### Minnesota Department of Health

# WEEKLY COVID-19 REPORT 11/18/2021

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)

#### Contents

About Minnesota COVID-19 Data2
COVID-19 Overview Summary3
Laboratory Tests for COVID-19
Positive COVID-19 Cases
Cases by County of Residence
Hospitalizations, ICU Hospitalizations
COVID-19 Deaths
Demographics: Age22 Cases by Age Group and Specimen Collection Date23 Case Rate in Children by Specimen Collection Date24 Hospitalization Rate in Children by Specimen Collection .25
Demographics: Gender26
Demographics: Race & Ethnicity27 Age-Adjusted Race & Ethnicity Rates

Potential Exposure in Child Care Settings
Student Cases Associated with PK-12 School Buildings30
Minnesota IHE Facilities Reporting Cases
Resident Cases Associated with Congregate Care Settings32
SARS-CoV-2 Variants Circulating in Minnesota
Vaccine Breakthrough (VBT) Cases
Response Metrics: Testing and Interview Timing
Syndromic Surveillance40
Archived:

Demographics: Interview Language
Interview Language by County of Residence
Likely Exposure
Likely Exposure and Specimen Collection Date
Residence Type
Cases among Health Care Workers
High Risk Exposures in Health Care Workers47
Staff with Potential Exposure in Child Care Settings 48
Staff Cases Associated with PK-12 Schools
PreK-12 School Buildings Reporting Cases
Cases that have an Affiliation with IHE
Staff Cases Associated with Congregate Care Settings 52
Congregate Care Facility Outbreaks

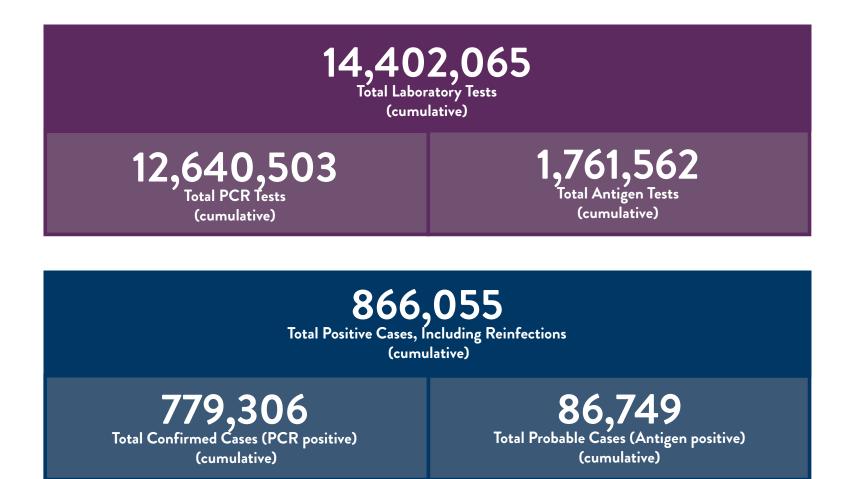
#### About Minnesota COVID-19 Data

- 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**

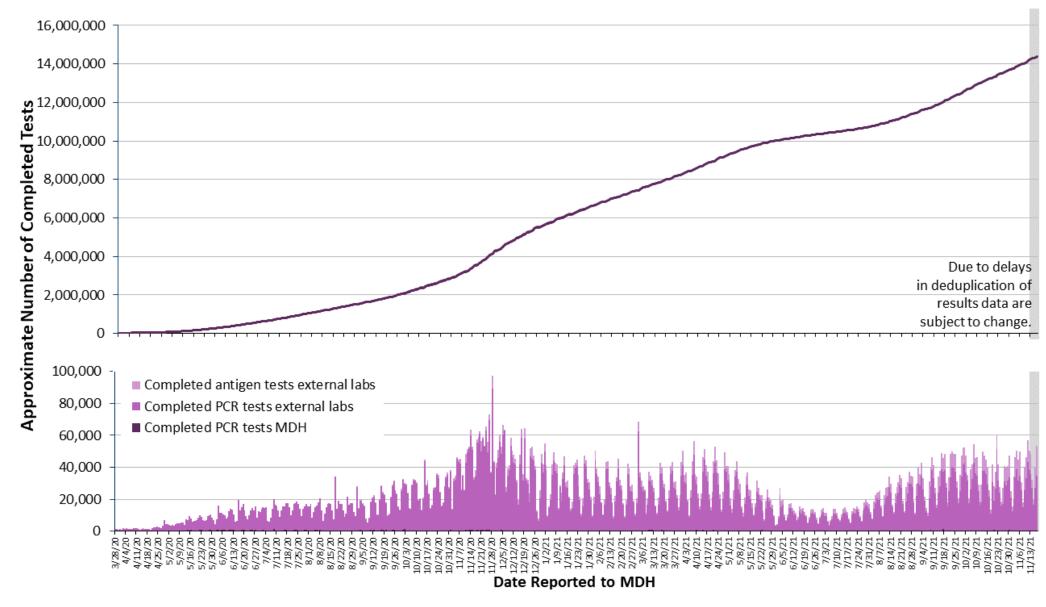


44,033 Total Hospitalizations (cumulative) 8,814 Total ICU Hospitalizations (cumulative) 9,125 Total Deaths (cumulative) 822,882 Total No Longer Needing Isolation (cumulative)

### Laboratory Tests for COVID-19



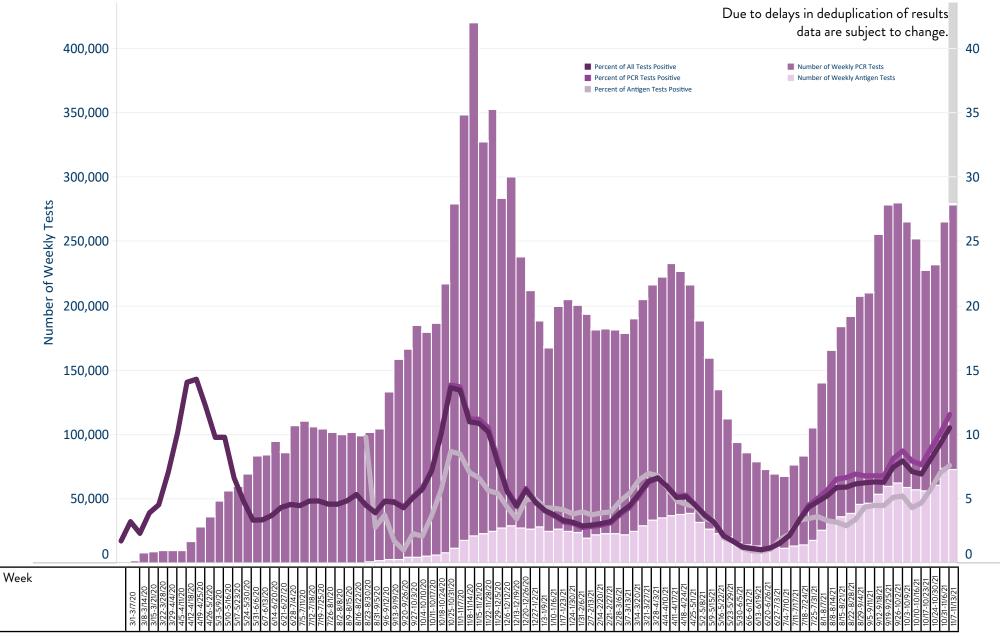
Testing numbers show how many total tests have been done for cases who live in Minnesota. Some people get tested more than once. Tests are reported per test to account for changes in testing capacity and for individuals who are tested more than once over the course of the pandemic. Tests are reported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

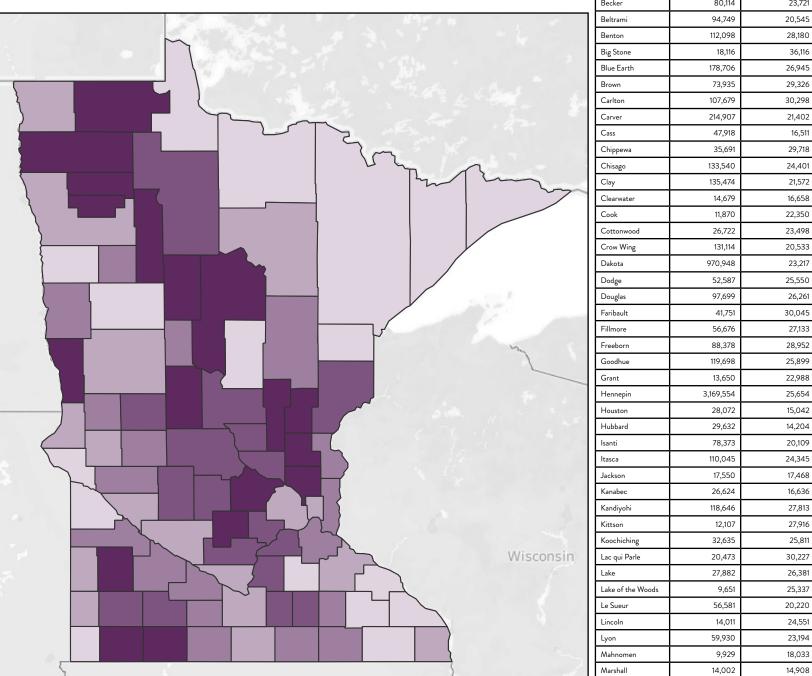
Number of tests and percentage positive by date of laboratory testing. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations. Percent positive is the percent of positive tests from the total number of tests.



### Laboratory Test Rates by County of Residence

**25,464** tests per 10,000 people state<u>wide</u>

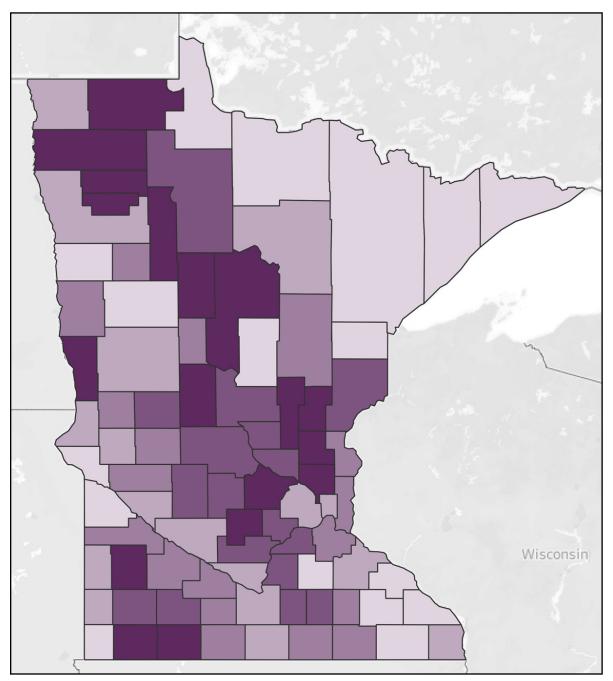
Cumulative rate of tests by county of residence per 10,000 people. Only tests reported by laboratories reporting both positive and negative results are included.



	County	Number of Tests	Cumulative Rate	County	Number of Tests	Cumulative Rate
	Aitkin	30,022	18,960	Martin	52,434	26,264
	Anoka	765,390	22,030	McLeod	86,420	24,123
	Becker	80,114	23,721	Meeker	53,315	23,101
1	Beltrami	94,749	20,545	Mille Lacs	64,137	24,929
	Benton	112,098	28,180	Morrison	83,990	25,491
	Big Stone	18,116	36,116	Mower	104,340	26,347
	Blue Earth	178,706	26,945	Murray	19,143	22,918
	Brown	73,935	29,326	Nicollet	86,292	25,543
	Carlton	107,679	30,298	Nobles	40,274	18,441
	Carver	214,907	21,402	Norman	19,818	30,215
	Cass	47,918	16,511	Olmsted	381,040	24,894
	Chippewa	35,691	29,718	Otter Tail	154,121	26,576
	Chisago	133,540	24,401	Pennington	21,669	15,277
	Clay	135,474	21,572	Pine	54,367	18,664
	Clearwater	14,679	16,658	Pipestone	23,904	26,025
	Cook	11,870	22,350	Polk	66,108	20,926
	Cottonwood	26,722	23,498	Pope	28,866	26,290
	Crow Wing	131,114	20,533	Ramsey	1,352,296	24,973
	Dakota	970,948	23,217	Red Lake	5,936	14,810
	Dodge	52,587	25,550	Redwood	38,495	25,109
	Douglas	97,699	26,261	Renville	41,434	28,146
	Faribault	41,751	30,045	Rice	243,115	36,967
	Fillmore	56,676	27,133	Rock	27,176	28,871
	Freeborn	88,378	28,952	Roseau	33,384	21,591
	Goodhue	119,698	25,899	Scott	315,087	21,977
	Grant	13,650	22,988	Sherburne	249,592	26,771
	Hennepin	3,169,554	25,654	Sibley	32,311	21,668
	Houston	28,072	15,042	St. Louis	520,986	26,039
	Hubbard	29,632	14,204	Stearns	395,924	25,247
	Isanti	78,373	20,109	Steele	90,657	24,718
	ltasca	110,045	24,345	Stevens	26,420	27,003
	Jackson	17,550	17,468	Swift	24,780	26,331
	Kanabec	26,624	16,636	Todd	45,254	18,516
	Kandiyohi	118,646	27,813	Traverse	9,197	27,561
	Kittson	12,107	27,916	Wabasha	62,701	29,163
	Koochiching	32,635	25,811	Wadena	46,303	33,932
	Lac qui Parle	20,473	30,227	Waseca	46,012	24,463
	Lake	27,882	26,381	Washington	629,663	24,857
	Lake of the Woods	9,651	25,337	Watonwan	26,498	24,148
	Le Sueur	56,581	20,220	Wilkin	11,394	17,963
	Lincoln	14,011	24,551	Winona	140,446	27,621
	Lyon	59,930	23,194	Wright	273,133	20,576
$\ $	, Mahnomen	9,929	18,033	Yellow Medicine	25,531	25,873
	Marshall	14,002	14,908	Unknown/missing	531,258	

### 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.

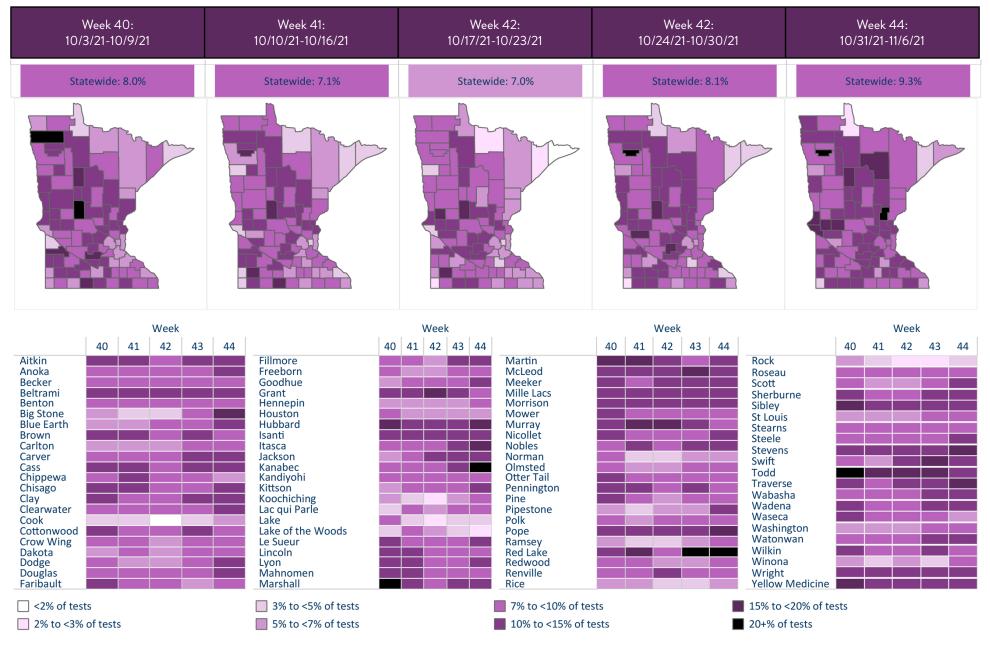


			<b>3%</b> vide (cumulative)
County	% Positive	County	% Positive
Aitkin	6.7%	Martin	6.8%
Anoka	8.0%	McLeod	7.9%
Becker	5.5%	Meeker	7.6%
Beltrami	7.8%	Mille Lacs	8.0%
Benton	7.4%	Morrison	7.4%
Big Stone	4.6%	Mower	6.7%
Blue Earth	6.0%	Murray	7.7%
Brown	6.3%	Nicollet	5.8%
Carlton	4.4%	Nobles	12.4%
Carver	7.1%	Norman	4.2%
Cass	7.9%	Olmsted	5.4%
Chippewa	5.8%	Otter Tail	5.6%
Chisago	7.0%	Pennington	8.8%
Clay	6.5%	Pine	7.9%
Clearwater	9.2%	Pipestone	5.9%
Cook	2.6%	Polk	5.8%
Cottonwood	7.8%	Pope	6.2%
Crow Wing	5.5%	Ramsey	5.6%
Dakota	6.9%	, Red Lake	9.5%
Dodge	6.1%	Redwood	6.8%
Douglas	7.4%	Renville	6.1%
Faribault	5.9%	Rice	4.5%
Fillmore	5.0%	Rock	5.5%
Freeborn	6.2%	Roseau	8.9%
Goodhue	6.1%	Scott	7.5%
Grant	6.6%	Sherburne	7.7%
Hennepin	5.7%	Sibley	7.3%
Houston	6.1%	St. Louis	4.9%
Hubbard	8.1%	Stearns	7.8%
Isanti	8.2%	Steele	7.2%
ltasca	6.0%	Stevens	5.6%
Jackson	8.6%	Swift	6.7%
Kanabec	8.7%	Todd	9.3%
Kandiyohi	7.9%	Traverse	5.8%
Kittson	5.6%	Wabasha	5.6%
Koochiching	4.7%	Wadena	6.7%
Lac qui Parle	5.2%	Waseca	7.8%
Lake	4.6%	Washington	6.4%
Lake of the Woods	5.3%	Watonwan	6.8%
Le Sueur	7.2%	Wilkin	8.1%
Lincoln	5.7%	Winona	4.7%
Lyon	8.5%	Wright	8.5%
Mahnomen	6.5%	Yellow Medicine	6.4%
	10.0%	Unknown/missing	3.4%

6 3%

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

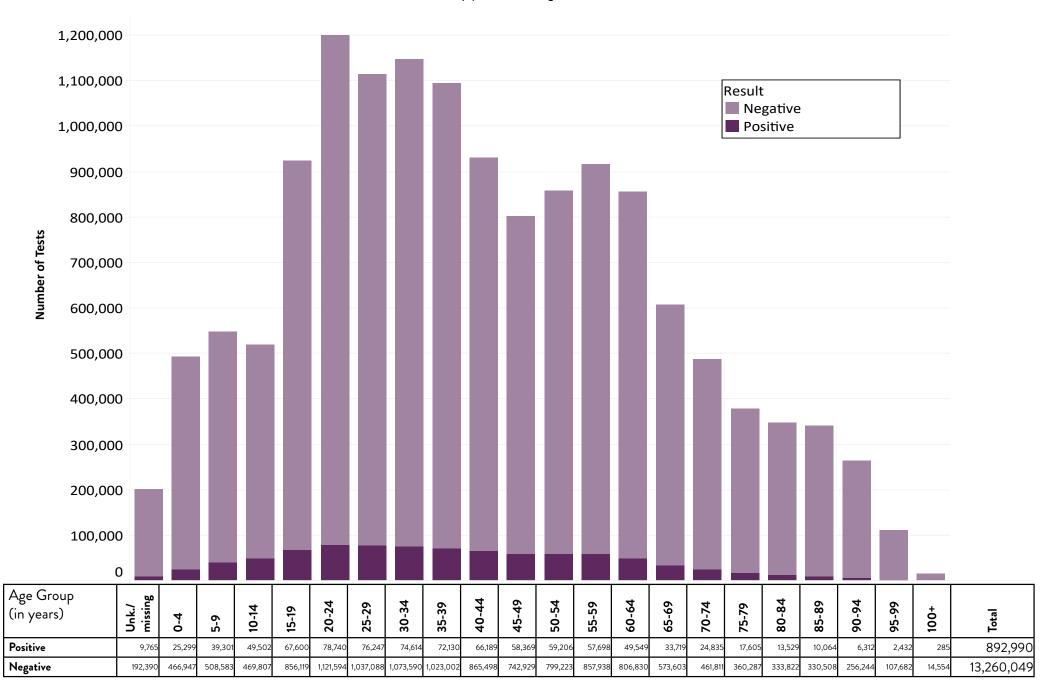
Percent of positive tests by county of residence in Minnesota by week of specimen collection. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations. Percent positive is the percent of positive tests from the total number of tests by county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

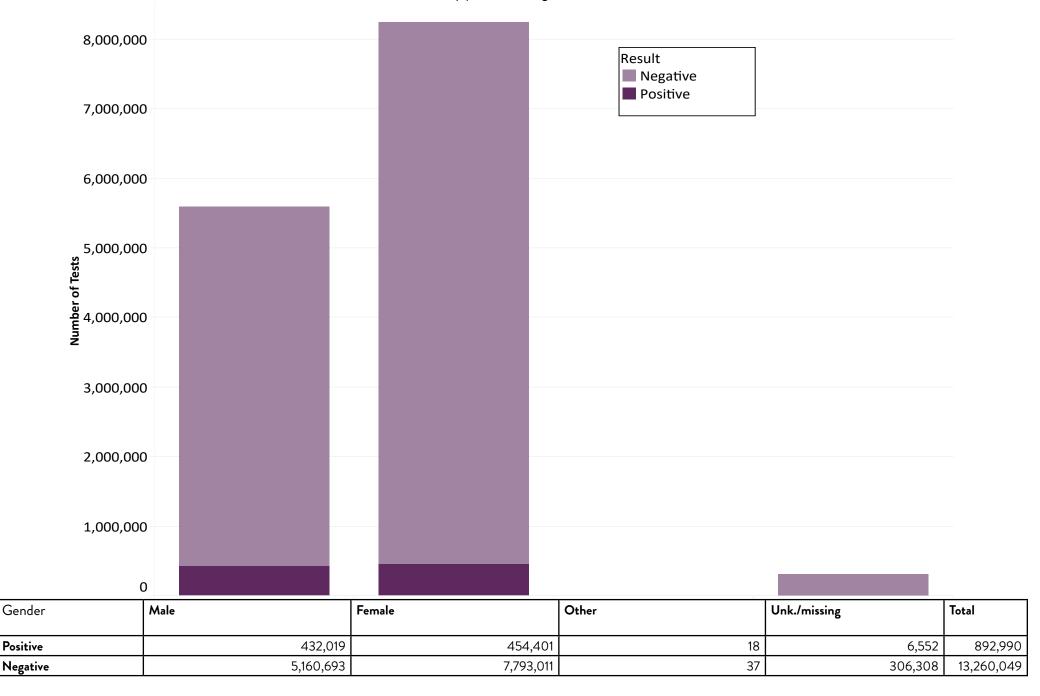
### **Testing Demographics: Age**

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).



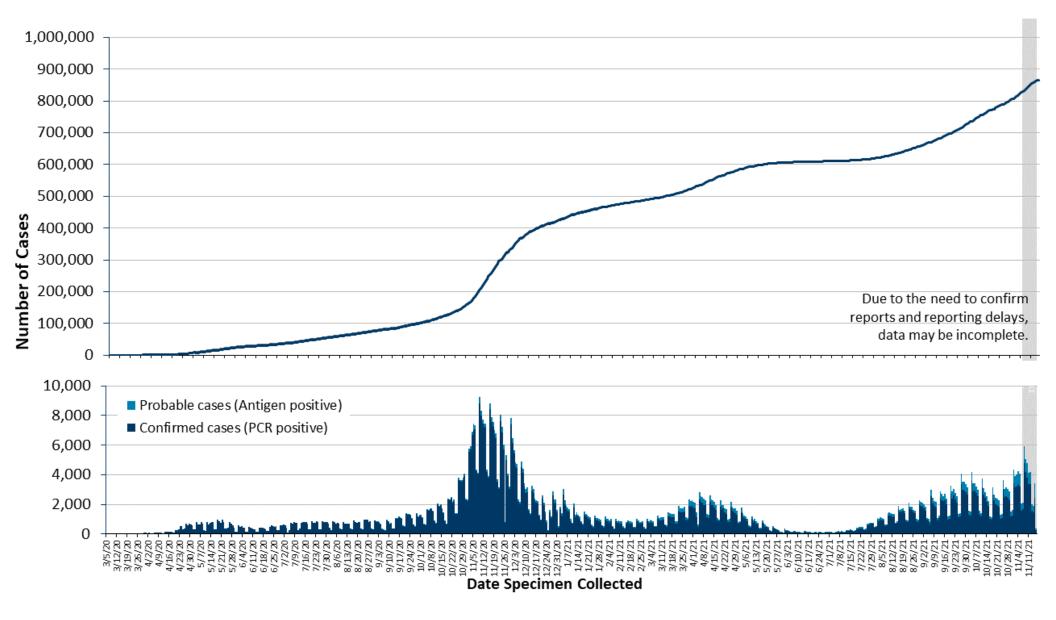
### **Testing Demographics: Gender**

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.



Total

including Reinfections

(cumulative)

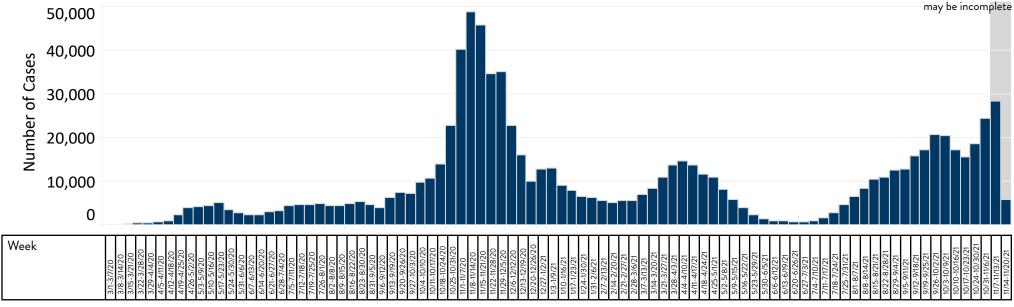
Tables of current data: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

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

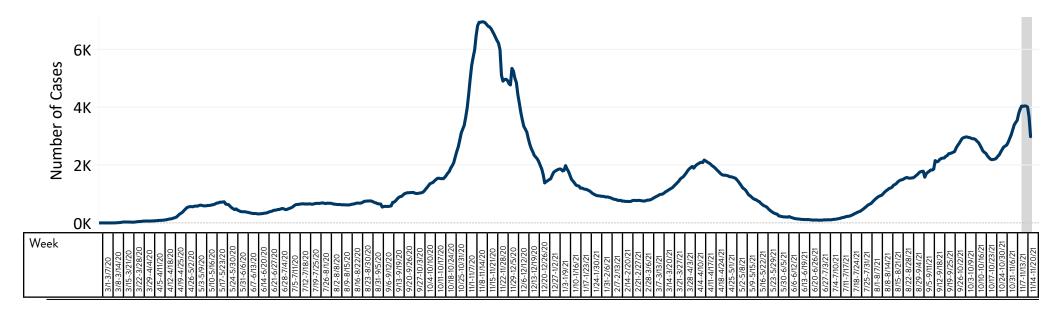
Cases by week of specimen collection date, and 7-day moving average of new cases.

#### New Cases by Week of Specimen Collection

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

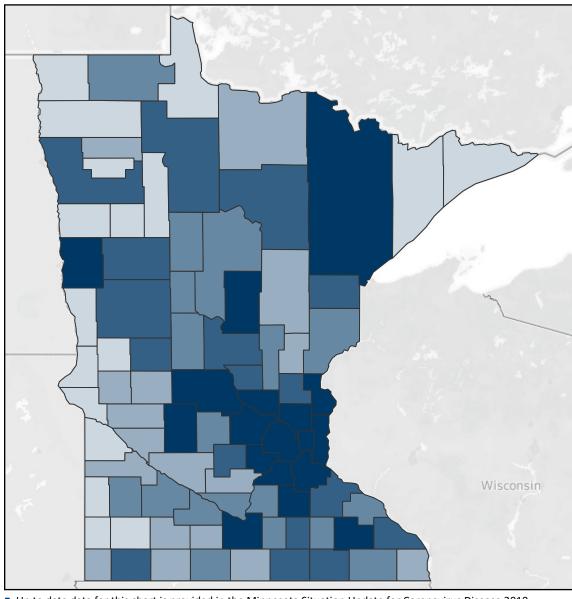


#### Seven Day Moving Average of New Cases



# **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.



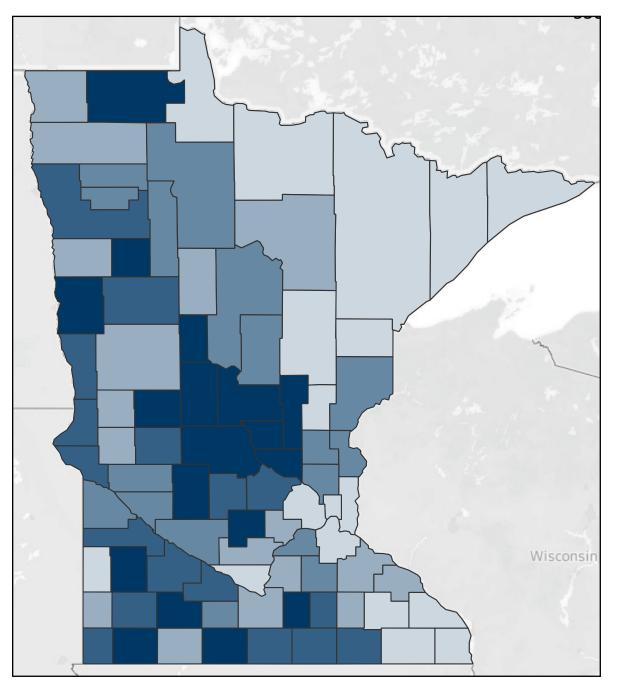
• Up to date data for this chart is provided in the Minnesota Situation Update for Coronavirus Disease 2019
(COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

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	866,055 itive Cases (cur	mulative)	No Longer N	822,882 Needing Isolatio	n (cumulative)
County	Cases	Cases no longer needing isolation	County	Cases	Cases no longer needing isolation
Aitkin	2,094	1,974	Martin	3,681	3,509
Anoka	60,302	57,521	McLeod	6,752	6,423
Becker	6,035	5,768	Meeker	4,107	3,852
Beltrami	7,779	7,302	Mille Lacs	4,924	4,612
Benton	8,491	7,996	Morrison	6,442	6,119
Big Stone	916	873	Mower	7,073	6,855
Blue Earth	10,877	10,379	Murray	1,485	1,435
Brown	4,532	4,372	Nicollet	4,913	4,649
Carlton	5,075	4,817	Nobles	5,173	5,014
Carver	15,658	14,819	Norman	1,011	953
Cass	4,782	4,558	Olmsted	20,834	19,673
Chippewa	2,106	2,012	Otter Tail	9,356	8,81
Chisago	9,450	9,001	Pennington	2,376	2,255
Clay	11,573	11,069	Pine	4,842	4,563
Clearwater	1,501	1,434	Pipestone	1,463	1,392
Cook	292	268	Polk	5,755	5,495
Cottonwood	2,181	2,077	Pope	1,945	1,83
Crow Wing	10,692	10,272	Ramsey	70,175	66,63
Dakota	63,624	60,679	Red Lake	688	644
Dodge	3,319	3,013	Redwood	2,696	2,55
Douglas	7,365	6,879	Renville	2,584	2,453
Faribault	2,452	2,336	Rice	10,869	10,390
Fillmore	2,879	2,707	Rock	1,720	1,654
Freeborn	5,367	5,144	Roseau	3,008	2,835
Goodhue	7,448	6,861	Scott	24,377	23,100
Grant	936	875	Sherburne	17,744	16,699
Hennepin	170,048	162,154	Sibley	2,383	2,30
Houston	2,584	2,472	St. Louis	27,489	25,795
Hubbard	3,375	3,186	Stearns	31,791	30,318
Isanti	6,562	6,225	Steele	6,492	6,232
ltasca	7,268	6,841	Stevens	1,589	1,440
Jackson	1,570	1,528	Swift	1,620	1,515
Kanabec	2,297	2,110	Todd	4,690	4,419
Kandiyohi	9,423	8,999	Traverse	593	564
Kittson	687	627	Wabasha	3,529	3,350
Koochiching	1,590	1,479	Wadena	2,903	2,690
Lac qui Parle	1,164	1,079	Waseca	3,551	3,42
Lake	1,249	1,168	Washington	37,966	36,05
Lake of the Woods	515	497	Watonwan	1,904	1,82
Le Sueur	4,311	4,118	Wilkin	1,164	1,82
Lincoln	853	831	Winona	6,828	6,51
		4,851			23,123
Lyon	5,052		Wright Xallaw Madiaina	24,458	
Mahnomen	1,032	966 1,410	Yellow Medicine	1,792	1,703

### 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	1,322	Martin	1,844
Anoka	1,736	McLeod	1,885
Becker	1,787	Meeker	1,780
Beltrami	1,687	Mille Lacs	1,914
Benton	2,135	Morrison	1,955
Big Stone	1,826	Mower	1,786
Blue Earth	1,640	Murray	1,778
Brown	1,798	Nicollet	1,454
Carlton	1,428	Nobles	2,369
Carver	1,559	Norman	1,541
Cass	1,648	Olmsted	1,361
Chippewa	1,754	Otter Tail	1,613
Chisago	1,727	Pennington	1,675
Clay	1,843	Pine	1,662
Clearwater	1,703	Pipestone	1,593
Cook	550	Polk	1,822
Cottonwood	1,918	Pope	1,771
Crow Wing	1,674	Ramsey	1,296
Dakota	1,521	Red Lake	1,717
Dodge	1,613	Redwood	1,759
Douglas	1,980	Renville	1,755
Faribault	1,765	Rice	1,653
Fillmore	1,378	Rock	1,827
Freeborn	1,758	Roseau	1,945
Goodhue	1,612	Scott	1,700
Grant	1,576	Sherburne	1,903
Hennepin	1,376	Sibley	1,598
Houston	1,385	St. Louis	1,374
Hubbard	1,618	Stearns	2,027
Isanti	1,684	Steele	1,770
ltasca	1,608	Stevens	1,624
Jackson	1,563	Swift	1,721
Kanabec	1,435	Todd	1,919
Kandiyohi	2,209	Traverse	1,777
Kittson	1,584	Wabasha	1,641
Koochiching	1,258	Wadena	2,127
Lac qui Parle	1,719	Waseca	1,888
Lake	1,182	Washington	1,499
Lake of the Woods	1,352	Watonwan	1,735
Le Sueur	1,541	Wilkin	1,835
Lincoln	1,495	Winona	1,343
Lyon	1,955	Wright	1,842
Mahnomen	1,874	Yellow Medicine	1,816
Marshall	1,570		

**1,567** 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 40: 10/3/21-10/9/21					Week 41: 10/10/21-10/16/21				Week / 7/21-10	42: 0/23/21		10,	Wee 24/2	ek 43 1-10/:			Week 44: 10/31/21-11/6/21							
Sta	Statewide 36.9					Statewide 30.9		Statewide 28.0					Statewide 33.7						Statewide 44.0					
					,																			
	40	41	Week 42	43	44		40	41	Week 42	43	44		40	) 41	Week	í	44			40	41	Week 42	43	44
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					>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		Image: state	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		50+				Rock Roseau Scott Sherburne Sibley St Louis Stearns Steele Stevens Swift Todd Traverse Wabasha Wadena Waseca Washingto Watonwan Wilkin Winona Wright Yellow Mer	n					

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)

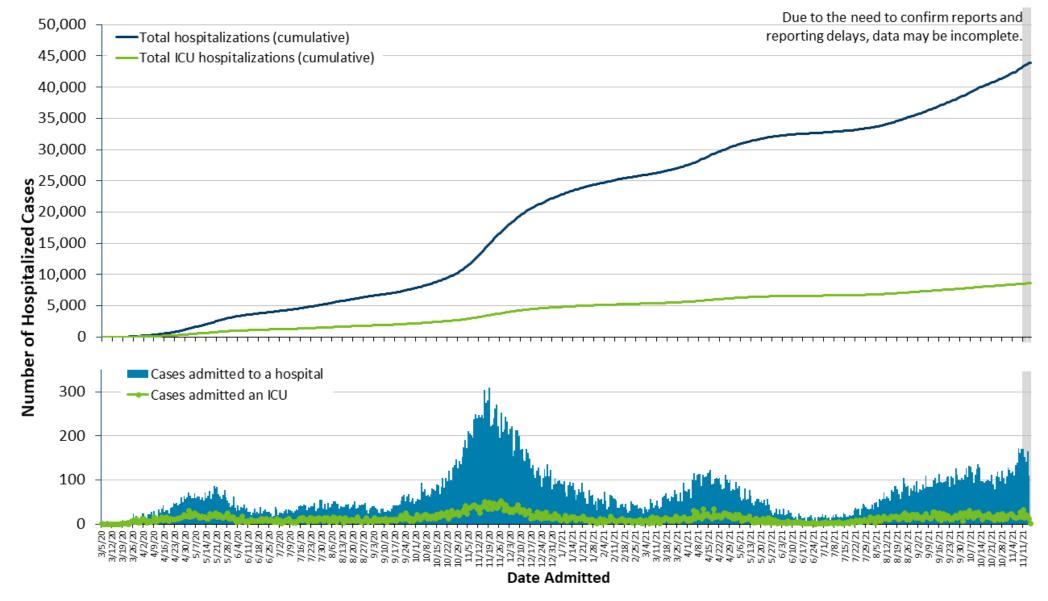
# Hospitalizations, ICU Hospitalizations

44,033 Total 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.



italizations

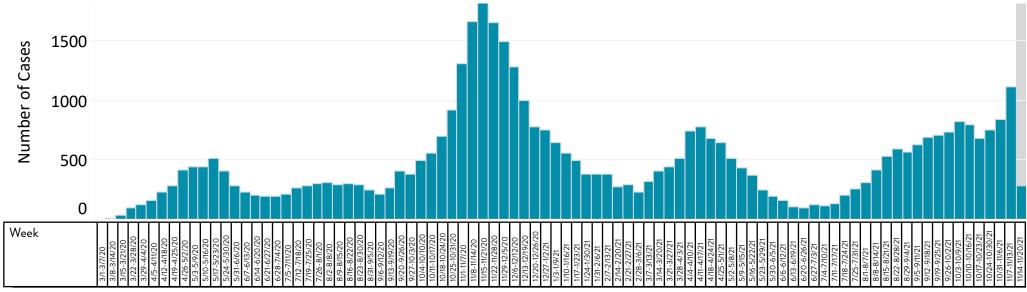


Tables of current data: Minnesota Situation Update for Coronavirus Disease 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

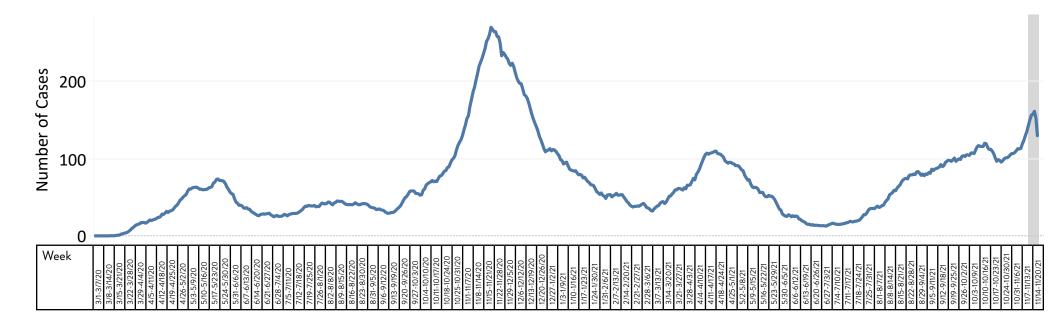
### Hospitalizations by Week, 7-Day Average

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

#### New Hospitalization by Week First Hospital Admission



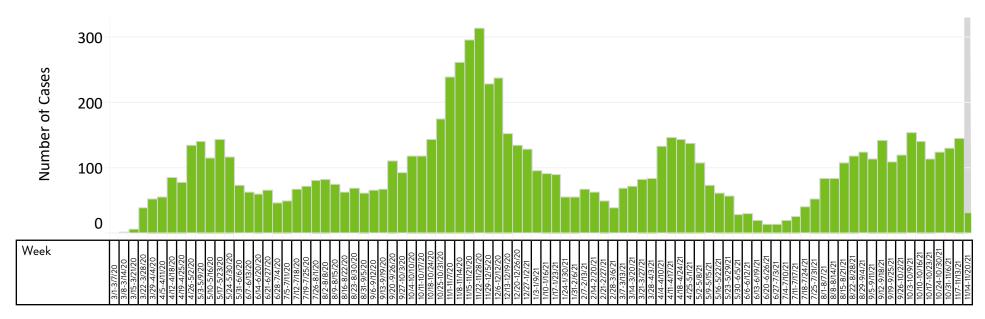
Seven Day Moving Average of New Hospitalizations



### 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

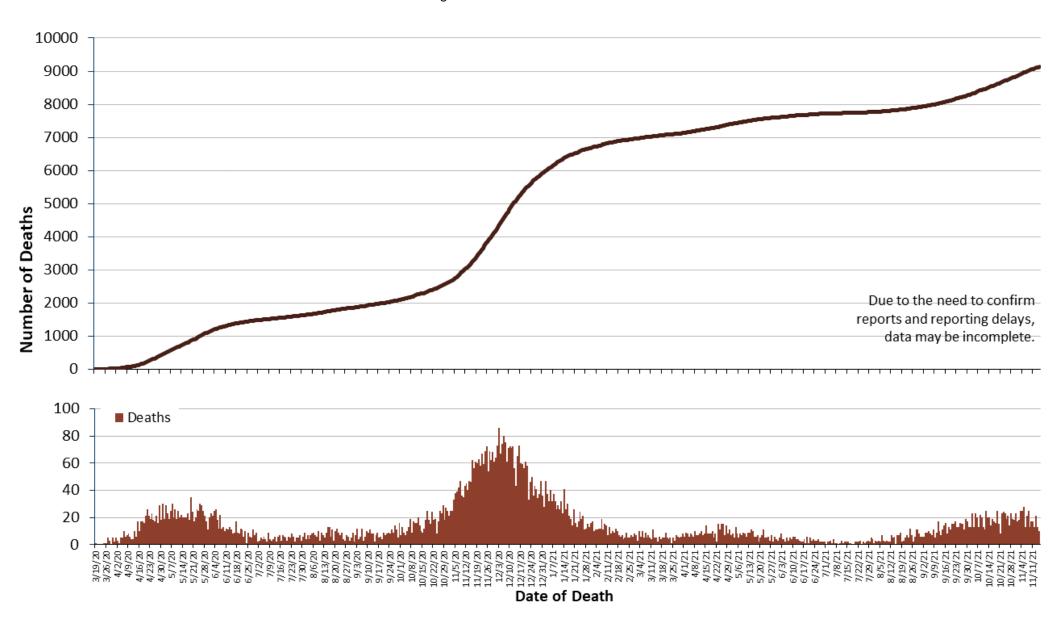


#### Seven Day Moving Average of New ICU Hospitalizations



### **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.).

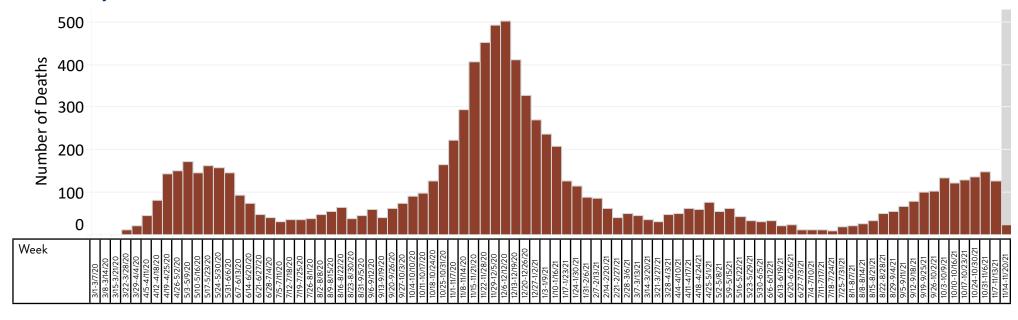


Tables of current data and more information about total deaths (also known as total deaths with laboratory testing) and non-laboratory-confirmed deaths: <u>Minnesota Situation Update for Coronavirus Disease</u> 2019 (COVID-19) (https://www.health.state.mn.us/diseases/coronavirus/situation.html)

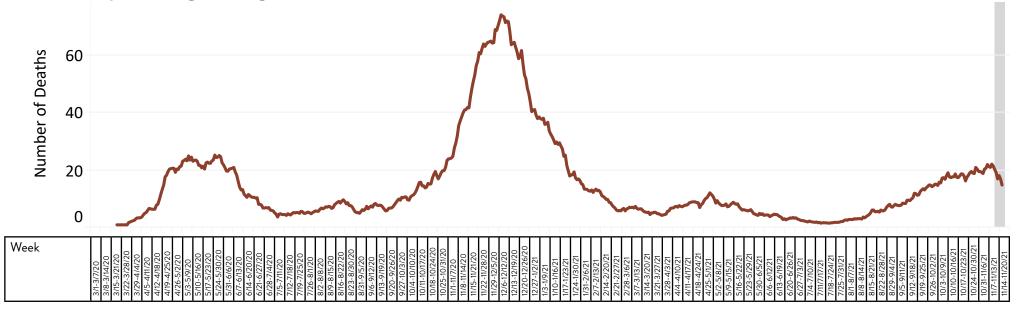
### Deaths by Week, 7-Day Average

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

#### Deaths by Week of Death

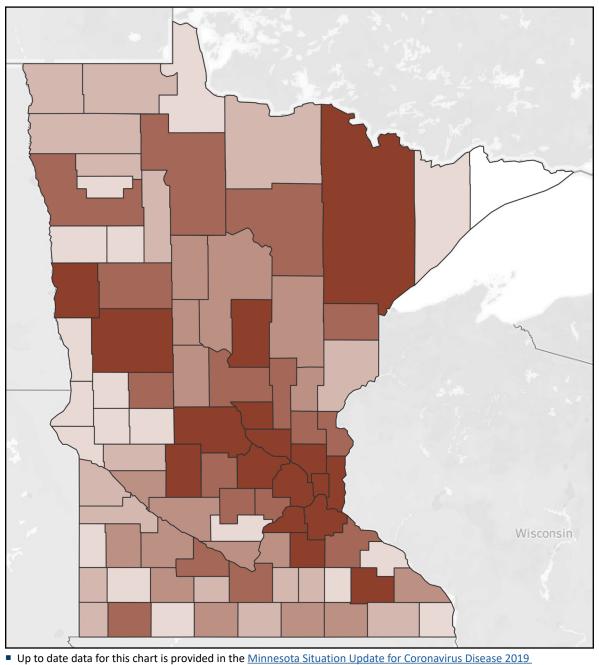


#### Seven Day Moving Average of Deaths



### 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)

		Iotai	Total Deaths (cumulative)				
County	Deaths	County	Deaths				
Aitkin	47	Martin	42				
Anoka	556	McLeod	82				
Becker	70	Meeker	57				
Beltrami	91	Mille Lacs	69				
Benton	122	Morrison	77				
Big Stone	5	Mower	46				
Blue Earth	64	Murray	11				
Brown	57	Nicollet	57				
Carlton	71	Nobles	54				
Carver	64	Norman	9				
Cass	50	Olmsted	126				
Chippewa	41	Otter Tail	119				
Chisago	69	Pennington	29				
Clay	101	Pine	40				
Clearwater	20	Pipestone	29				
Cook	0	Polk	84				
Cottonwood	32	Pope	10				
Crow Wing	121	Ramsey	1,025				
Dakota	560	Red Lake	10				
Dodge	11	Redwood	45				
Douglas	99	Renville	51				
Faribault	31	Rice	137				
Fillmore	15	Rock	27				
Freeborn	43	Roseau	31				
Goodhue	93	Scott	175				
Grant	9	Sherburne	120				
Hennepin	1,995	Sibley	16				
Houston	17	St. Louis	380				
Hubbard	47	Stearns	270				
Isanti	81	Steele	30				
ltasca	93	Stevens	11				
Jackson	16	Swift	21				
Kanabec	33	Todd	40				
Kandiyohi	104	Traverse	6				
Kittson	22	Wabasha	9				
Koochiching	22	Wadena	36				
Lac qui Parle	25	Waseca	31				
Lake	24	Washington	348				
Lake of the Woods	5	Watonwan	19				
Le Sueur	33	Wilkin	15				
Lincoln	5	Winona	56				
Lyon	61	Wright	195				
Mahnomen	13	Yellow Medicine	21				
Marshall	21	Unknown/missing	0				

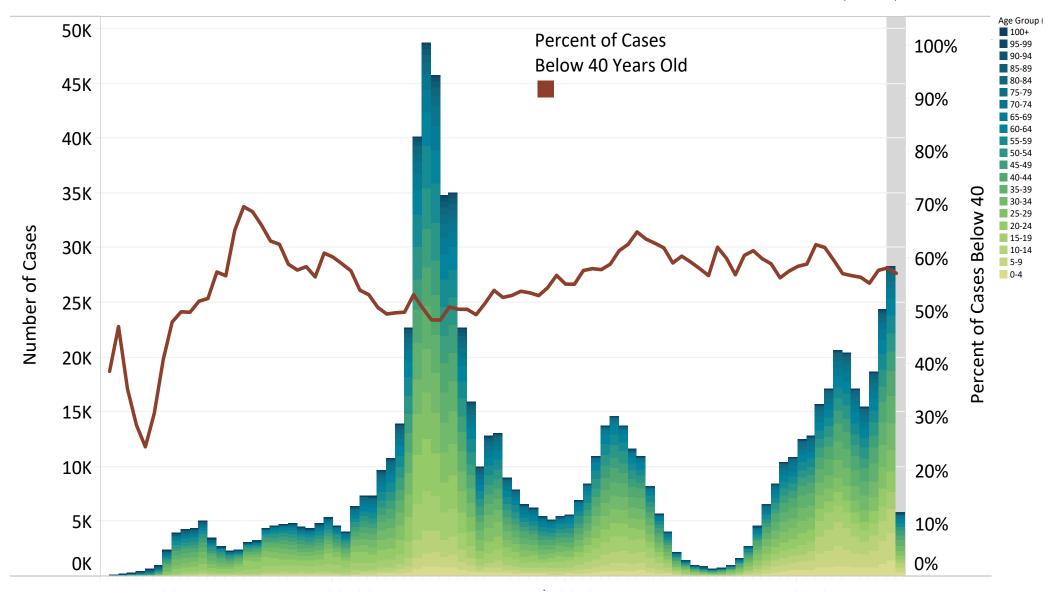
9,125

Dem	00	ra	nt		<b>C</b> •	Δ	10							Г					Me	dian /	Age (I	Range	) in Ye	ears		
	Demographics: Age									Ī	All Cases				36 (<1 month - 110)											
Age groups, me	Age groups, median age, and range for cases.									Non-Hospitalized Cases			35 (<1 month - 110)													
001/		0 /		,										Γ	Hospitalizations					63 (<1 month - 105)						
														Ī	ICU H	ospita	lizatior	าร	63 (	(<1 mor	nth - 10	)5)				
														Ī	Death	5			81 (	<1 - 10	9)					
2	16%																									
<u>-</u>	14%						P P	roporti	on of l	Hospita	alizatio missioi															
<u>:</u>	12%															1										
ises	10%															ł										
Percent of Cases	8%														١.											
Pe	6%																									
	4%									h																
	2%																									
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		26,030	39,622					72,516						48,540		24,224	16,821	12,571	9,077	5,717	2,144	409		866,055		
Hospitalizations		406	165					1,974	1,917					4,303		4,353		3,449		1,442	450	43	2	44,033		
ICU Hospitalizat	ions	87	41	52	130	111	184	263	333					1,089		1,012	849	617	369	167	45		2	8,814		
Deaths		1	2	0	2	8	16	34	46	65	124	208	303	517	669	937	1,113	1,421	1,546	1,344	644	125	0	9,125		

### **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

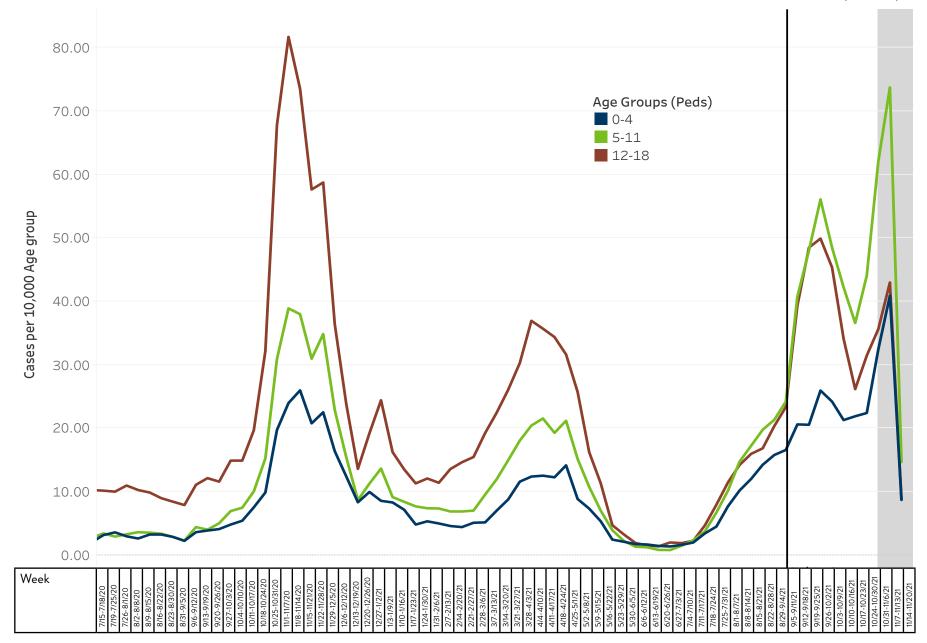


Downloadable CSV file of current data for this graph is provided at: Minnesota COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

### Case Rate in Children by Specimen Collection Date

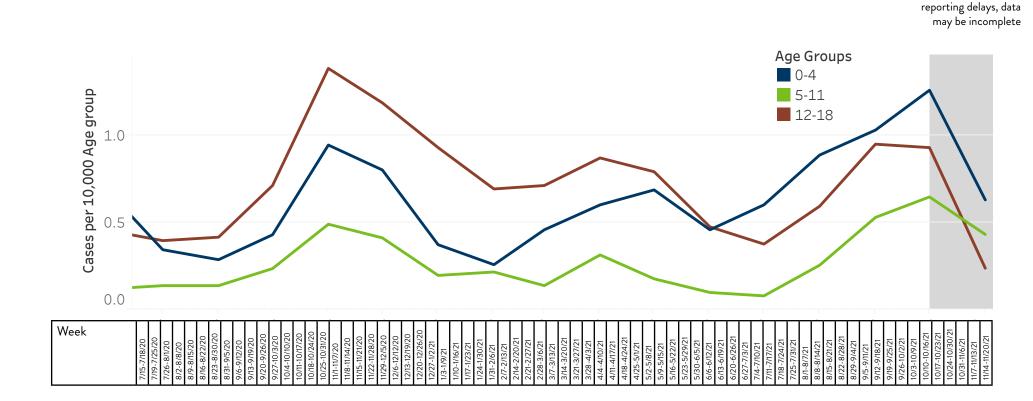
Cases by age group for children in Minnesota (cases 18 years of age and under) per 10,000 people by date of specimen collection.

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



### Hospitalization Rate in Children by Specimen Collection Date

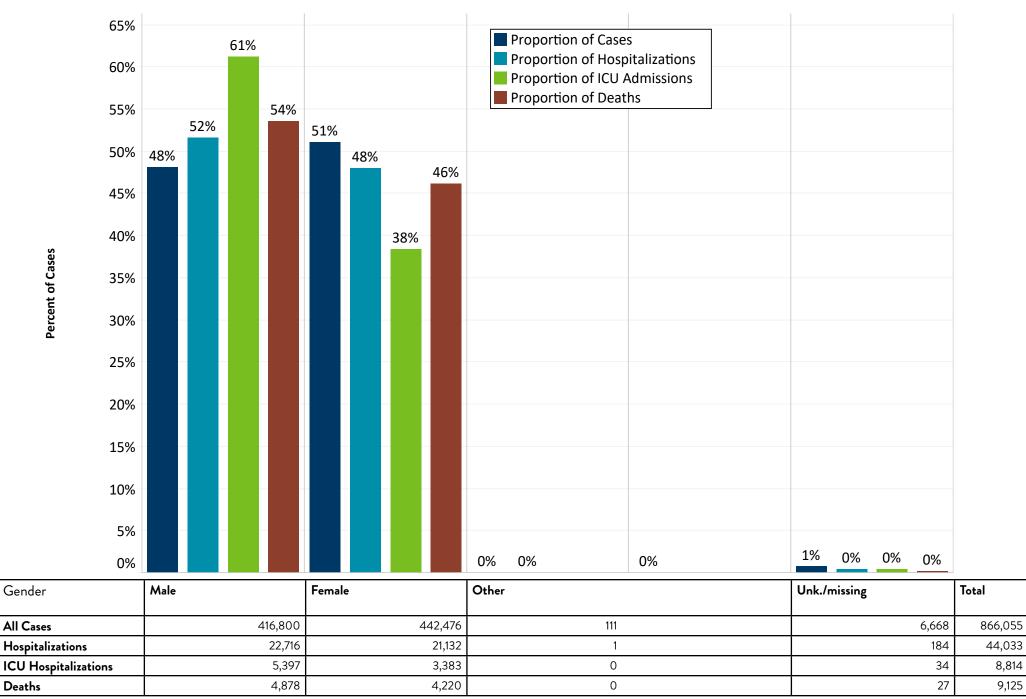
Hospitalizations by age group for children in Minnesota (cases 18 years of age and under) per 10,000 people by date of specimen collection.



Due to the need to confirm reports and

# **Demographics: Gender**

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



Minnesota Department of Health Weekly COVID-19 Report: Updated 11/18/2021 with data current as of 4 a.m. the previous day unless specifically noted in the graph.

Page 26

# 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.

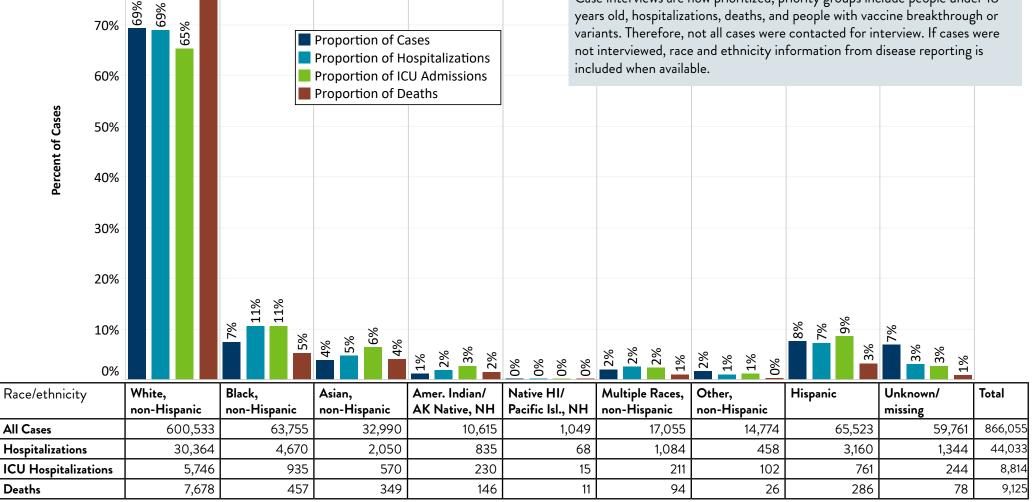
84%

90%

80%

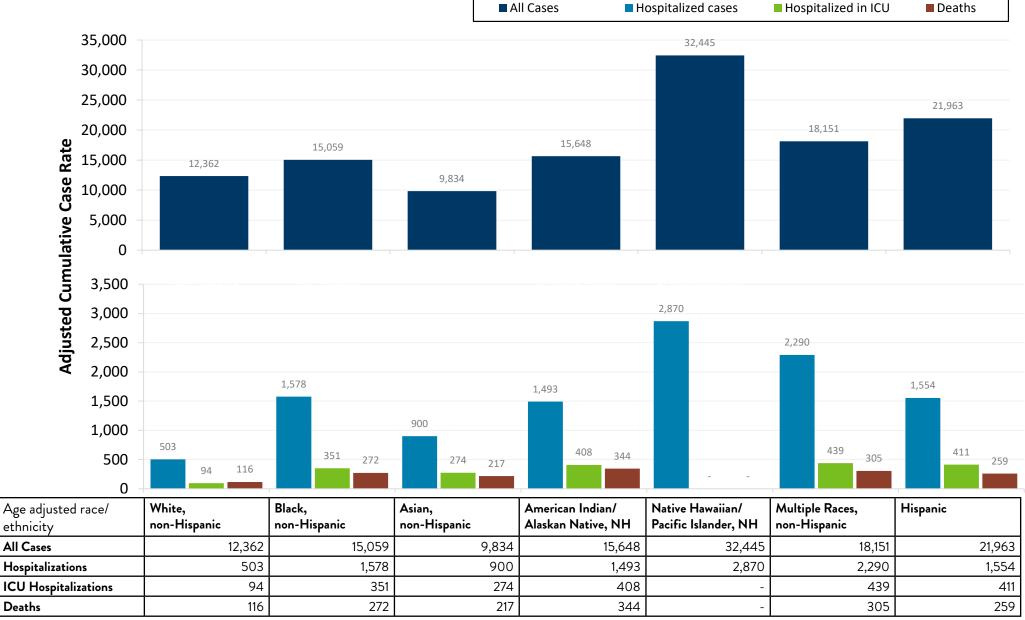
Race/Ethnicity	Minnesota Population (2018)	% of Population
White, non-Hispanic	4,438,071	80%
Black, non-Hispanic	336,505	6%
Asian, non-Hispanic	260,797	5%
American Indian/Alaska Native, non-Hispanic	53,168	1%
Native Hawaiian/Pacific Islander, non-Hispanic	1,799	<1%
Multiple Races, non-Hispanic	137,233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



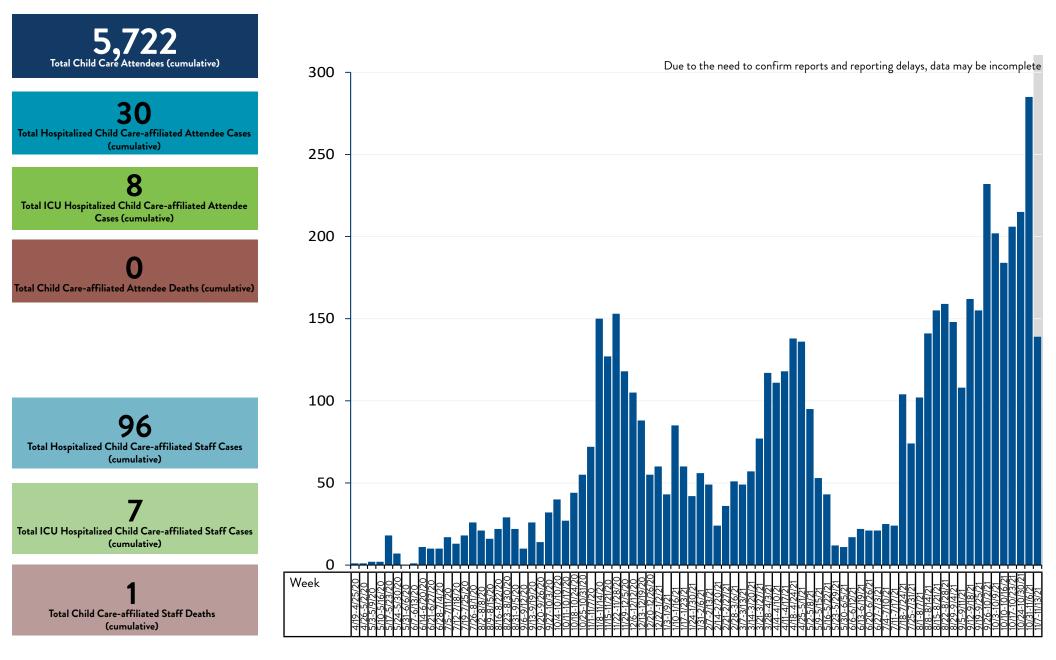
### **Age-Adjusted Race & Ethnicity Rates**

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.



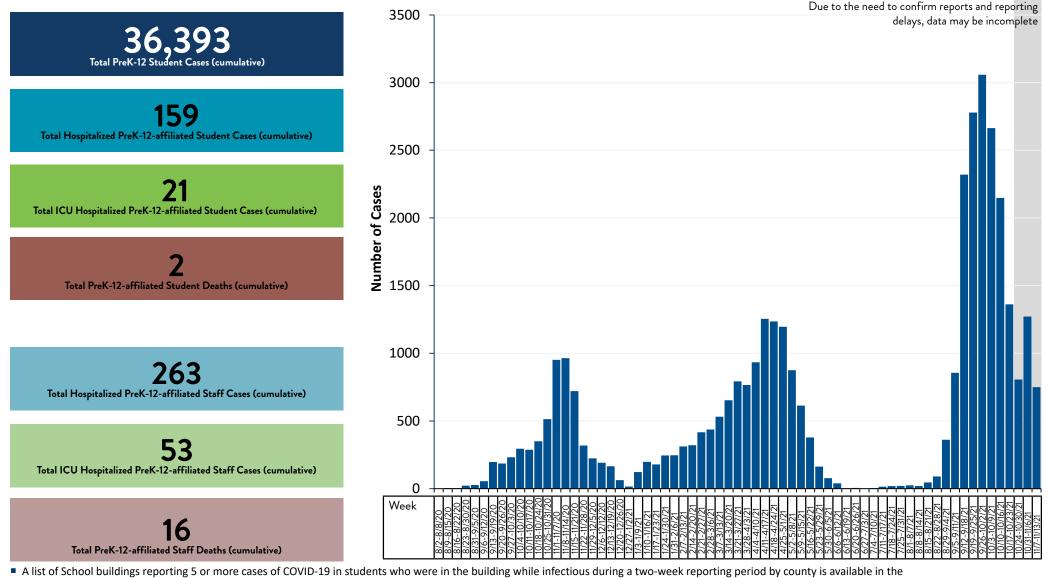
# **Potential Exposure in Child Care Settings**

Cases of COVID-19 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.



# 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.



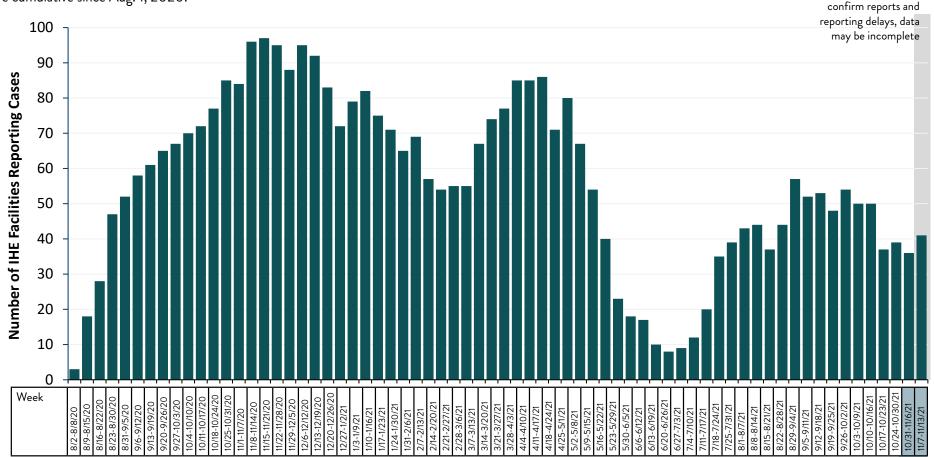
COVID-19 Weekly Report (https://www.health.state.mn.us/diseases/coronavirus/stats/index.html)

# 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

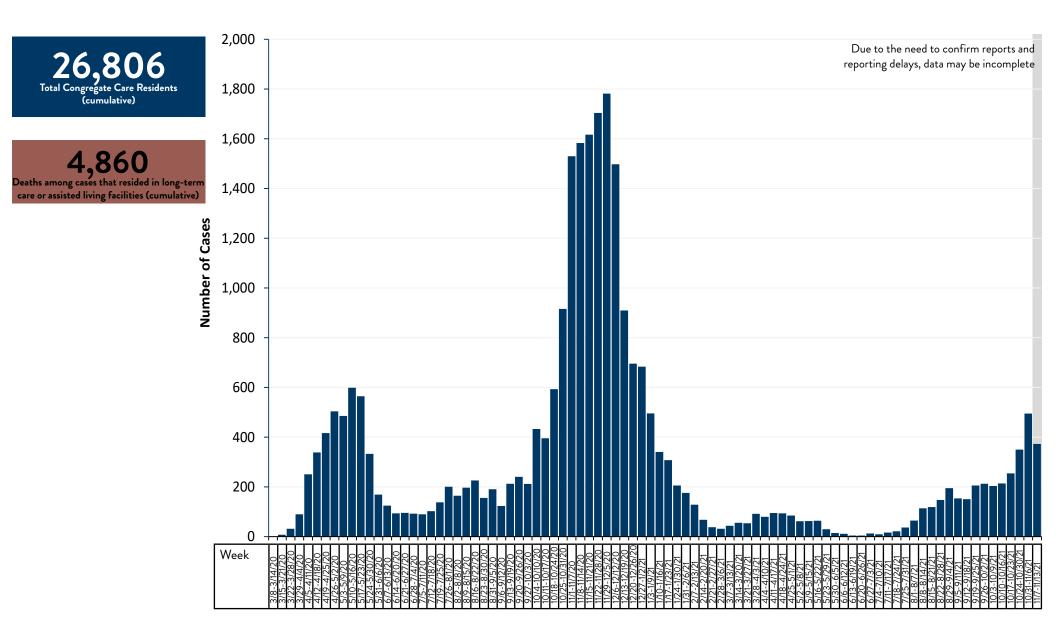


The IHE facility data will be changing in the coming weeks. This information is no longer collected for all cases.

Cases per IHE facility	Number of IHEs reporting cases 10/31-11/13/21	
1-10 cases	37	
11-30 cases	10	
31-99 cases	1	
≥100 cases	0	
Total	48	

# **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.

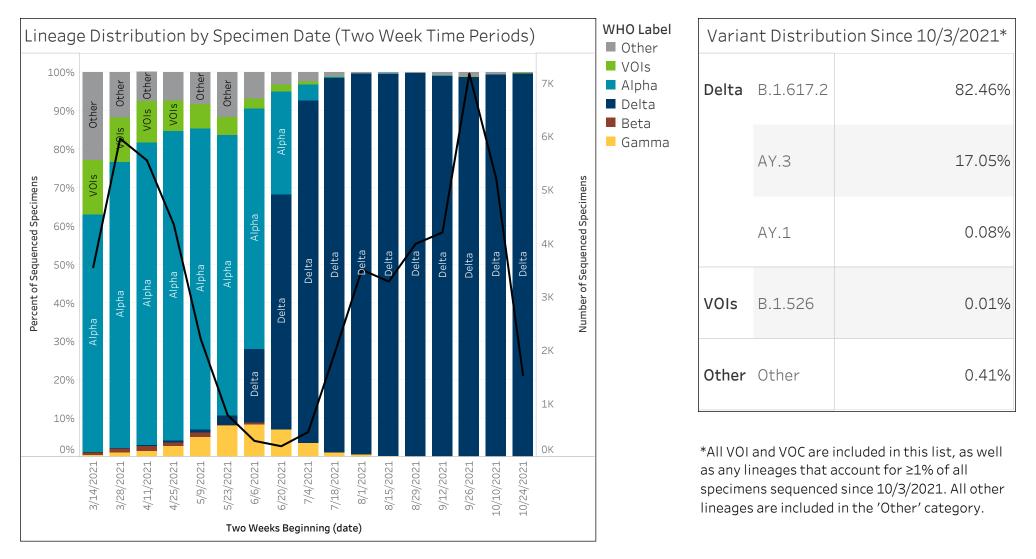


A list of congregate care facilities reporting an exposure in the last 28 days from a case in a resident, staff person, or visiting provider and a cumulative list of long-term care facilities reporting a case in a resident, staff person, or visiting service provider are available on: <u>Minnesota Situation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

## SARS-CoV-2 Variants Circulating in Minnesota

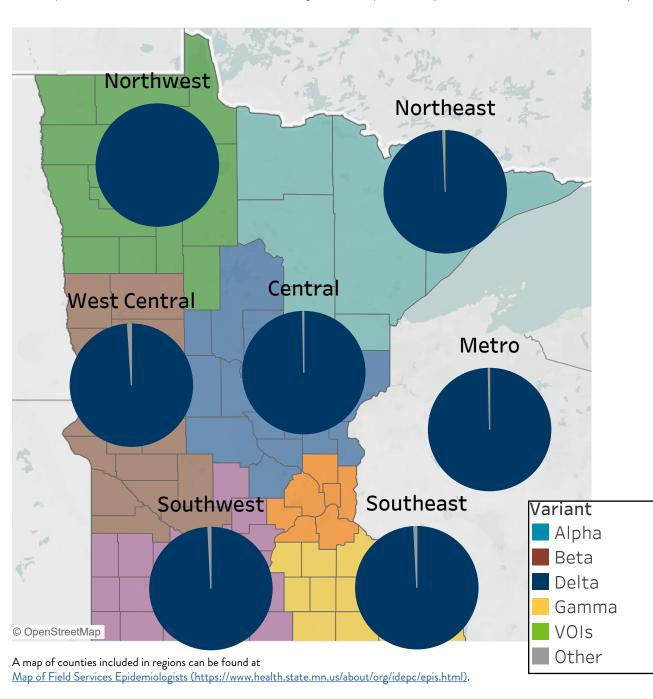
Lineage distribution of SARS-CoV-2 variants in Minnesota. The line indicates number of specimens sequenced, while the bars show proportions of each variant identified.

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.

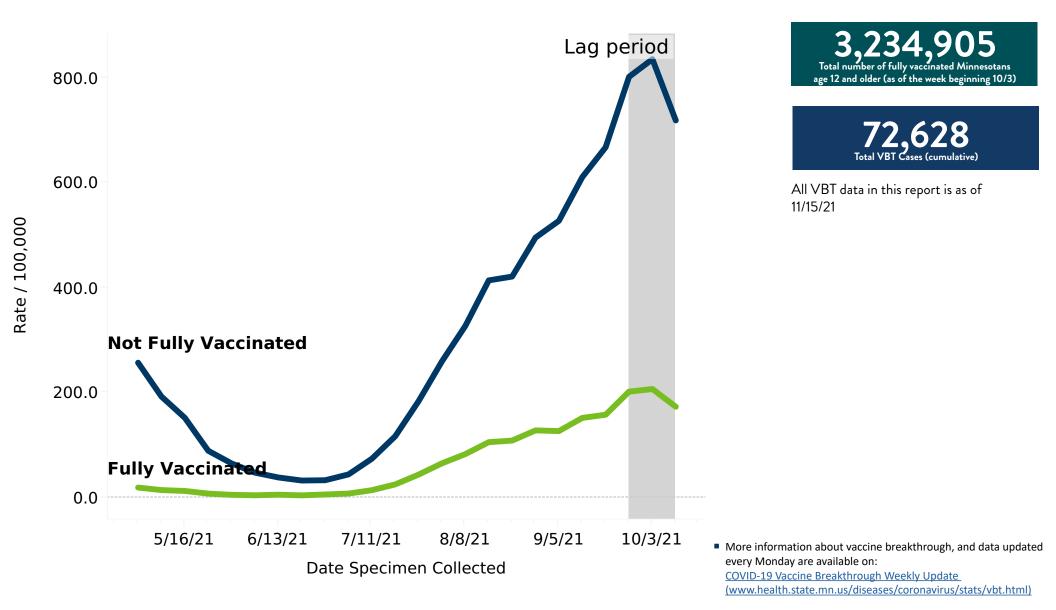


Region & Variant	Variant %	Region & Variant	Variant %
Northwest		Northeast	
Alpha	0.0%	Alpha	0.0%
Beta	0.0%	Beta	0.0%
Delta	100.0%	Delta	99.3%
Gamma	0.0%	Gamma	0.0%
Other	0.0%	Other	0.5%
VOIs	0.0%	VOIs	0.1%
West Central		Central	
Alpha	0.0%	Alpha	0.0%
Beta	0.0%	Beta	0.0%
Delta	99.0%	Delta	99.7%
Gamma	0.0%	Gamma	0.0%
Other	1.0%	Other	0.3%
VOIs	0.0%	VOIs	0.0%
Southwest		Southeast	
Alpha	0.0%	Alpha	0.0%
Beta	0.0%	Beta	0.0%
Delta	99.2%	Delta	99.2%
Gamma	0.0%	Gamma	0.0%
Other	0.8%	Other	0.8%
VOIs	0.0%	VOIs	0.0%
Metro			
Alpha	0.0%		
Beta	0.0%		
Delta	99.7%		
Gamma	0.0%		
Other	0.3%		
VOIs	0.0%		

# Vaccine Breakthrough (VBT) Cases

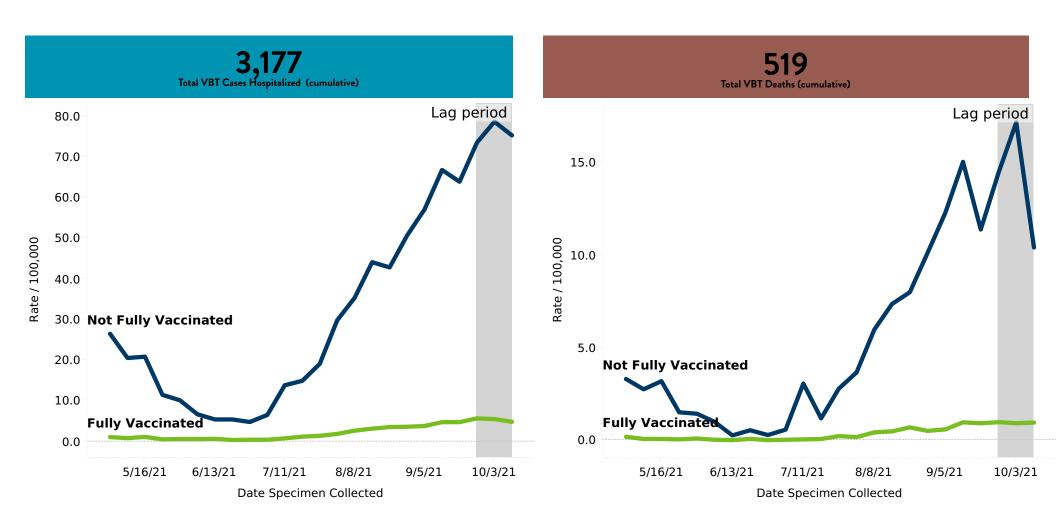
Vaccine breakthrough cases are defined as Minnesota residents with a positive COVID-19 test result (PCR or antigen) with a symptom onset date (or collection date if asymptomatic) 14 or more days after they have completed all recommended doses of a COVID-19 vaccine. VBT data has a lag period of one month 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.



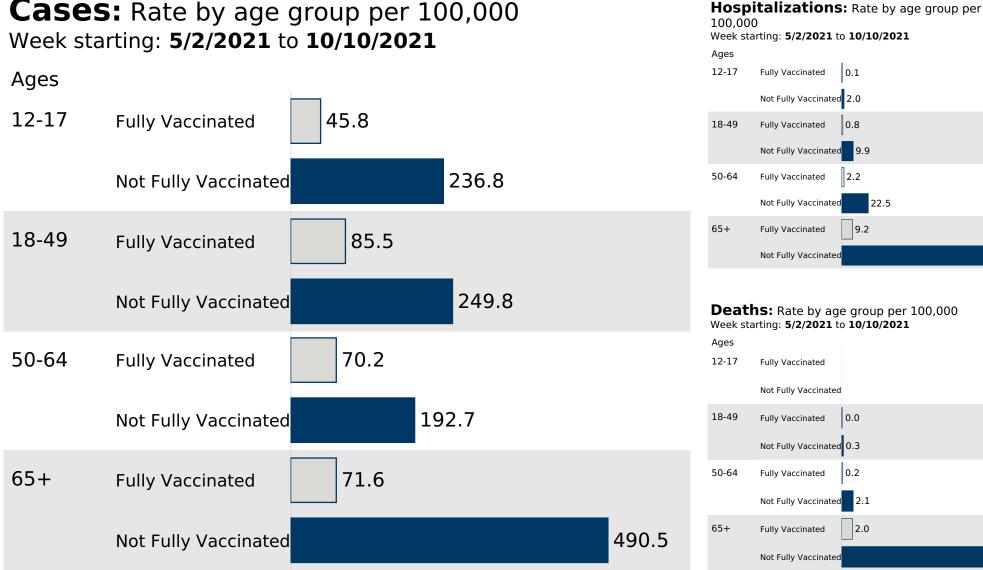
### **VBT** Hospitalizations and Deaths

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.



Ages 12-17 Fully Vaccinated 0.1 Not Fully Vaccinated 2.0 18-49 0.8 Fully Vaccinated Not Fully Vaccinated 9.9 50-64 Fully Vaccinated 2.2

9.2

22.5

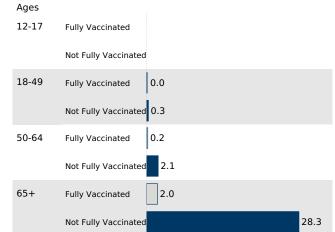
125.1

**Deaths:** Rate by age group per 100,000 Week starting: 5/2/2021 to 10/10/2021

Not Fully Vaccinated

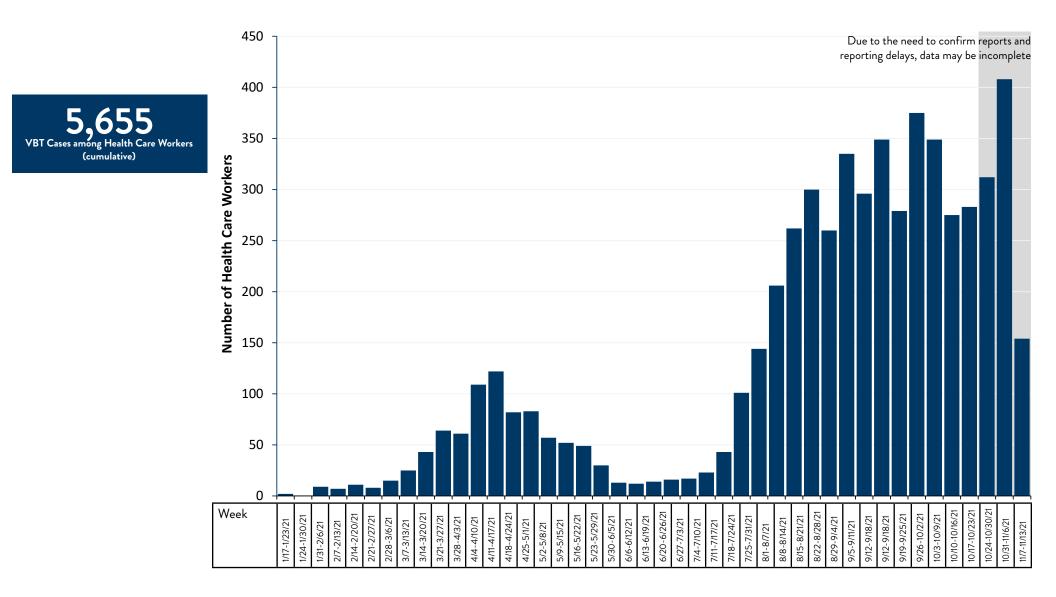
Not Fully Vaccinated

Fully Vaccinated

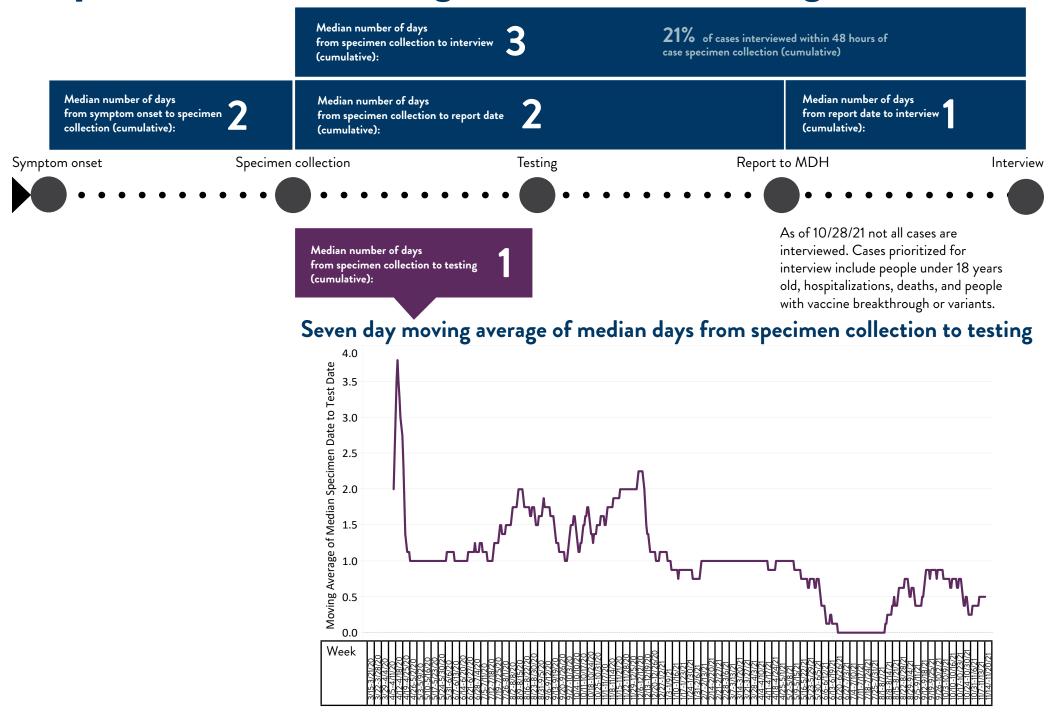


#### VBT Cases among Health Care Workers

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**



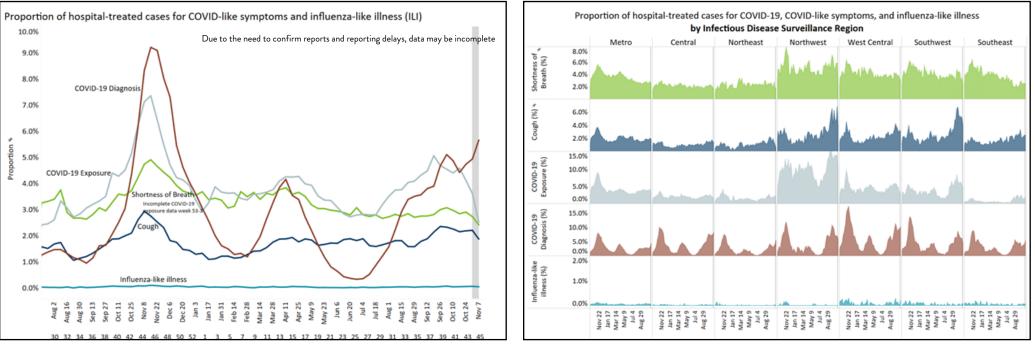
## Syndromic Surveillance

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 November 13, 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.

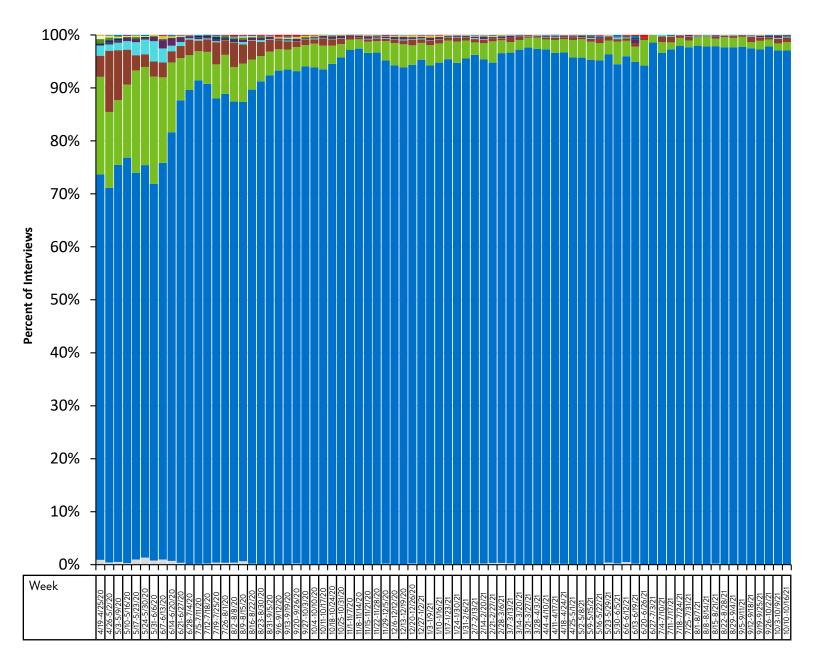
Through November 13, 2021, these data represent all patients from about 130 hospitals in Minnesota, covering approximately 88% of the hospital beds statewide. Efforts are underway to expand hospitals to more fully represent the state.



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%		

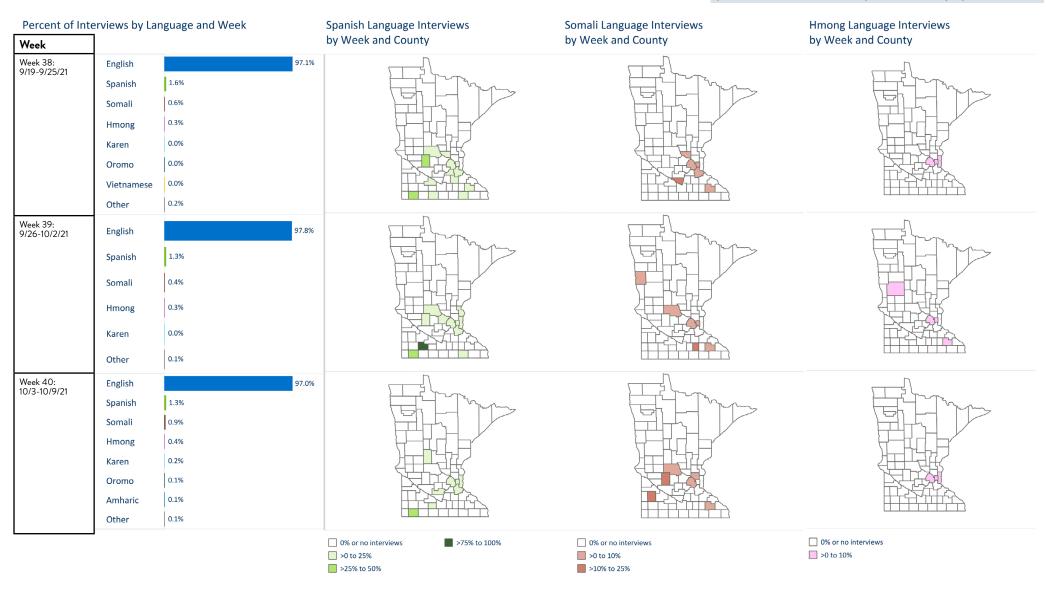
Minnesota Department of Health Weekly COVID-19 Report: Updated 10/21/2021 with data current as of 4 a.m. the previous day unless specifically noted in the graph. Page 41

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

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

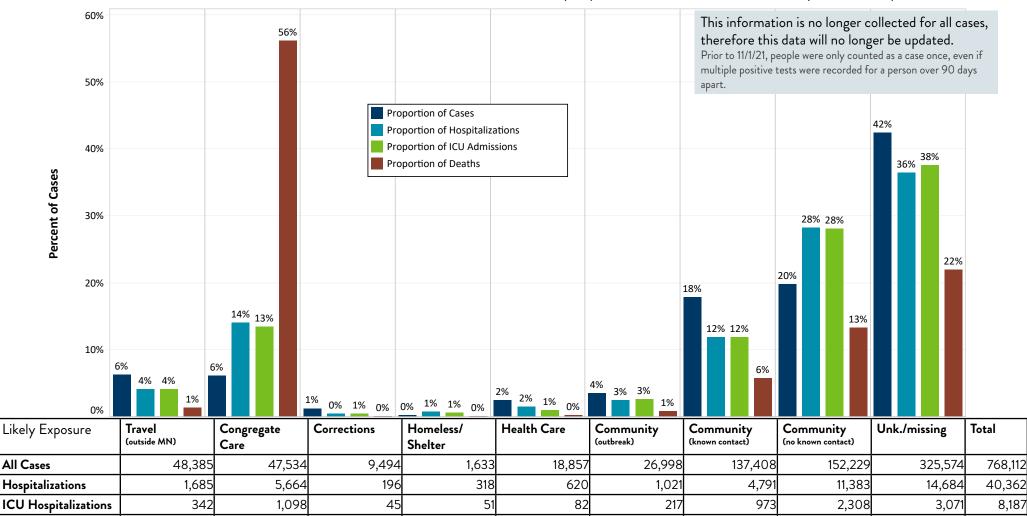
#### This information is no longer collected for all cases, therefore this data will no longer be updated.

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.

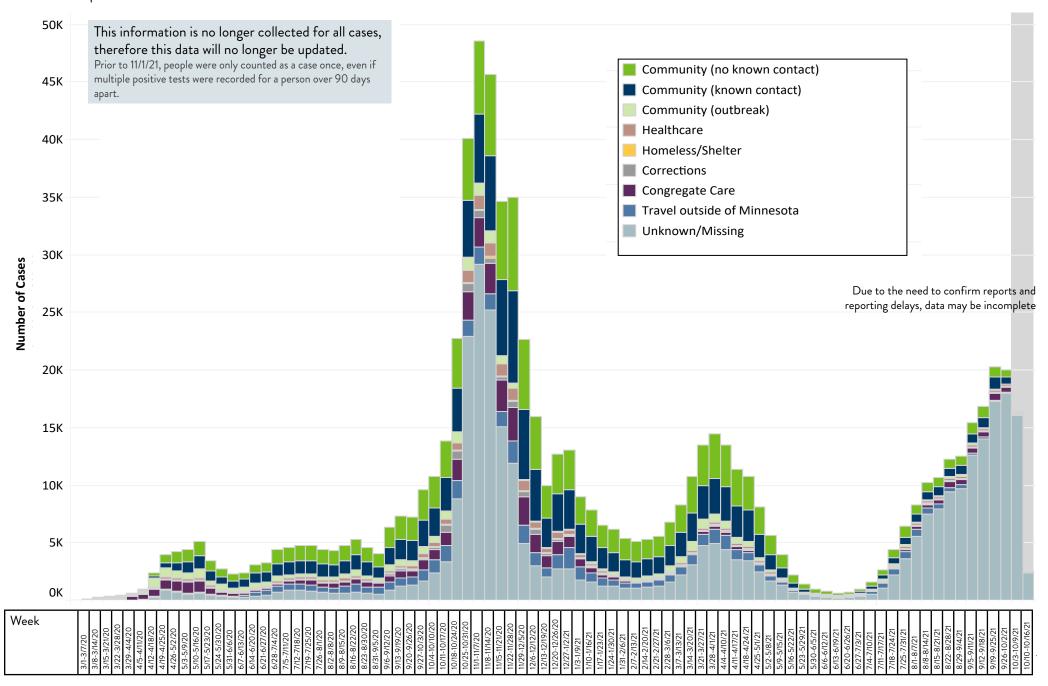
- Corrections: Inmates who were exposed while incarcerated, and staff of a jail/prison setting who are not part of a non-corrections outbreak and did not have an exposure to a positive household member.
- Homeless/Shelter: Residents/guests, and staff who are not part of a non-shelter outbreak and did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

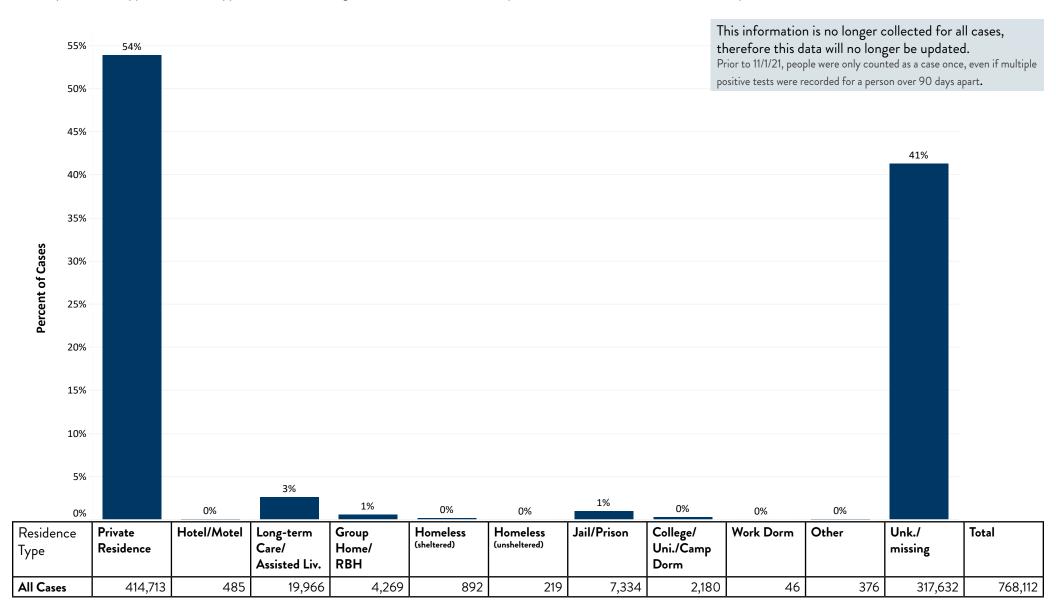
#### Cases by Likely Exposure and Specimen Collection Date (Archived)

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.



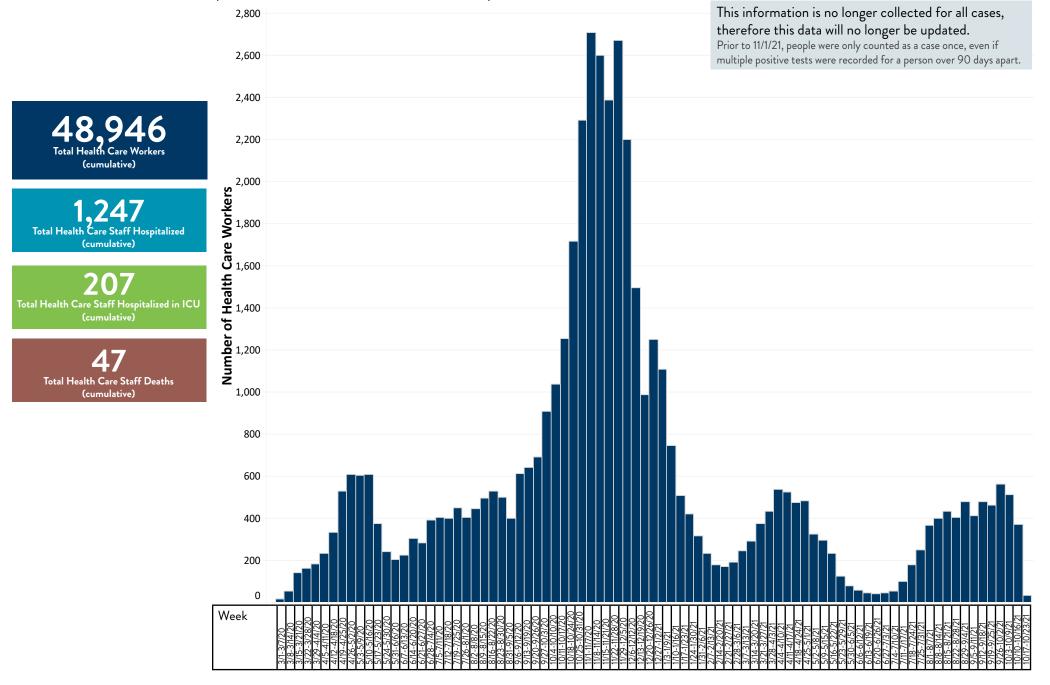
## Residence Type (Archived)

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



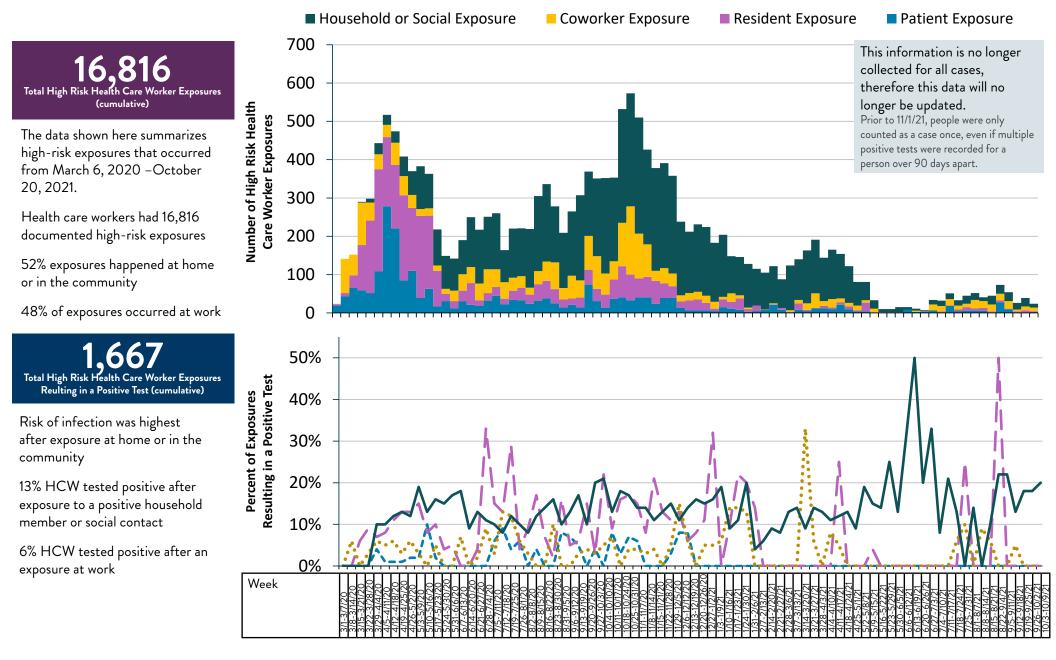
## Cases among Health Care Workers (Archived)

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.

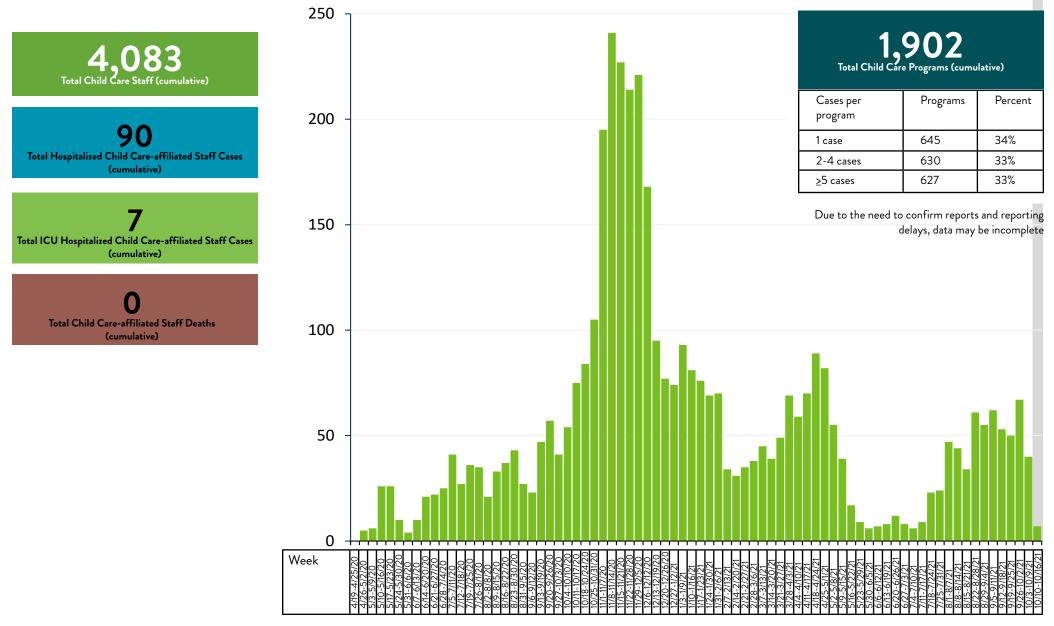


## Staff with Potential Exposure in Child Care Settings (Archived)

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.

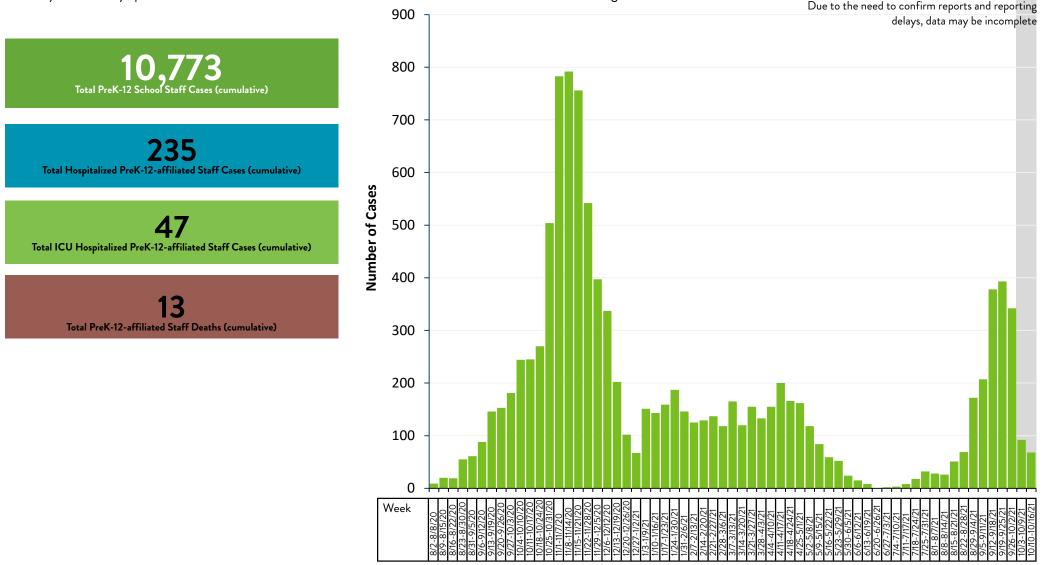


## Staff Cases Associated with Pre-K through Grade 12 School Buildings (Archived)

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.

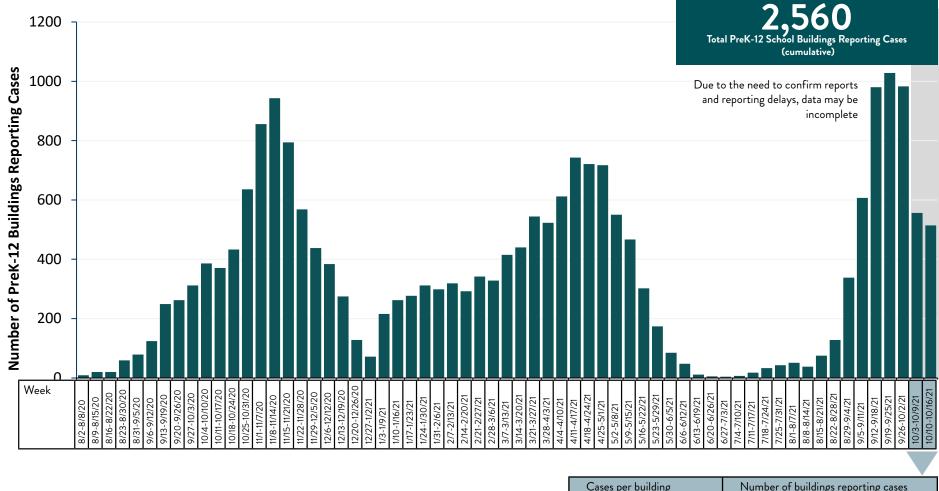


#### PreK-12 School Buildings Reporting Cases (Archived)

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.



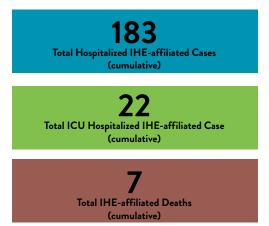
Cases per building	Number of buildings reporting cases 10/3-10/16/21			
1 case	405			
2-4 cases	324			
≥5 cases	99			
Total	828			

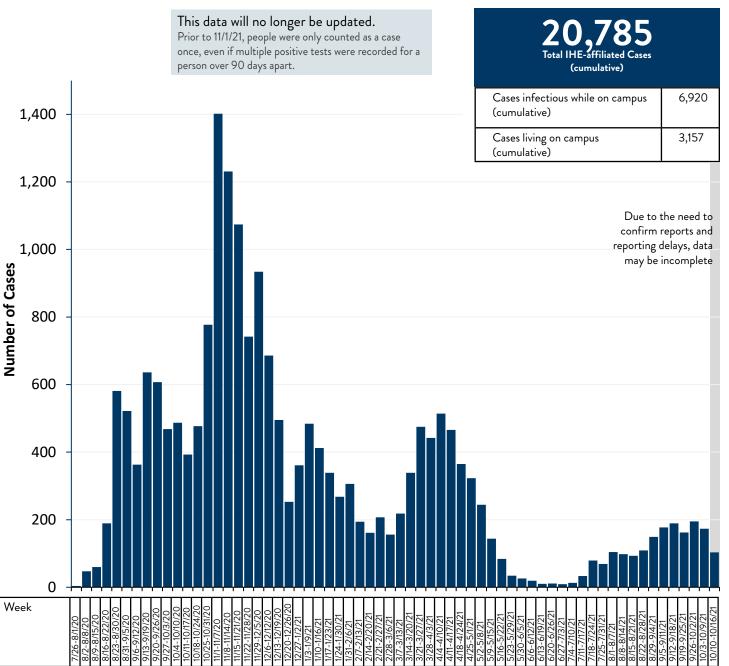
A list of School buildings reporting 5 or more cases of COVID-19 in students who were in the building while infectious during a two-week reporting period by county is available in the <u>Minnesota Situation Update for Coronavirus Disease 2019 (https://www.health.state.mn.us/diseases/coronavirus/situation.html)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



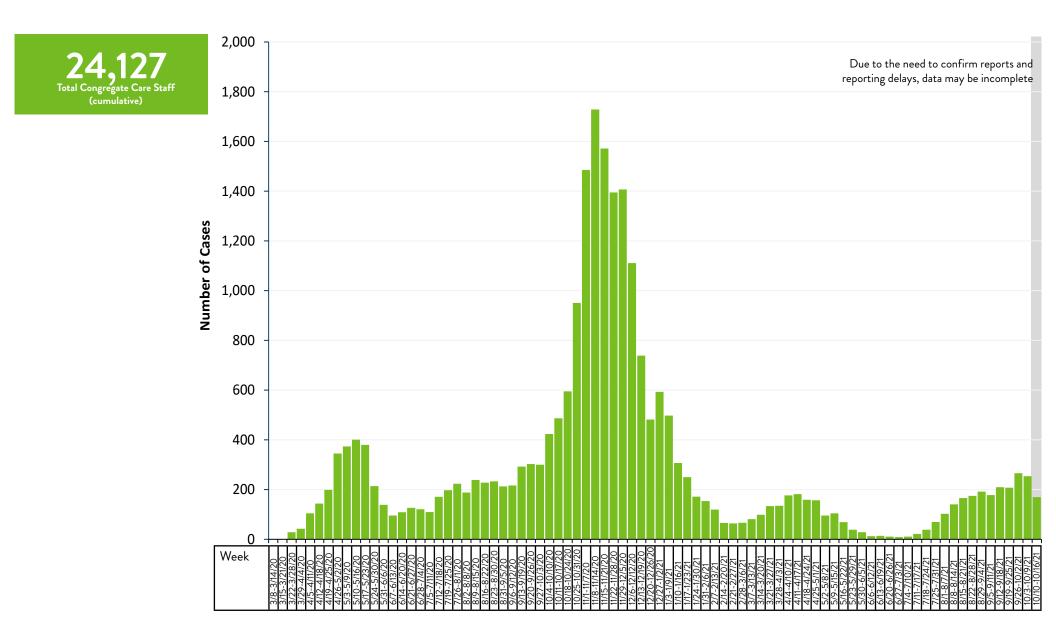


## Staff Cases Associated with Congregate Care Settings (Archived)

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.

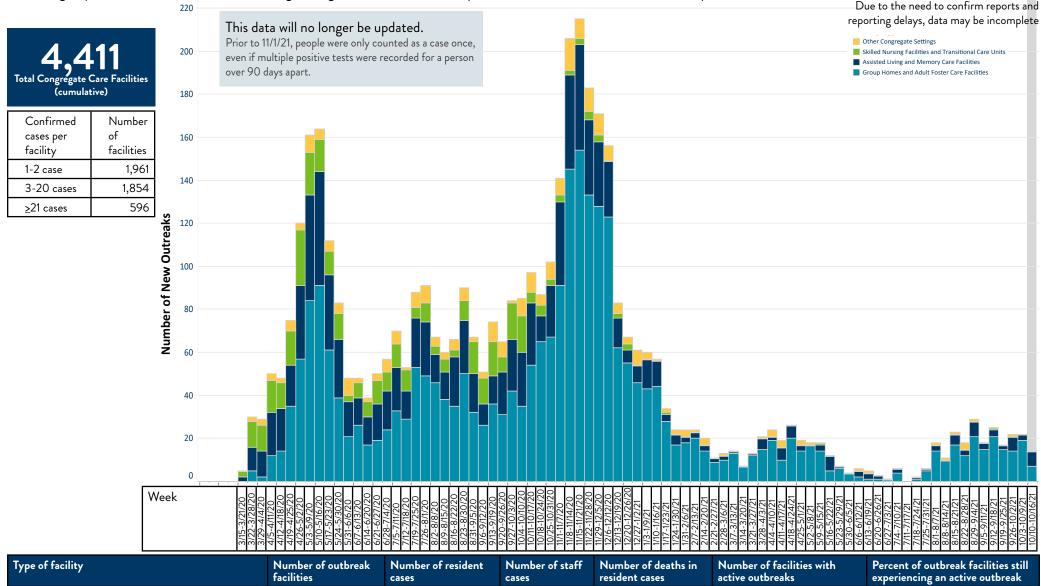
#### This information is no longer collected for staff in Congregate Care Settings.

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>