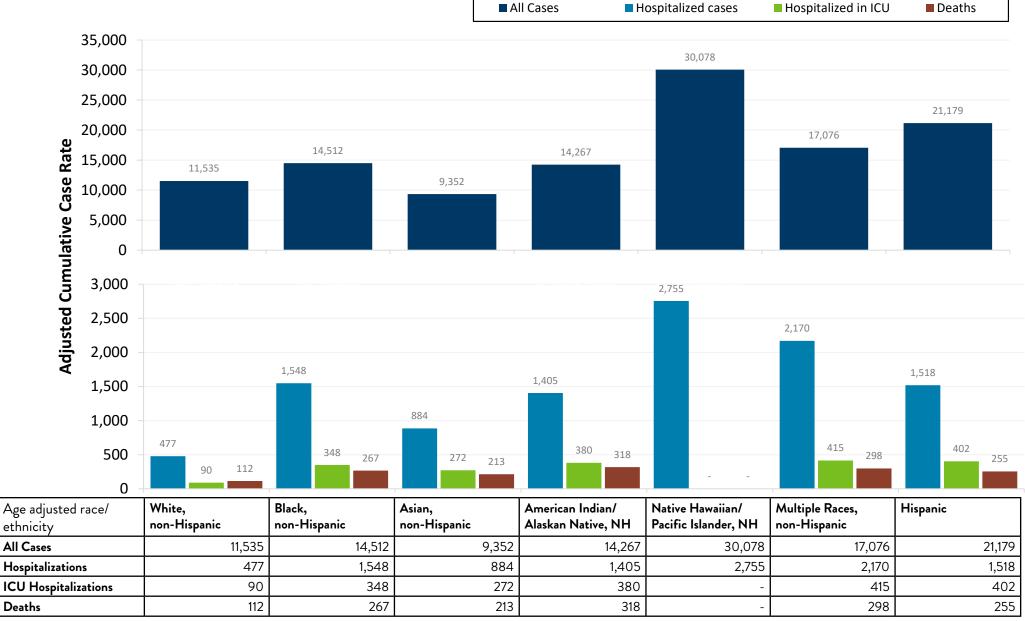
Race/Ethnicity	Minnesota Population (2018)	% of Population
White, non-Hispanic	4,438,071	80%
Black, non-Hispanic	336,505	6%
Asian, non-Hispanic	260,797	5%
American Indian/Alaska Native, non-Hispanic	53,168	1%
Native Hawaiian/Pacific Islander, non-Hispanic	1,799	<1%
Multiple Races, non-Hispanic	137,233	2%
Other, non-Hispanic	7,021	<1%
Hispanic	292,764	5%

Case interviews are now prioritized, priority groups include people under 18 years old, hospitalizations, deaths, and people with vaccine breakthrough or



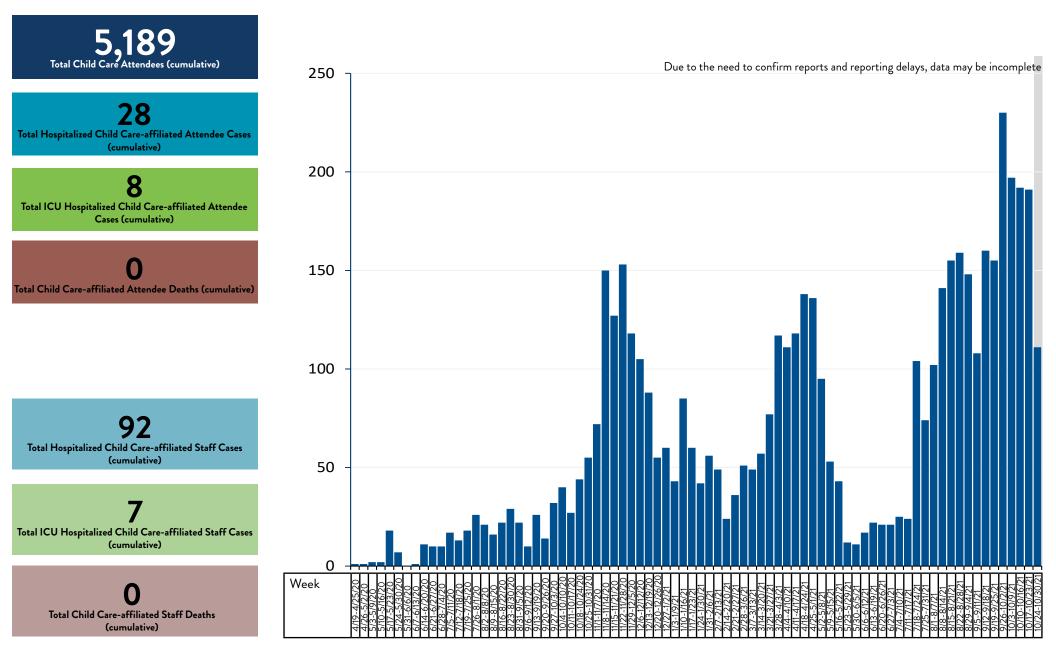
Age-Adjusted Race & Ethnicity Rates

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.



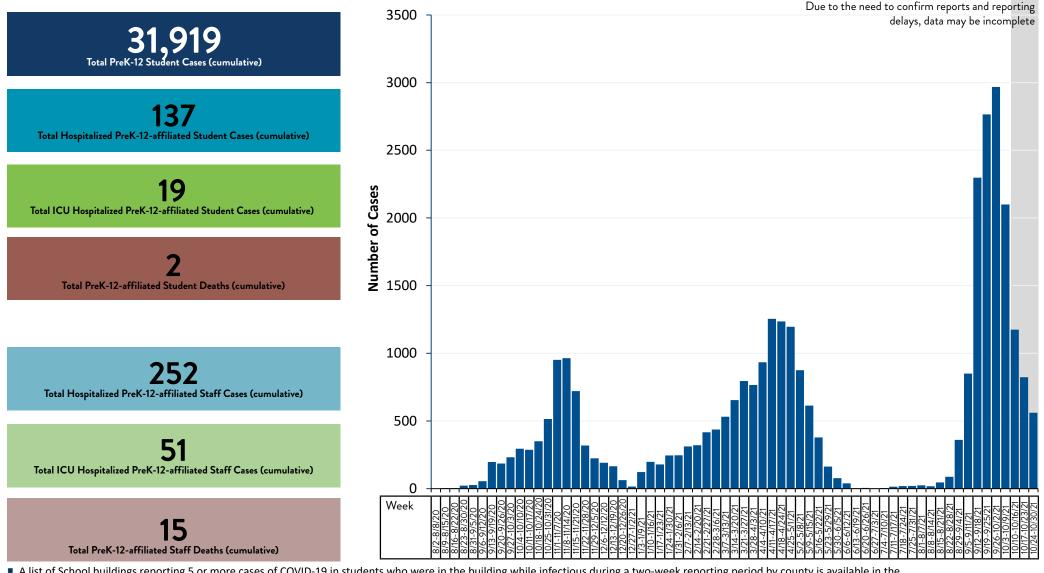
Potential Exposure in Child Care Settings

Cases of COVID-19 with potential exposure in child care settings by specimen collection date. Cases include children that attended a child care program and hospitalizations, ICU hospitalizations, and deaths of staff working while they were able to spread COVID-19. 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.



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.



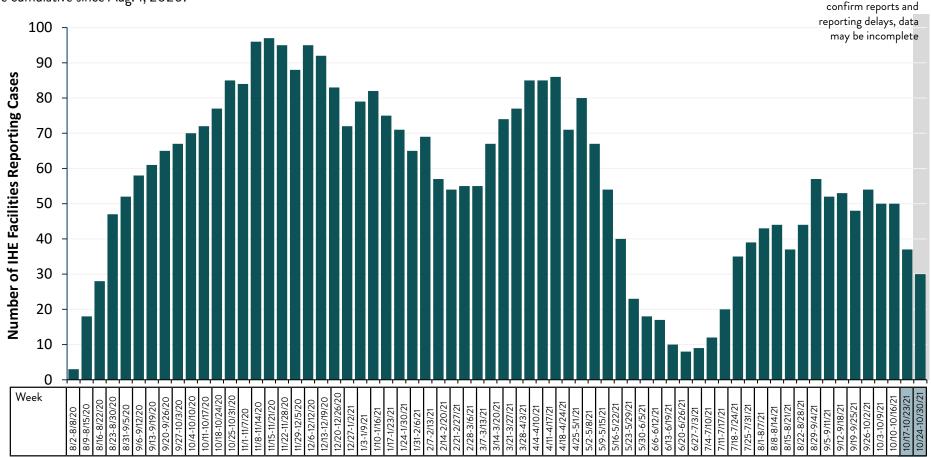
A list of School buildings reporting 5 or more cases of COVID-19 in students who were in the building while infectious during a two-week reporting period by county is available in the COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

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.



Due to the need to

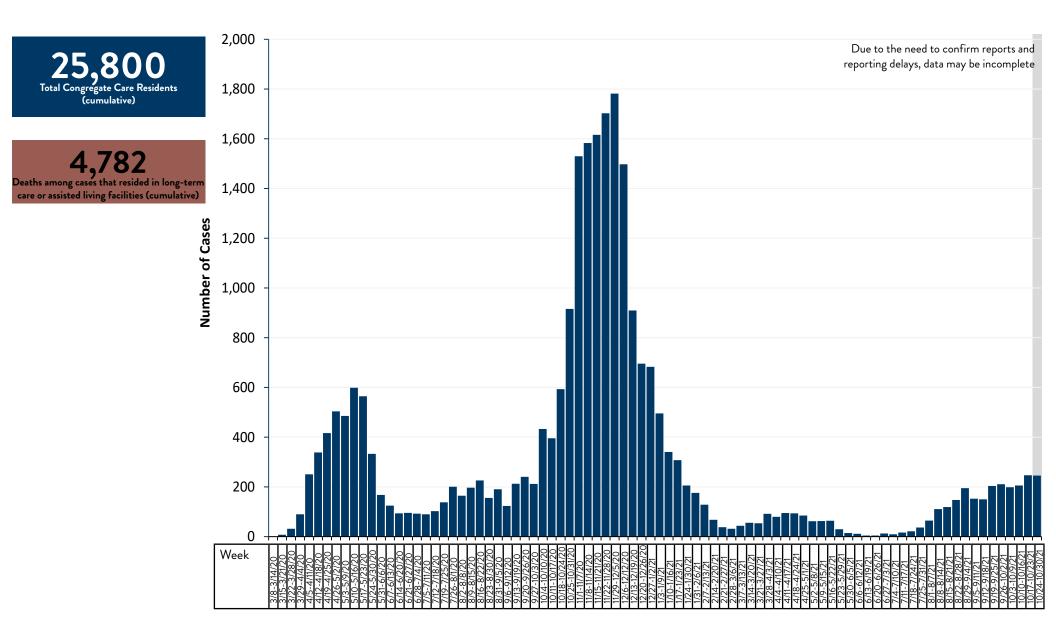


The IHE facility data will be changing in the coming weeks. This information is no longer collected for all cases.

Cases per IHE facility	Number of IHEs reporting cases 10/17-10/30/21
1-10 cases	40
11-30 cases	3
31-99 cases	0
≥100 cases	0
Total	43

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.

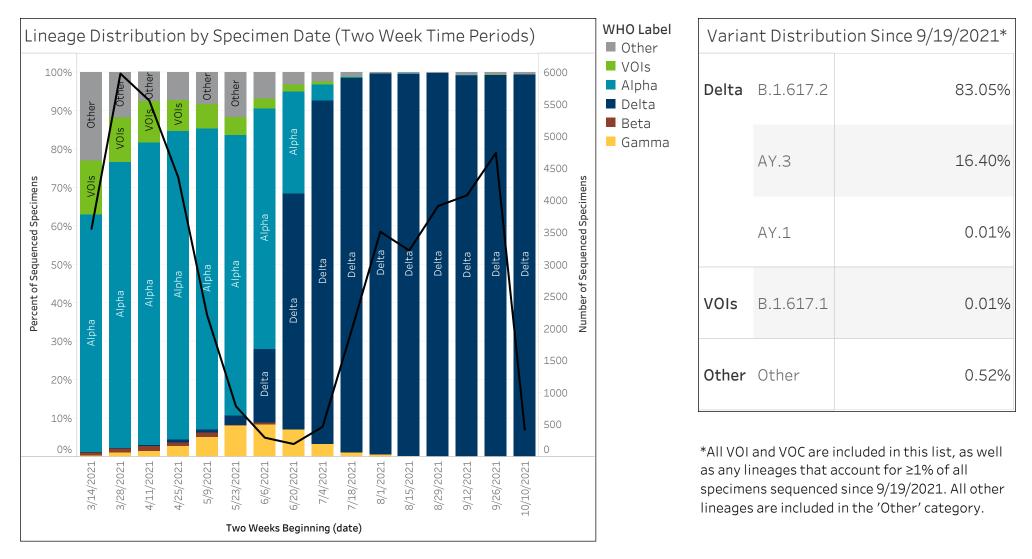


A list of congregate care facilities reporting an exposure in the last 28 days from a case in a resident, staff person, or visiting provider and a cumulative list of long-term care facilities reporting a case in a resident, staff person, or visiting service provider are available on: <u>Minnesota Situation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

SARS-CoV-2 Variants Circulating in Minnesota

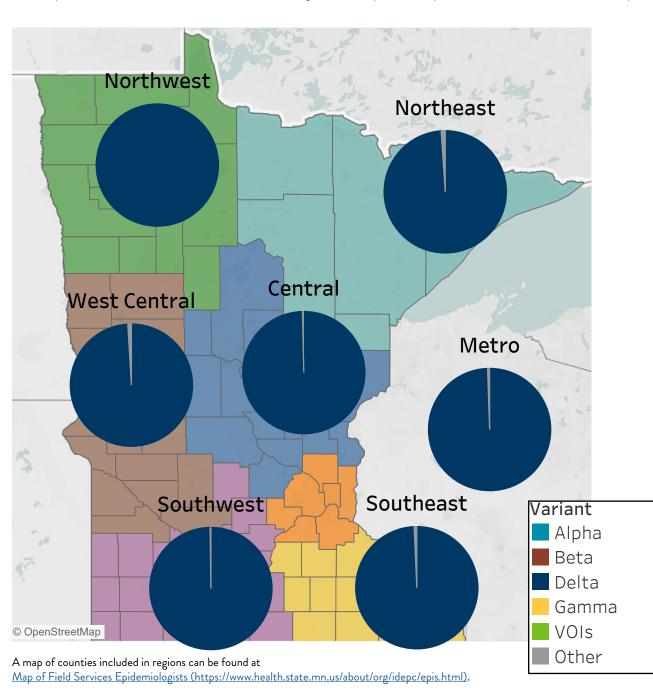
Lineage distribution of SARS-CoV-2 variants in Minnesota. The line indicates number of specimens sequenced, while the bars show proportions of each variant identified.

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



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.

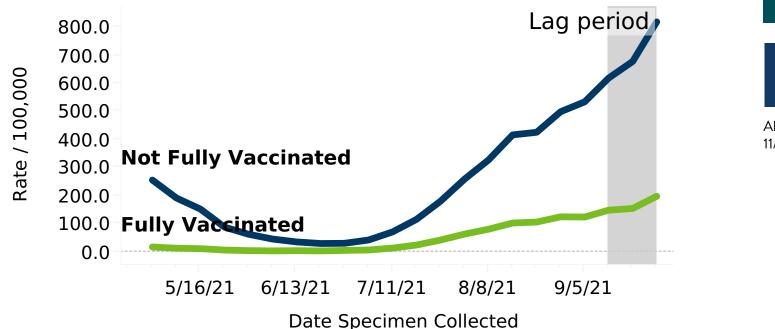


Region & Variant	Variant %	Region & Variant	Variant %
Northwest		Northeast	
Alpha	0.0%	Alpha	0.0%
Beta	0.0%	Beta	0.0%
Delta	100.0%	Delta	98.9%
Gamma	0.0%	Gamma	0.0%
Other	0.0%	Other	1.1%
VOIs	0.0%	VOIs	0.0%
West Central		Central	
Alpha	0.0%	Alpha	0.0%
Beta	0.0%	Beta	0.0%
Delta	99.1%	Delta	99.6%
Gamma	0.0%	Gamma	0.0%
Other	0.9%	Other	0.3%
VOIs	0.0%	VOIs	0.1%
Southwest		Southeast	
Alpha	0.0%	Alpha	0.0%
Beta	0.0%	Beta	0.0%
Delta	99.8%	Delta	99.3%
Gamma	0.0%	Gamma	0.0%
Other	0.2%	Other	0.7%
VOIs	0.0%	VOIs	0.0%
Metro			
Alpha	0.0%		
Beta	0.0%		
Delta	99.5%		
Gamma	0.0%		
Other	0.5%		
VOIs	0.0%		

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.



3,209,369 Total number of fully vaccinated Minnesotans age 12 and older (as of the week beginning 9/26)

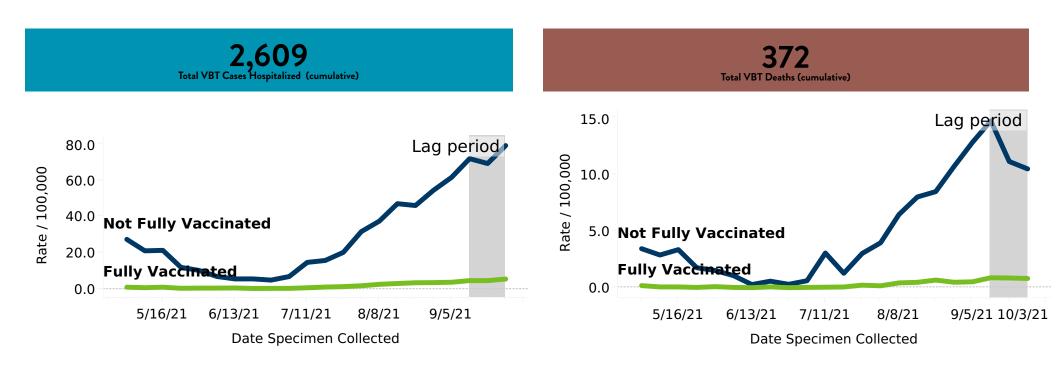


All VBT data in this report is as of 11/1/2021

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

VBT Hospitalizations and Deaths

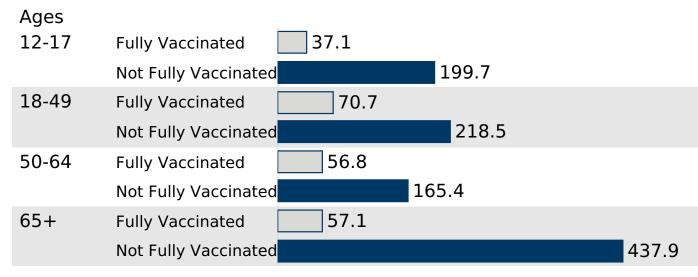
These graphs show the rate of hospitalization and death among vaccinated and unvaccinated COVID-19 cases since vaccine was widely available to the general adolescent and adult population in May 2021. Fully vaccinated is defined as 14 or more days after they have completed all recommended doses of a COVID-19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



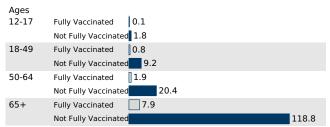
VBT Cases, Hospitalizations, and Deaths by Age Group

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.

Cases: Rate by age group per 100,000 Week starting: **5/2/2021** to **9/26/2021**



Hospitalizations: Rate by age group per 100,000 Week starting: 5/2/2021 to 9/26/2021

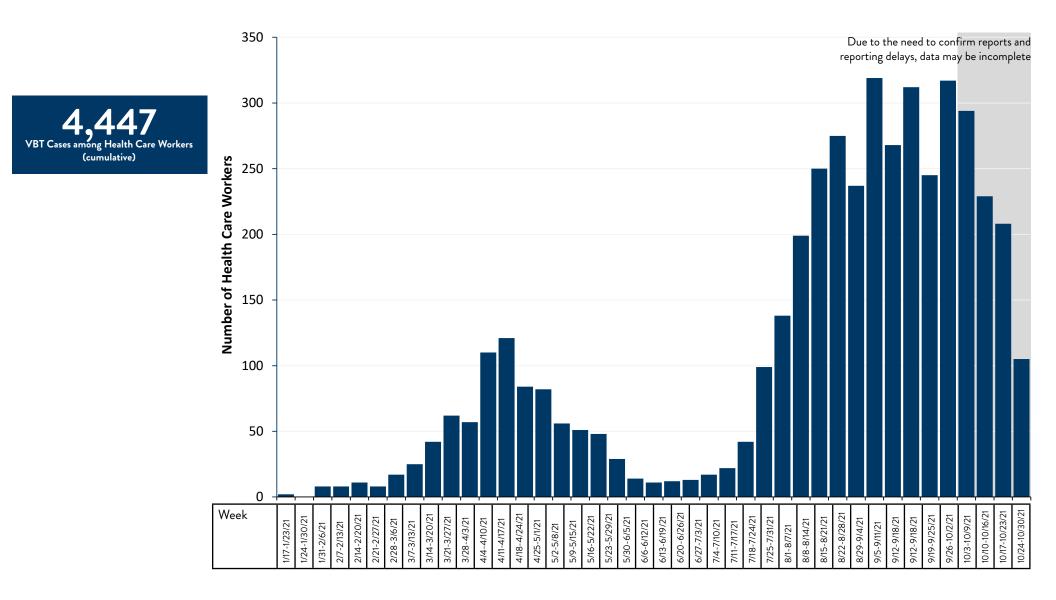


Deaths: Rate by age group per 100,000 Week starting: **5/2/2021** to **9/26/2021**

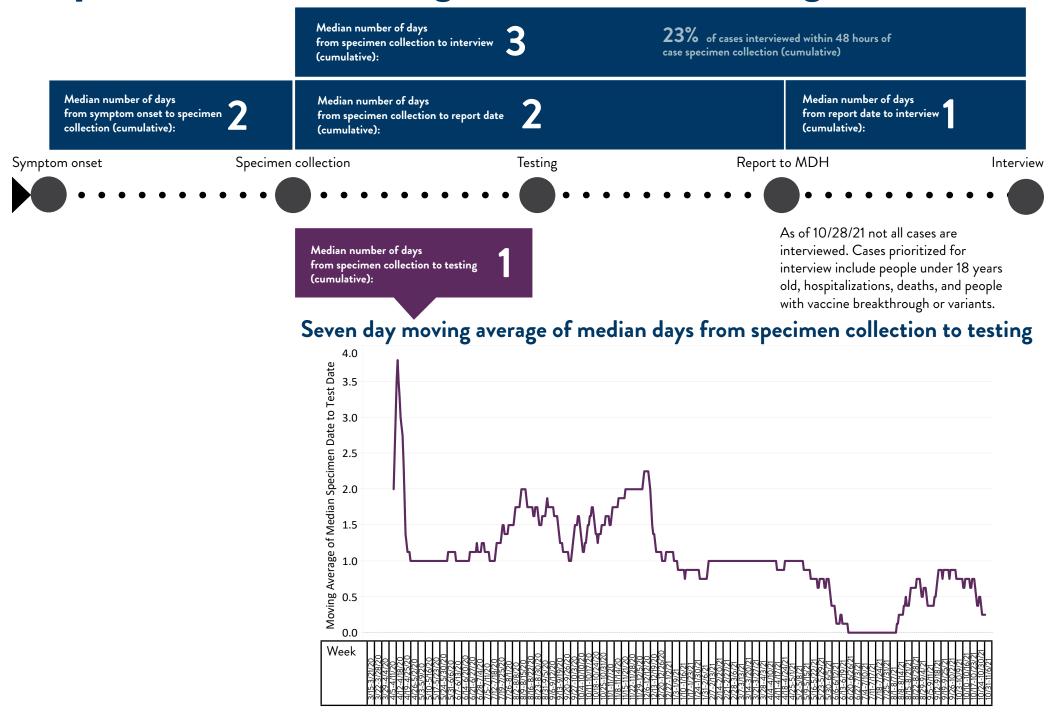
	Ages			
	12-17	Fully Vaccinated		
		Not Fully Vaccinated		
	18-49	Fully Vaccinated	0.0	
		Not Fully Vaccinated	0.2	
	50-64	Fully Vaccinated	0.2	
		Not Fully Vaccinated	1.8	
	65+	Fully Vaccinated	1.6	
		Not Fully Vaccinated		25.2

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.



Response Metrics: Testing and Interview Timing



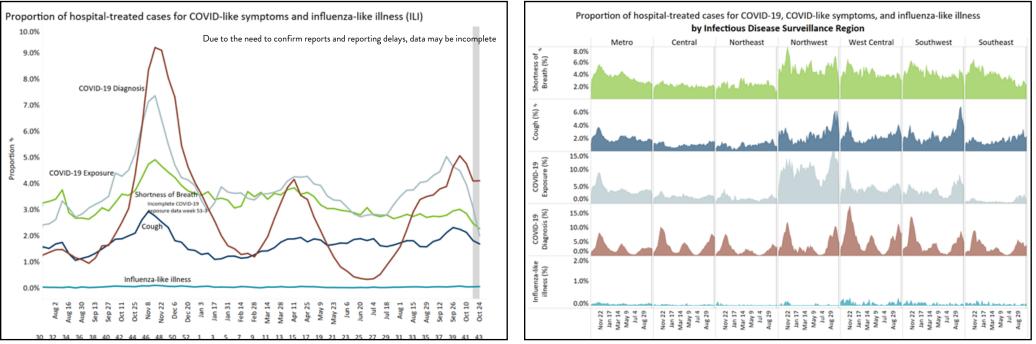
Syndromic Surveillance

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 October 30, 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.

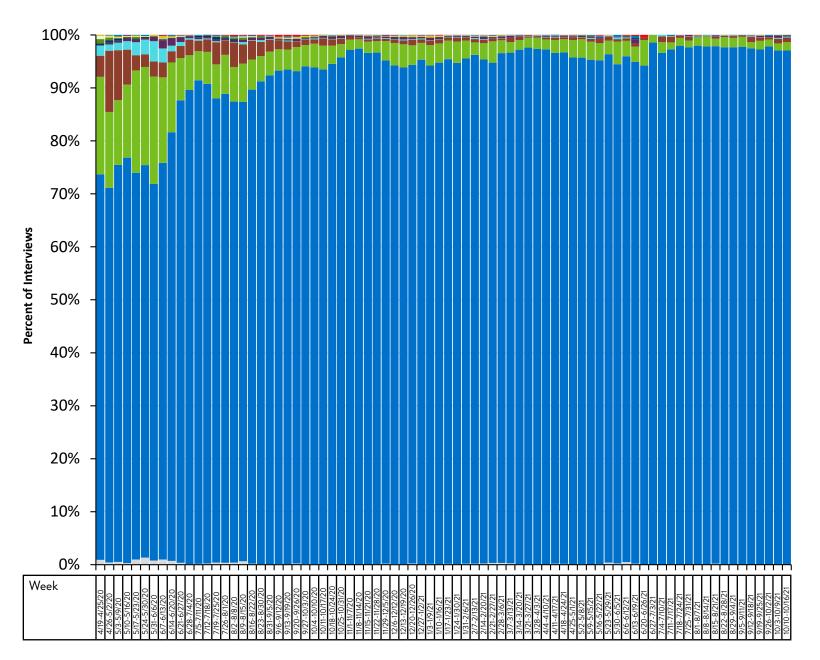
Through October 30, 2021, these data represent all patients from about 130 hospitals in Minnesota, covering approximately 88% of the hospital beds statewide. Efforts are underway to expand hospitals to more fully represent the state.



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)

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.

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.

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%		

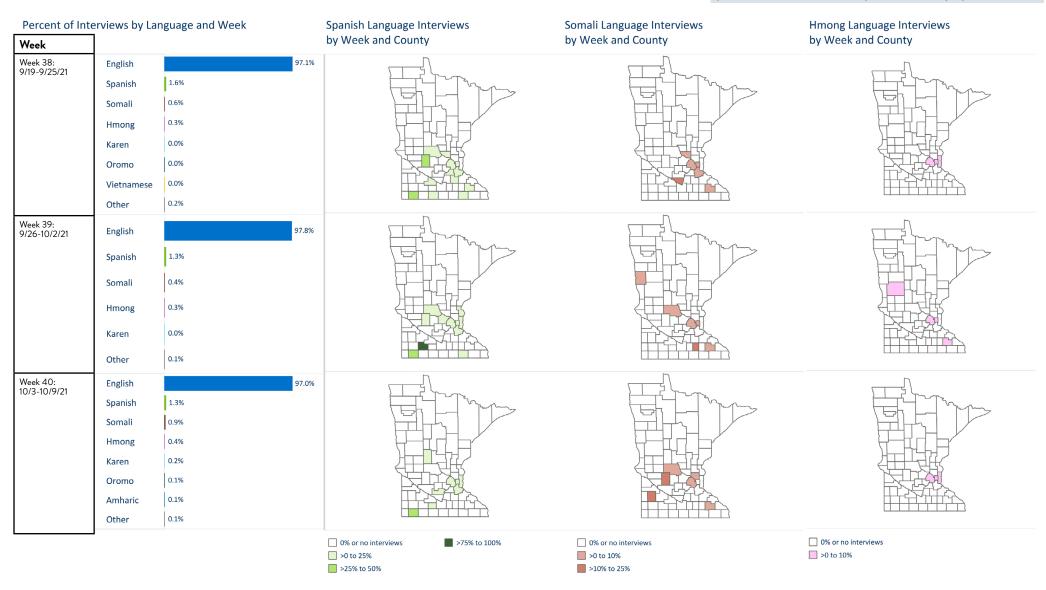
Minnesota Department of Health Weekly COVID-19 Report: Updated 10/21/2021 with data current as of 4 a.m. the previous day unless specifically noted in the graph. Page 41

Interview Language by County of Residence (Archived)

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

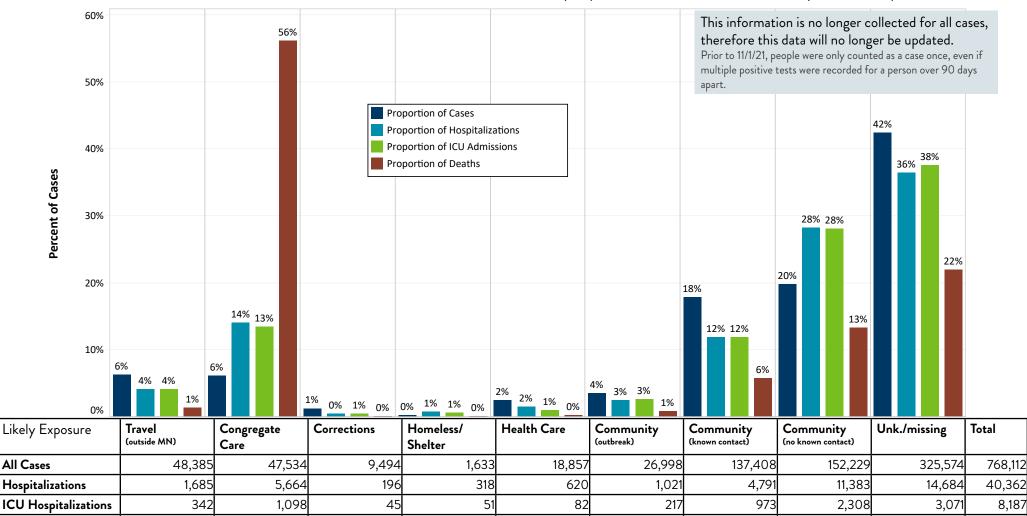
This information is no longer collected for all cases, therefore this data will no longer be updated.

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.



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.

25

69

467

1.095

8,515

1.812

15

Travel: Case traveled outside of Minnesota in the 2 weeks before illness.

Deaths

117

4.901

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.

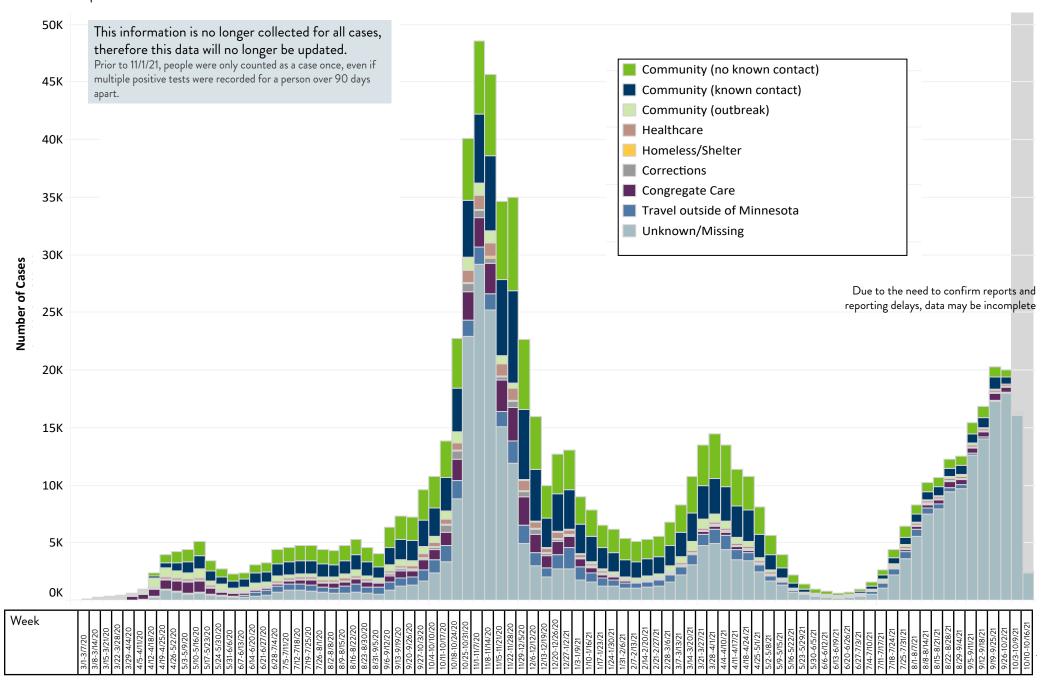
- Corrections: Inmates who were exposed while incarcerated, and staff of a jail/prison setting who are not part of a non-corrections outbreak and did not have an exposure to a positive household member.
- Homeless/Shelter: Residents/guests, and staff who are not part of a non-shelter outbreak and did not have an exposure to a positive household member.

14

- 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.

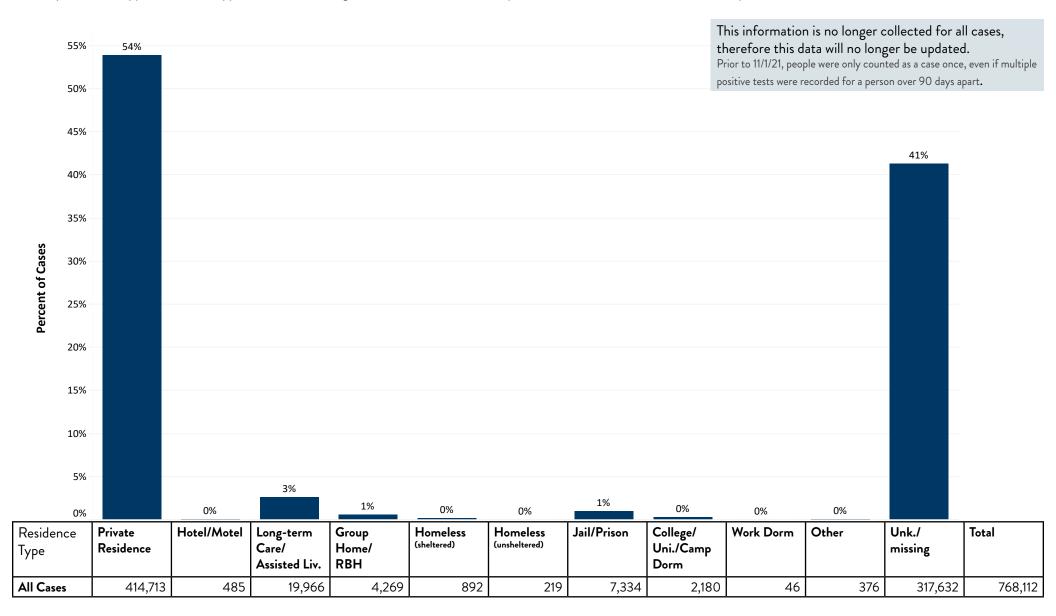
Cases by Likely Exposure and Specimen Collection Date (Archived)

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.



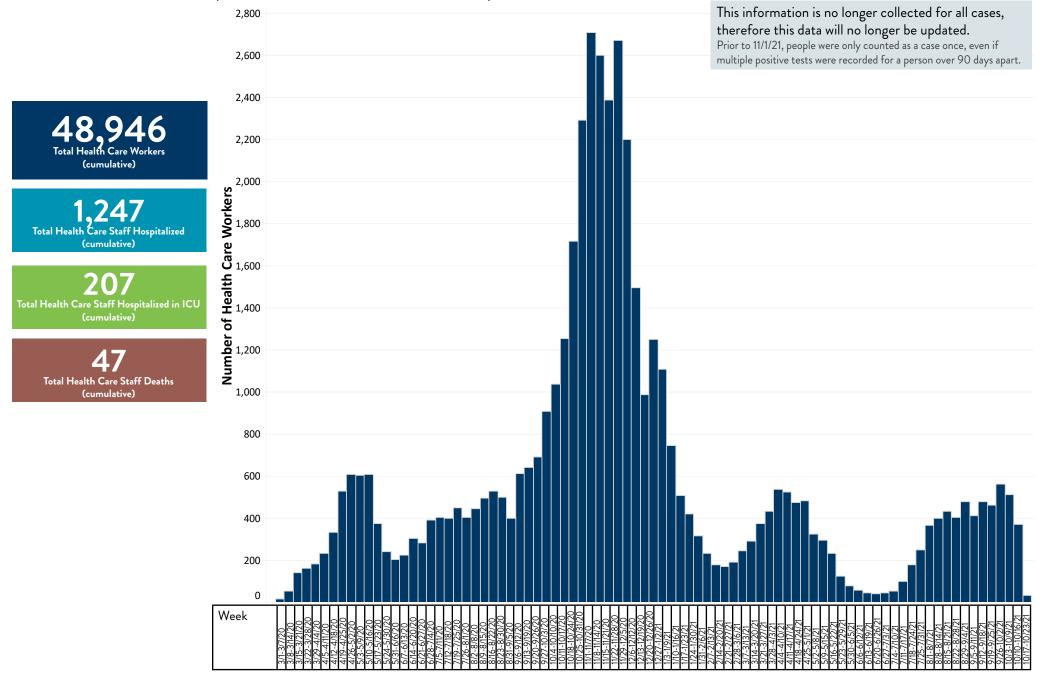
Residence Type (Archived)

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



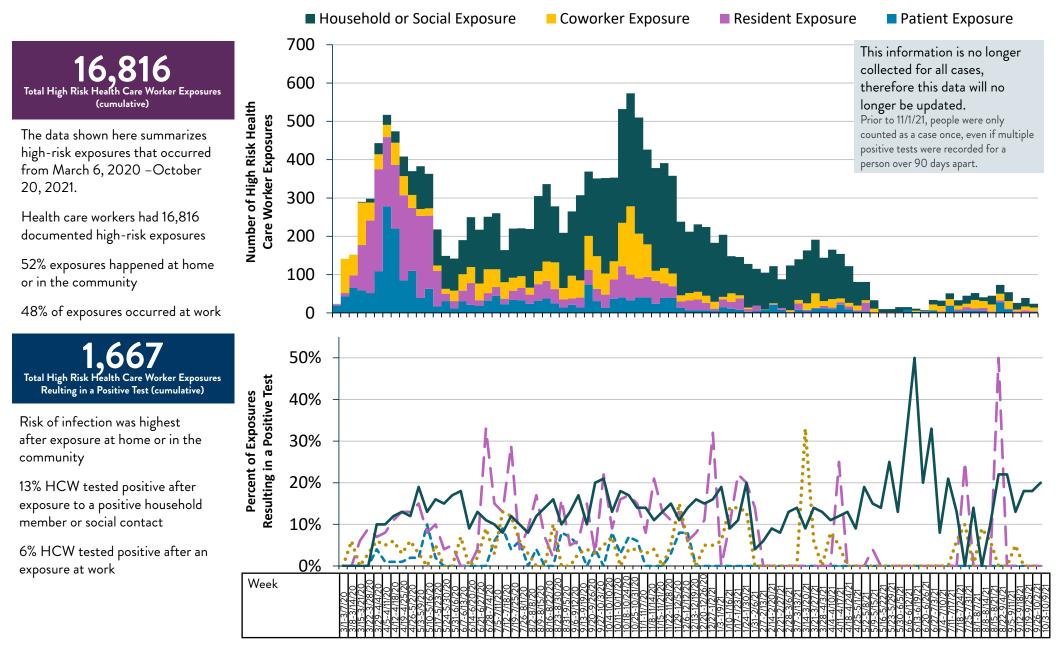
Cases among Health Care Workers (Archived)

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.



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.

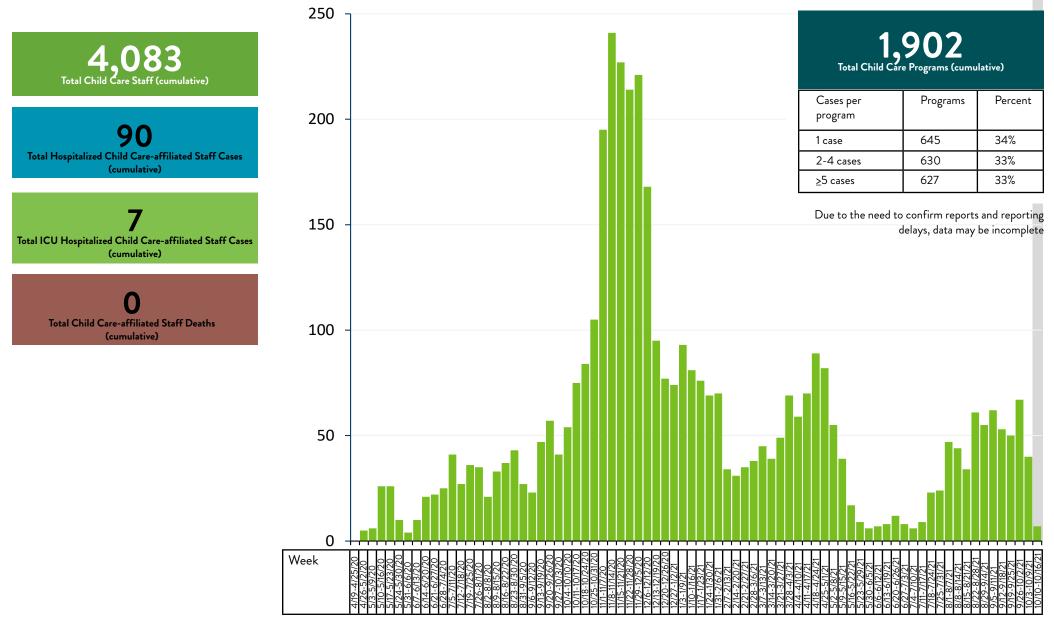


Staff with Potential Exposure in Child Care Settings (Archived)

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

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

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

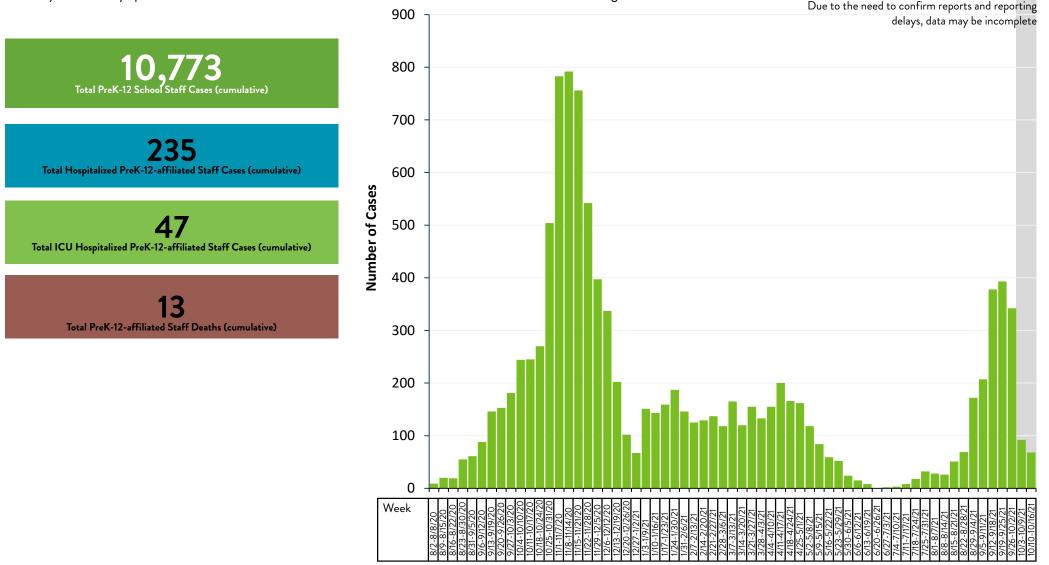


Staff Cases Associated with Pre-K through Grade 12 School Buildings (Archived)

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

This information is no longer collected for staff in Pre-K through Grade 12 Schools. Prior to 11/1/21, people were only counted as a case once, even if multiple positive tests were recorded for a person over 90 days apart.

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

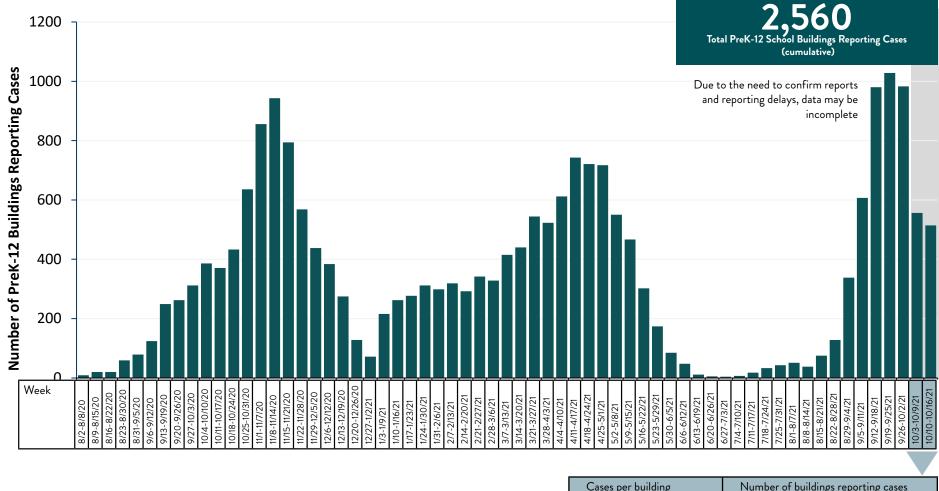


PreK-12 School Buildings Reporting Cases (Archived)

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.

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



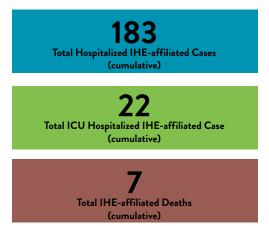
Cases per building	Number of buildings reporting cases 10/3-10/16/21			
1 case	405			
2-4 cases	324			
≥5 cases	99			
Total	828			

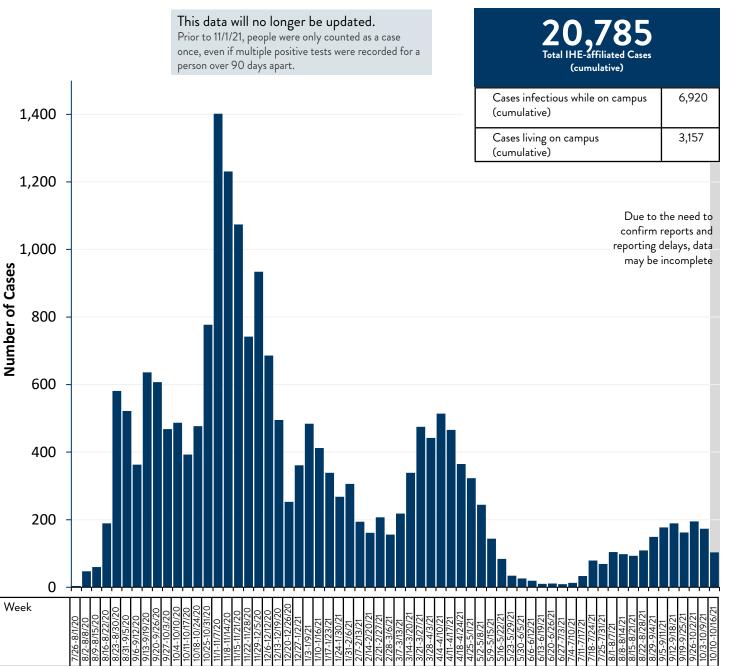
A list of School buildings reporting 5 or more cases of COVID-19 in students who were in the building while infectious during a two-week reporting period by county is available in the <u>Minnesota Situation Update for Coronavirus Disease 2019 (https://www.health.state.mn.us/diseases/coronavirus/situation.html)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

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.



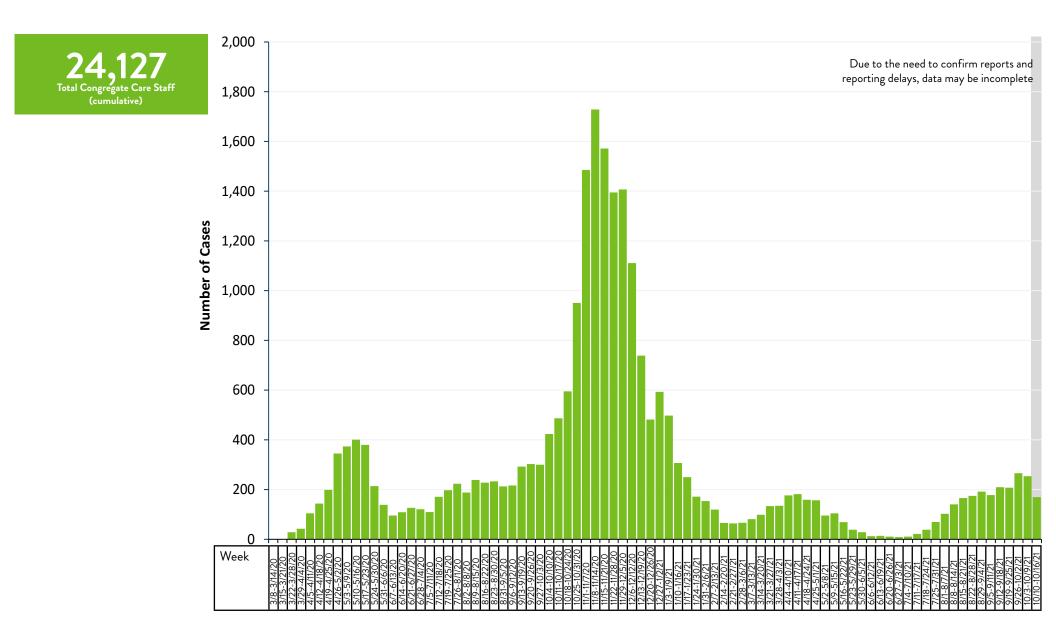


Staff Cases Associated with Congregate Care Settings (Archived)

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

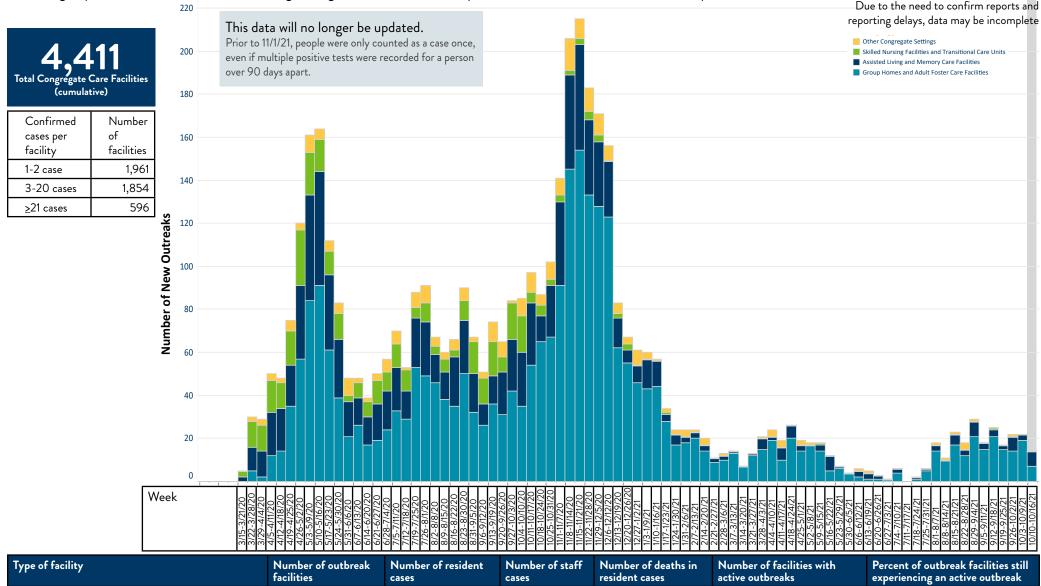
This information is no longer collected for staff in Congregate Care Settings.

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.



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.



	facilities	cases	cases	resident cases	active outbreaks	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: <u>COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)</u>