COVID-19 Pediatric Case Report

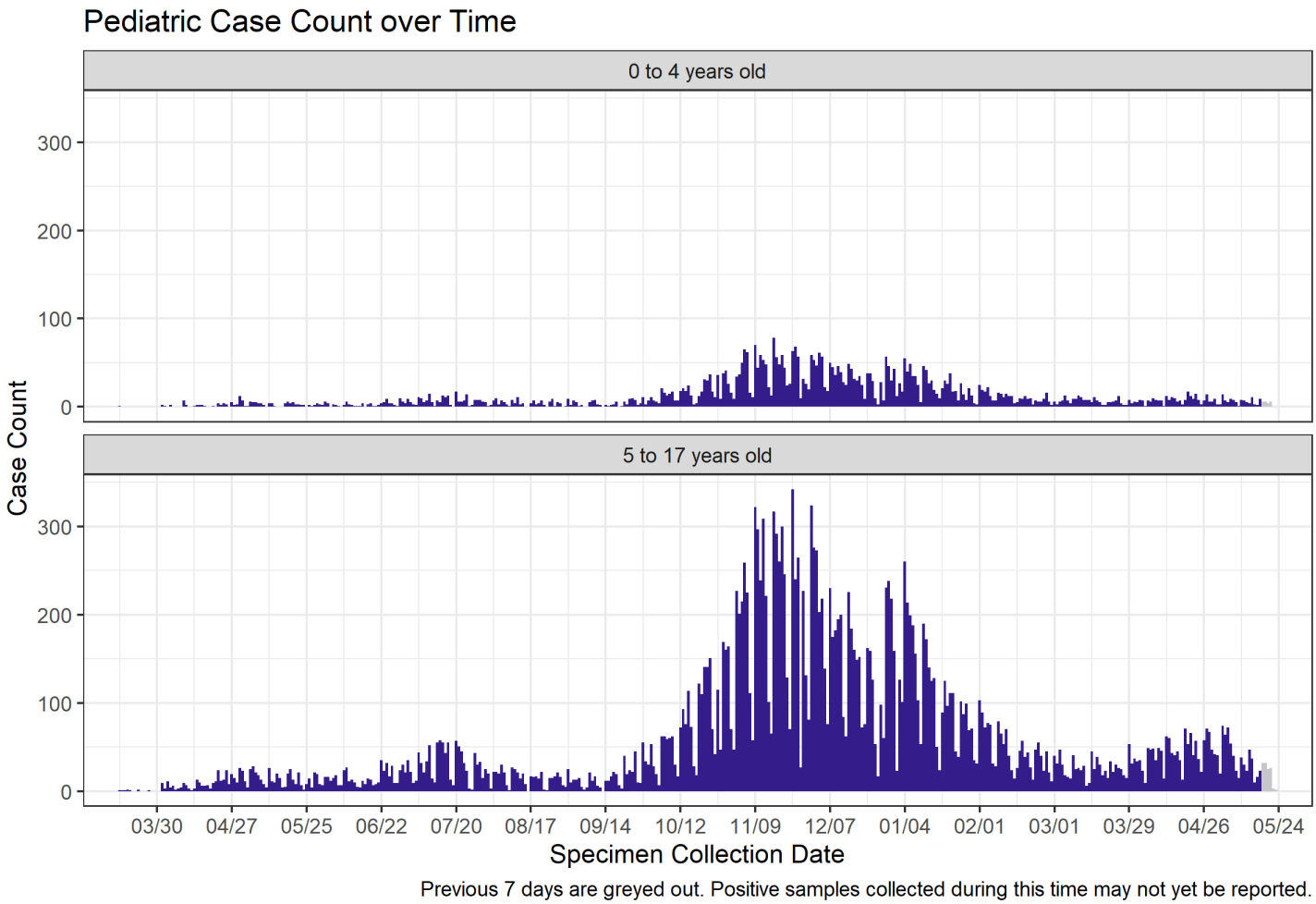
May 24, 2021

Unless stated otherwise, all data reported here exclude cases who are from out-of-state and cases who are detainees in Federal Immigration and Customs Enforcement (ICE) facilities.

Total number of pediatric cases (% of cases that are pediatric)	Number of pediatric cases in the last 7 days (% of cases in the last 7 days that are pediatric)
29404 (14.5%)	219 (20.6%)

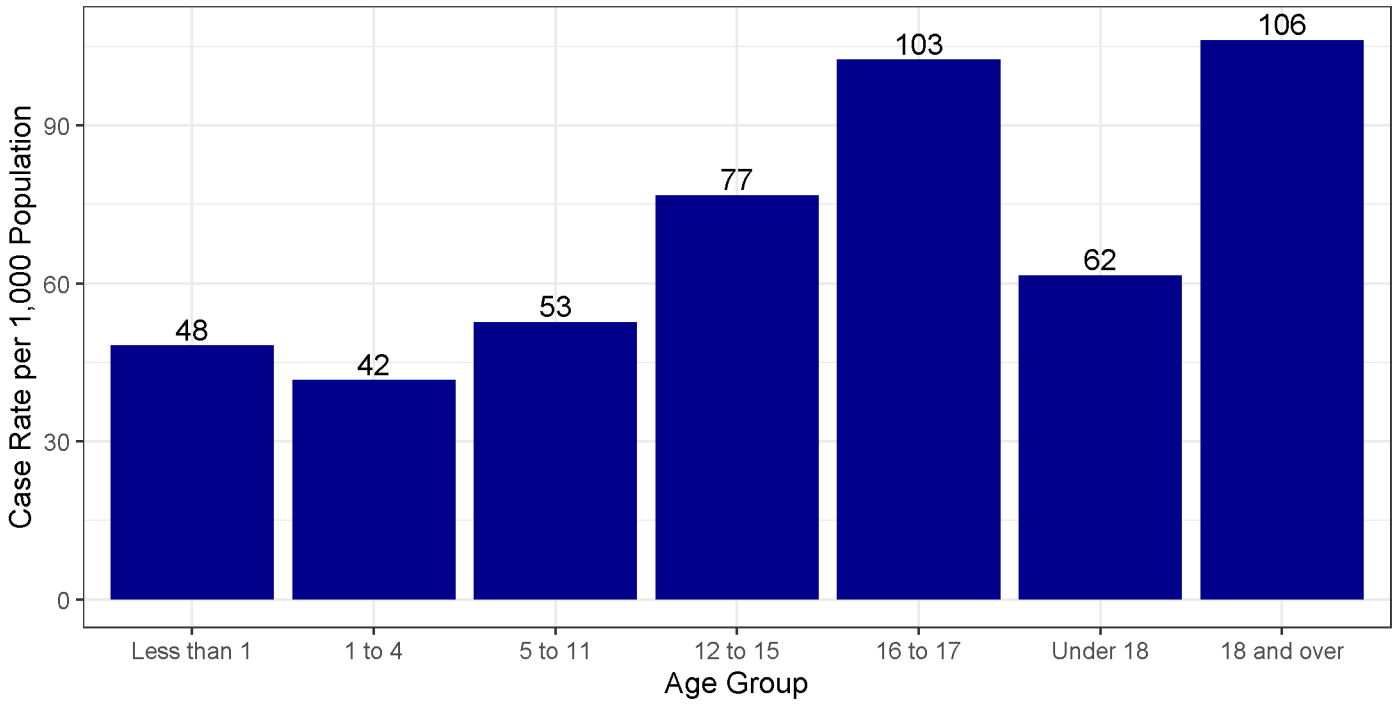
SECTION 1: PEDIATRIC CASE DEMOGRAPHICS

Pediatric case count over time



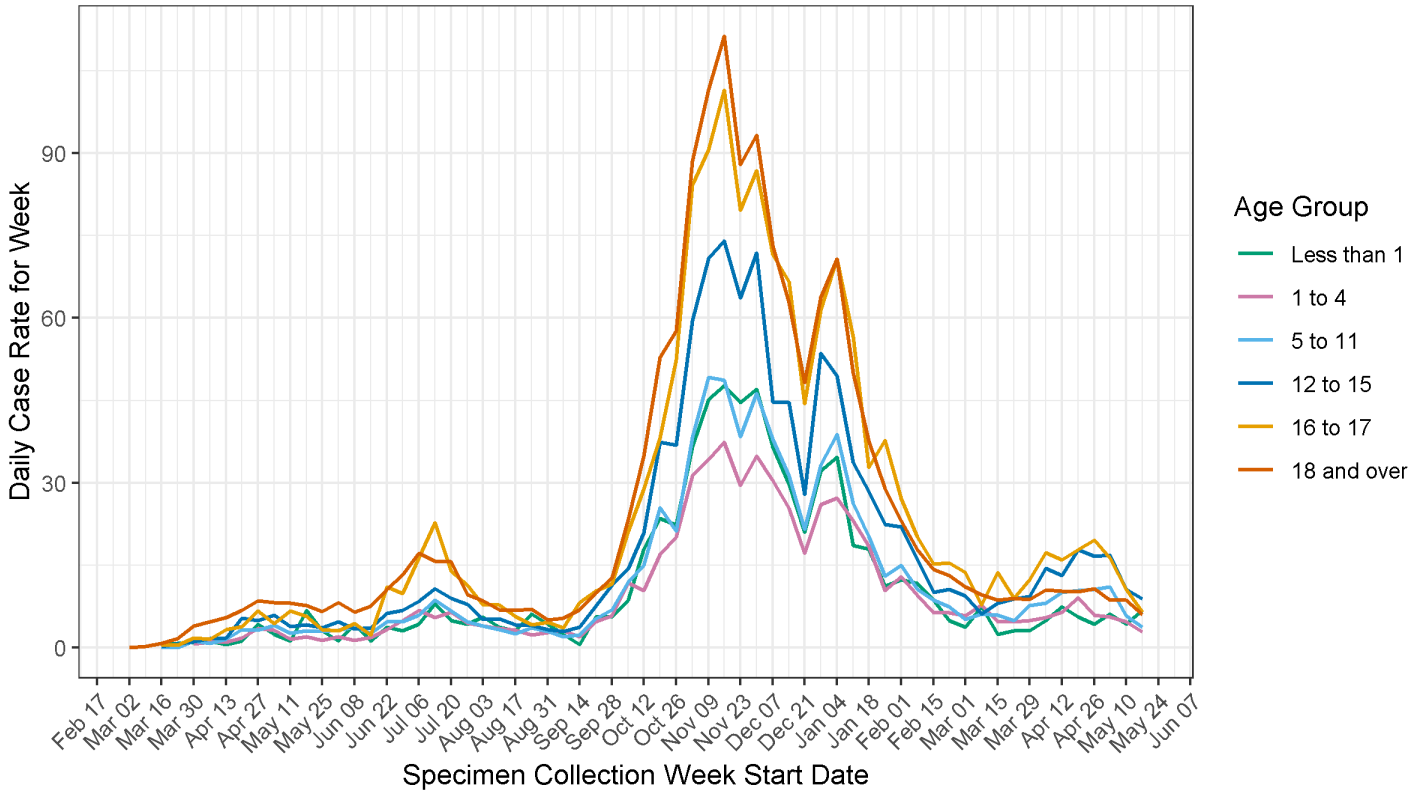
Previous 7 days are greyed out. Positive samples collected during this time may not yet be reported.

Pediatric case rate per 1,000 population by age group



Age Group	Number of Cases	Percent of Cases	Cases per 1,000	Ratio of 18 and Over to Age Group
Less than 1	1113	0.6%	48.2	2.2
1 to 4	4111	2.0%	41.7	2.5
5 to 11	9948	4.9%	52.7	2.0
12 to 15	8561	4.2%	76.8	1.4
16 to 17	5671	2.8%	102.5	1.0
Under 18	29404	14.5%	61.6	1.7
18 and over	172713	85.5%	106.3	1.0

Daily pediatric case rate per 100,000 population by age group

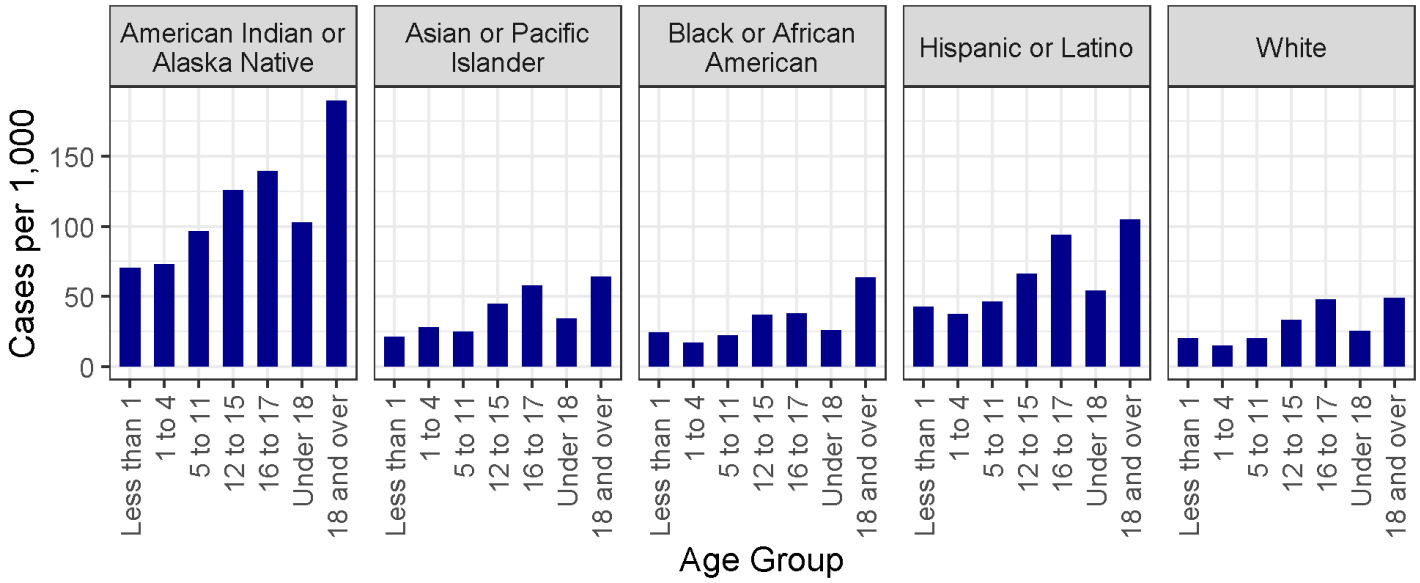


Tests collected in the last ten days may not yet have results. Recent case rates will change as these tests are processed.

Pediatric cases by sex and age

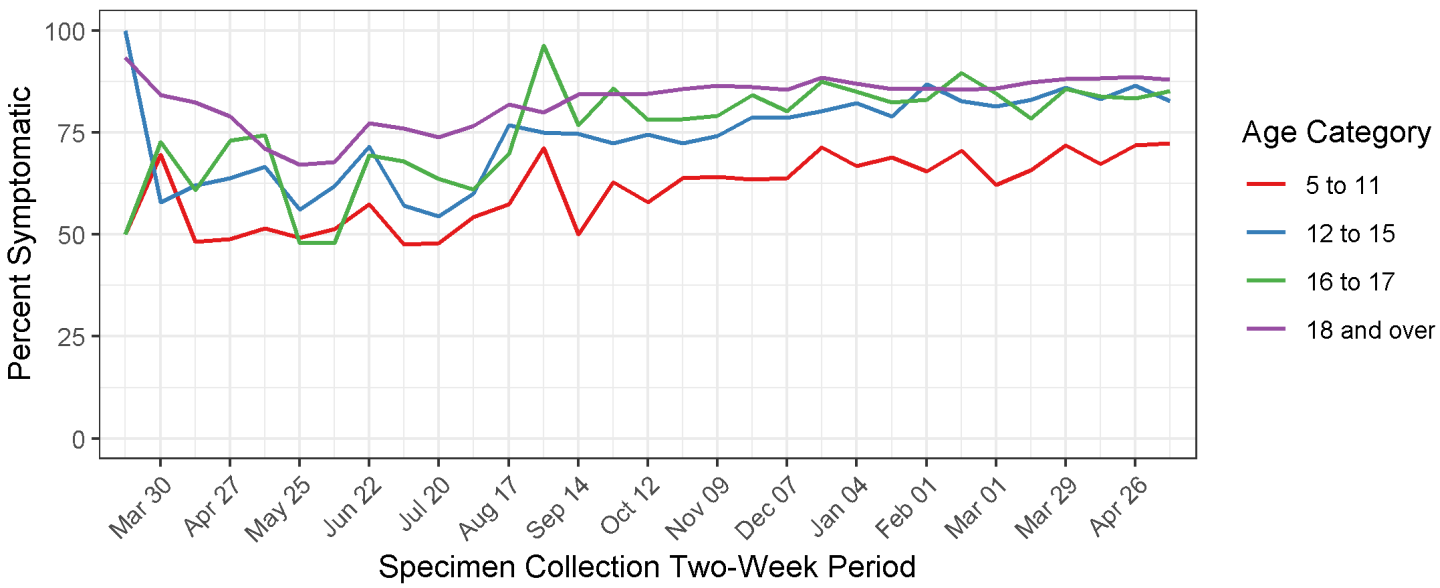
Sex	Age Group	Cases	Percent of Cases within Gender	Cases per 1,000 Population
Female	Less than 1	536	0.5%	47.6
	1 to 4	2008	1.9%	41.6
	5 to 11	4890	4.7%	52.8
	12 to 15	4268	4.1%	77.6
	16 to 17	2993	2.9%	110.0
	Under 18	14695	14.1%	62.7
	18 and over	89180	85.9%	107.7
Male	Less than 1	552	0.6%	46.8
	1 to 4	2048	2.2%	40.7
	5 to 11	4924	5.2%	51.1
	12 to 15	4183	4.4%	74.0
	16 to 17	2618	2.8%	93.1
	Under 18	14325	15.1%	58.9
	18 and over	80727	84.9%	101.2

Rates per 1,000 population of cases by age in each race/ethnicity group



Race	Age Group	Cases	Percent	Rate per 1,000
American Indian or Alaska Native	Less than 1	166	0.5%	70.6
	1 to 4	739	2.3%	73.3
	5 to 11	1983	6.2%	96.8
	12 to 15	1550	4.9%	126.2
	16 to 17	830	2.6%	139.7
	Under 18	5268	16.6%	103.0
	18 and over	26549	83.4%	190.1
Asian or Pacific Islander	Less than 1	7	0.3%	21.5
	1 to 4	38	1.7%	27.8
	5 to 11	64	2.9%	24.8
	12 to 15	72	3.3%	44.9
	16 to 17	50	2.3%	58.1
	Under 18	231	10.6%	34.3
	18 and over	1941	89.4%	64.1
Black or African American	Less than 1	15	0.6%	24.2
	1 to 4	44	1.7%	17.2
	5 to 11	110	4.2%	22.3
	12 to 15	96	3.7%	37.2
	16 to 17	46	1.8%	38.1
	Under 18	311	12.0%	26.1
	18 and over	2279	88.0%	63.8
Hispanic or Latino	Less than 1	587	0.6%	42.6
	1 to 4	2247	2.4%	37.7
	5 to 11	5261	5.6%	46.1
	12 to 15	4468	4.7%	66.2
	16 to 17	3112	3.3%	94.1
	Under 18	15675	16.6%	54.4
	18 and over	78658	83.4%	105.2
White	Less than 1	122	0.3%	20.4
	1 to 4	369	1.0%	14.8
	5 to 11	954	2.6%	20.4
	12 to 15	924	2.6%	33.5
	16 to 17	683	1.9%	48.0
	Under 18	3052	8.5%	25.5
	18 and over	33018	91.5%	49.1

Percent of school-aged pediatric cases with symptoms by age group



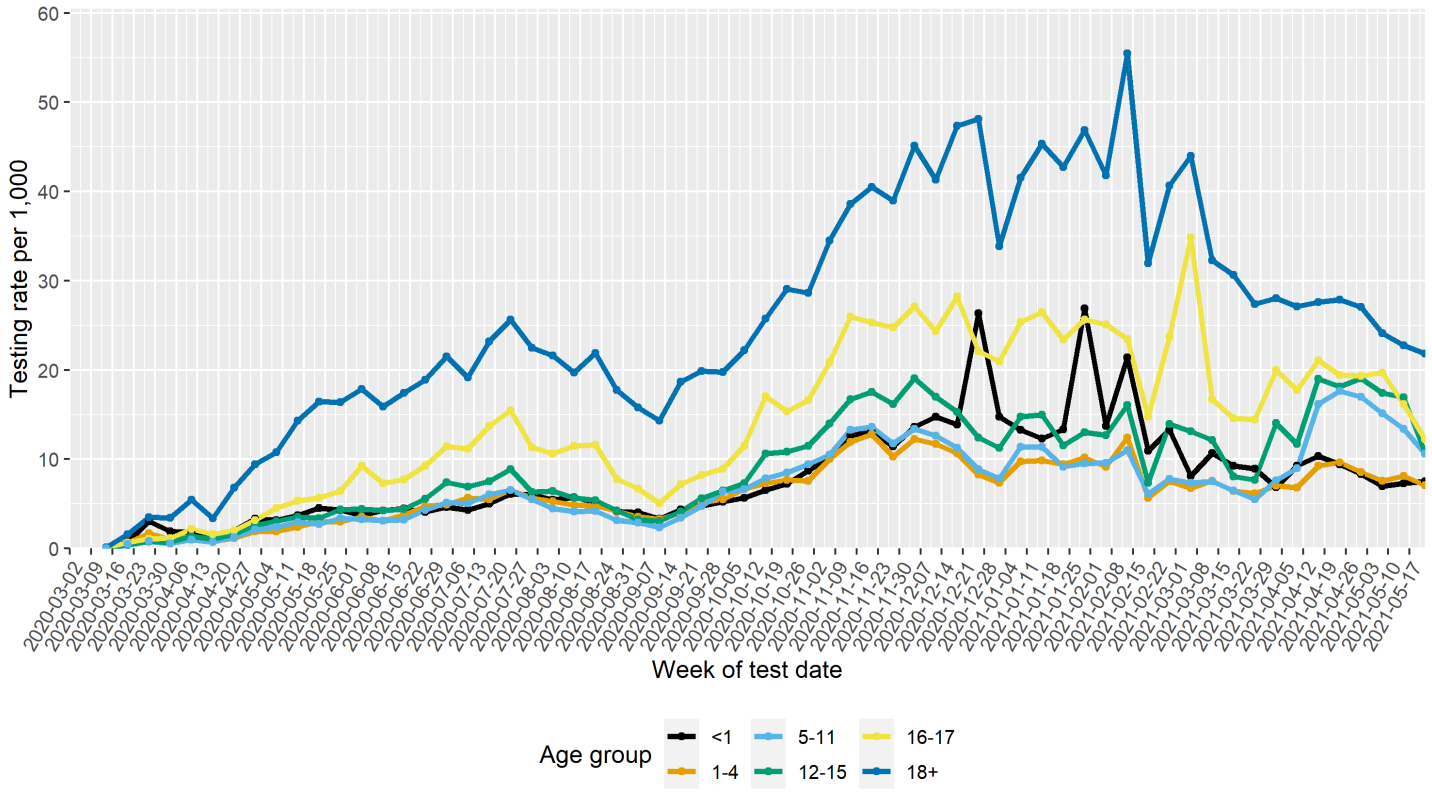
SECTION 2: PEDIATRIC TESTING RATES AND POSITIVITY

Cumulative testing rates per 1,000 population and test positivity by age group

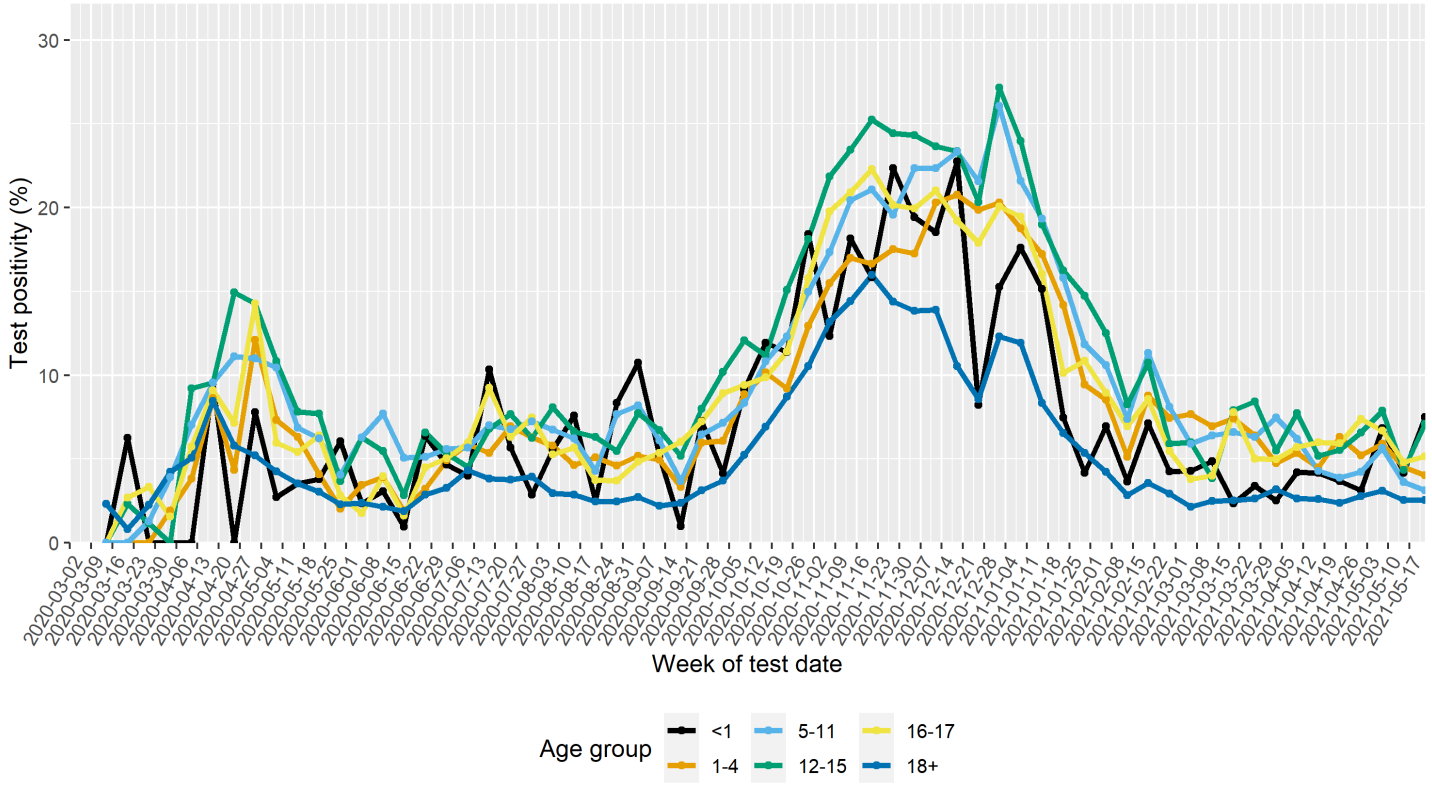
Tests include PCR and antigen

Age Group (years)	Total Number of Cases	Cumulative tests per 1,000 population	Cumulative test positivity (%)
<1	1105	501.6	8.8%
1-4	4112	392.3	9.9%
5-11	9956	441.5	11.1%
12-15	8567	574.9	12.6%
16-17	5664	902.7	10.7%
18+	172539	1604.3	6.2%

Testing rates per 1,000 population by age group by week



Test positivity (%) by age group by week



SECTION 3: PEDIATRIC HOSPITALIZATIONS

Out-of-state pediatric cases were excluded.

Total pediatric hospitalizations	Pediatric hospitalizations in the last week	Total Pediatric deaths
192	3	1

Hospitalization rate per 100,000 population and percentage by age group

It should be noted that due to the small number of hospitalizations of pediatric cases, the hospitalization rates per 100,000 population for these age groups should be interpreted with caution.

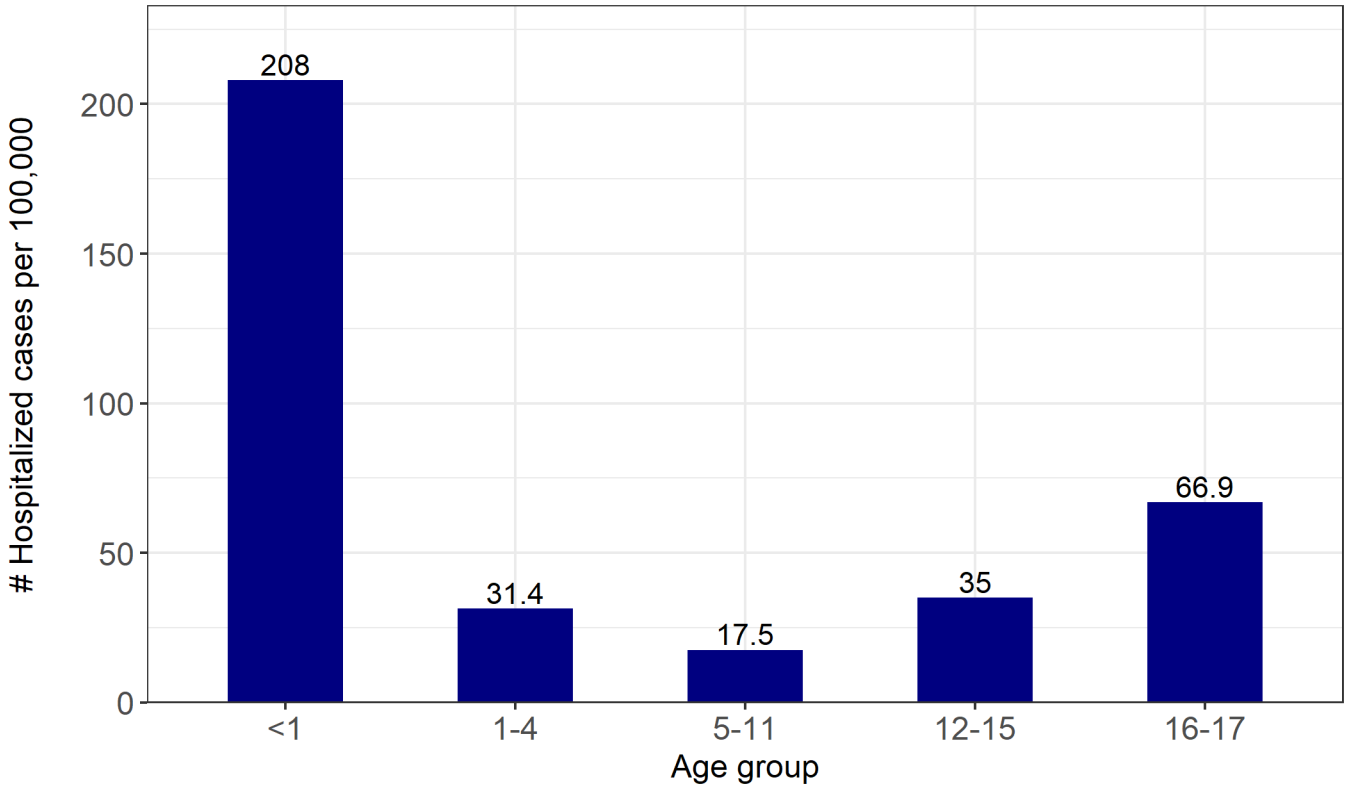


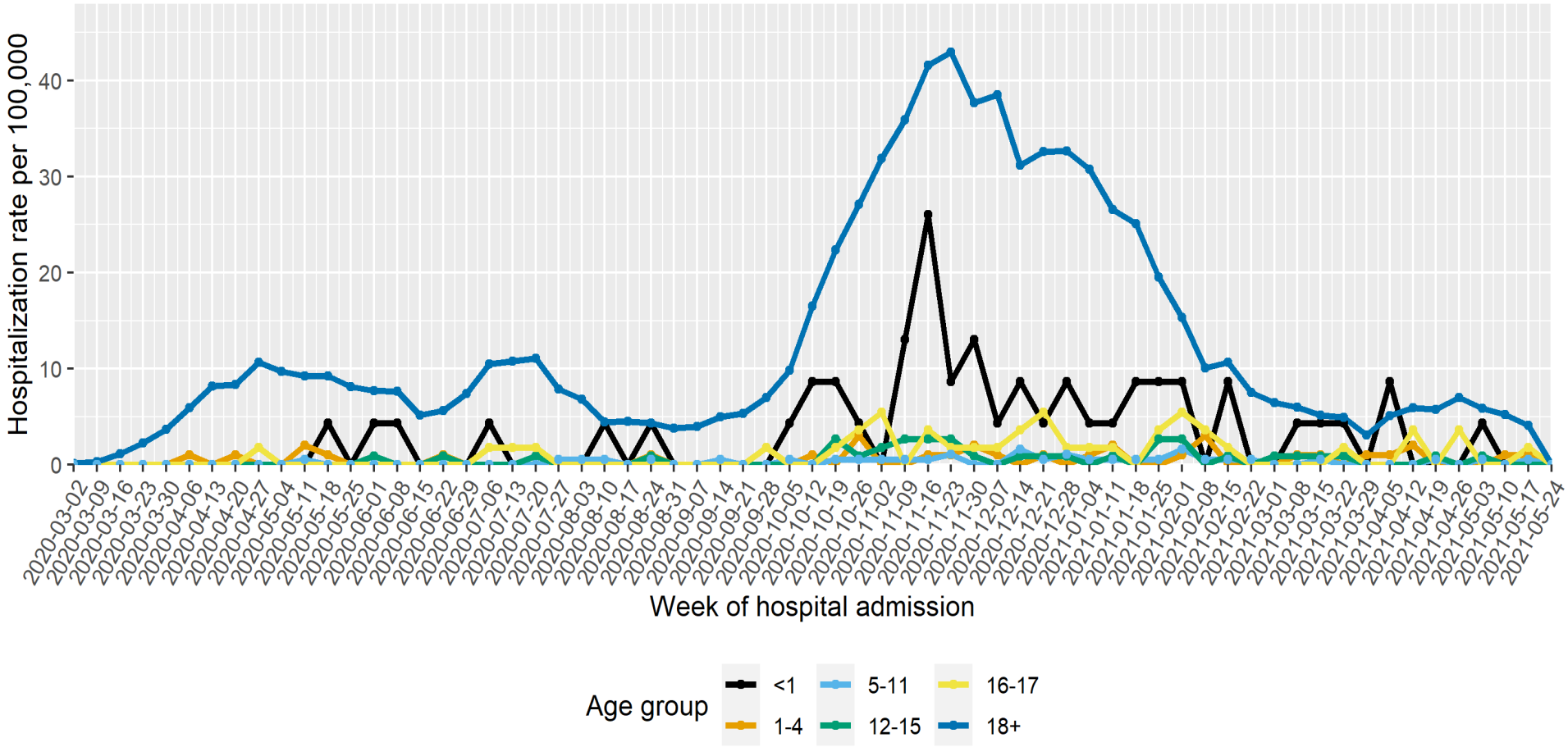
Table 1. Number of hospitalizations, percent of hospitalizations and rate of hospitalization per 100,000 for cases under 18 years old

Age group (years)	Number of hospitalizations	Percent of hospitalizations Under 18 years old	Hospitalization rate per 100,000 population
<1	48	25.0%	208
1-4	33	17.2%	33.5
5-11	34	17.7%	18
12-15	39	20.3%	35
16-17	38	19.8%	68.7

Table 2. Number of hospitalizations, percent of hospitalizations and rate of hospitalization per 100,000 for cases under 18 years old compared to 18 years and over

Age group (years)	Number of hospitalizations	Percent of hospitalizations Under 18 years old	Hospitalization rate per 100,000 population
Under 18	192	1.4%	40.2
18+	13437	98.6%	826.7

Hospitalizations per 100,000 population by age each week

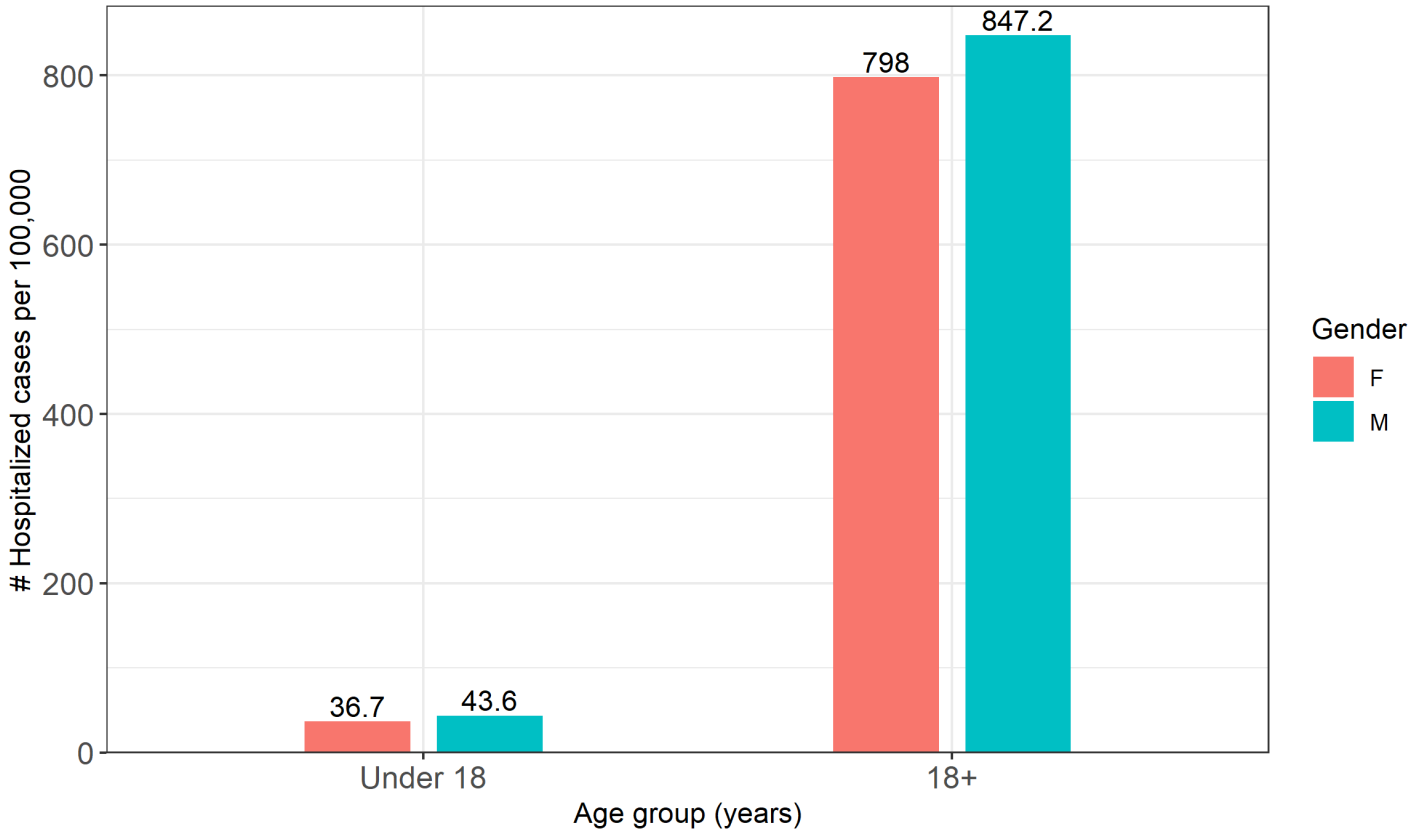


***Finding**: Overall, the hospitalization rates per 100,000 population among the pediatric age groups have remained low. However, since the end of September 2020, hospitalization rates in the less than 1 year old age group have been higher than the 1-4, 12-15, and 16-17 years old age groups. It should be noted that due to the small number of hospitalizations of pediatric cases, the hospitalization rates per 100,000 population for these age groups should be interpreted with caution*

Note: Hospitalizations in the previous week may not yet be reported.

Hospitalization rate per 100,000 population and percentage by sex

***Finding**: The hospitalization rate per 100,000 population is similar between males and females within the Under 18 and over 18 years age groups. It should be noted that due to the small number of hospitalizations of pediatric cases, the hospitalization rates per 100,000 population for these age groups should be interpreted with caution.*

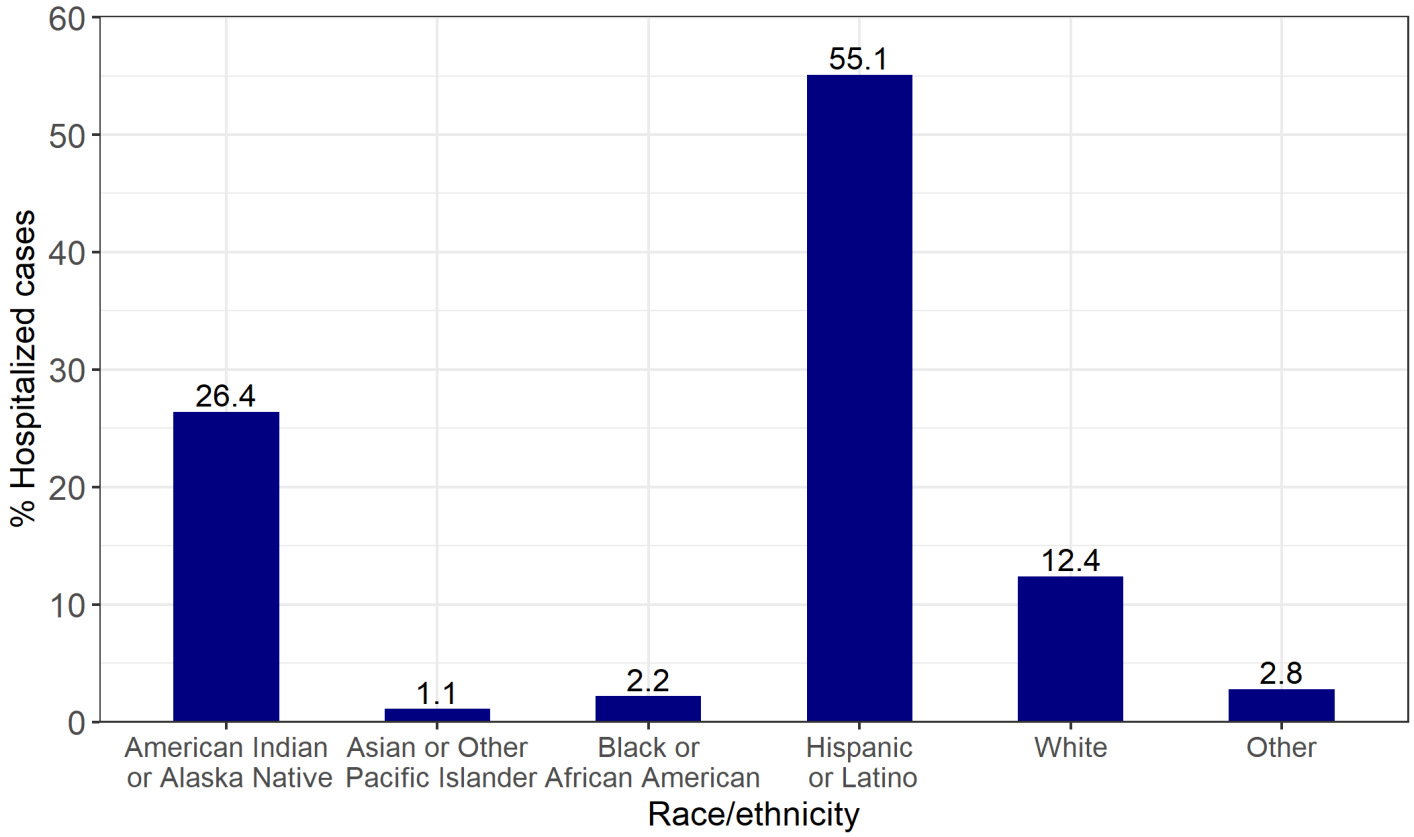


Age group (years)	Sex	Number of hospitalizations	Percent of hospitalizations within age group	Hospitalization rate per 100,000
Under 18	Female	86	44.8%	36.7
	Male	106	55.2%	43.6
18+	Female	6606	49.4%	798
	Male	6756	50.6%	847.2

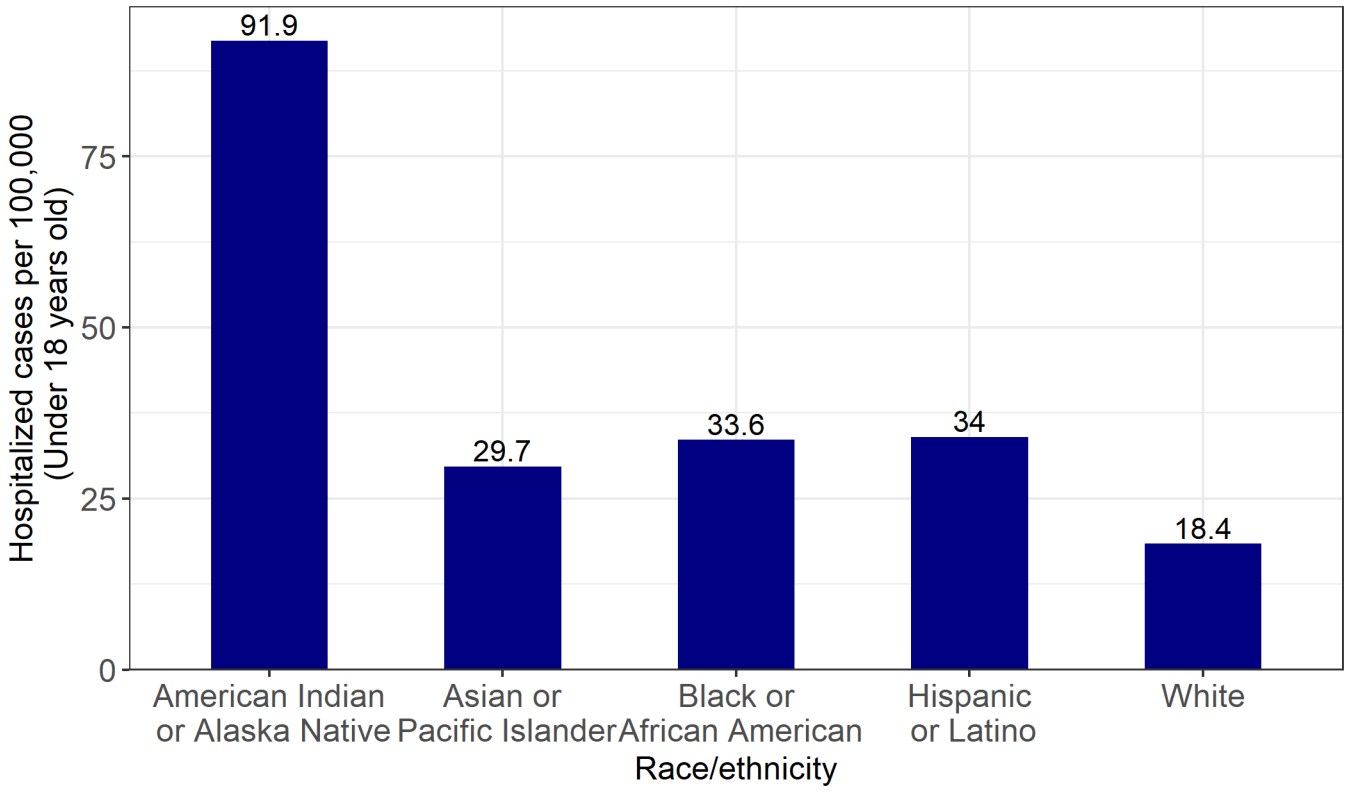
Note: 130 cases were excluded due to missing or unknown sex information.

Hospitalization rate per 100,000 population and percentage by race/ethnicity

***Finding**: In the Under 18 years old age group, the hospitalization rate per 100,000 population is the highest in American Indian or Alaska Native children at 91.9 followed by Hispanic or Latino at 34.0. However, Hispanic or Latino children make up 55.1% of the total number of pediatric cases hospitalized, followed by American Indian or Alaska Native children, at 26.4%. It should be noted that due to the small number of hospitalizations of pediatric cases, the hospitalization rates per 100,000 population for these age groups should be interpreted with caution.*



Note: For Under 18 years age group, 13 cases had missing race/ethnicity information and were excluded. 6 cases "Refused to answer" or answered "Other" and were also excluded.



Age group (years)	Race/ethnicity	Number of hospitalizations	Percent of hospitalizations within age group	Hospitalization rate per 100,000 population
Under 18	**American Indian or Alaska Native**	47	26.4%	91.9
	Asian	2	1.1%	29.7
	Black or African American	4	2.2%	33.6
	Hispanic or Latino	98	55.1%	34.0
	White	22	12.4%	18.4
18+	**American Indian or Alaska Native**	4147	32.5%	2969.6
	Asian	151	1.2%	498.6
	Black or African American	154	1.2%	431.0
	Hispanic or Latino	5324	41.7%	711.9
	White	2816	22.1%	419.2

Notes:

- For Under 18 years age group, 13 cases had missing race/ethnicity information and were excluded. 6 cases “Refused to answer” or answered “Other” and were also excluded.
- For the “18+” years age group, 650 had missing race/ethnicity information and were excluded. 195 cases “Refused to answer” or answered “Other” and were also excluded.
- Rates for Native Hawaiian or Other Pacific Islanders and “Other” are excluded, as there are no population estimates for these populations.

Multisystem Inflammatory Syndrome in Children (MIS-C) associated with COVID-19

Total confirmed MIS-C cases
23

Case Definition for Multisystem Inflammatory Syndrome in Children (MIS-C)

- An individual aged <21 years presenting with fever[i], laboratory evidence of inflammation[ii], and evidence of clinically severe illness requiring hospitalization, with multisystem (≥2) organ involvement (cardiac, renal, respiratory, hematologic, gastrointestinal, dermatologic or neurological); **AND**
- No alternative plausible diagnoses; **AND**
- Positive for current or recent SARS-CoV-2 infection by RT-PCR, serology, or antigen test; or COVID-19 exposure within the 4 weeks prior to the onset of symptoms

[i]Fever ≥38.0°C for ≥24 hours, or report of subjective fever lasting ≥24 hours
[ii]Including, but not limited to, one or more of the following: an elevated C-reactive protein (CRP), erythrocyte sedimentation rate (ESR), fibrinogen, procalcitonin, d-dimer, ferritin, lactic acid dehydrogenase (LDH), or interleukin 6 (IL-6), elevated neutrophils, reduced lymphocytes and low albumin

Additional comments

- Some individuals may fulfill full or partial criteria for Kawasaki disease but should be reported if they meet the case definition for MIS-C
- Consider MIS-C in any pediatric death with evidence of SARS-CoV-2 infection

Source: CDC Health Alert Network, 5/24/2020

Data Sources

- **COVID-19 data**
  - **New Mexico Electronic Disease Surveillance System (NM-EDSS)**, Infectious Disease Epidemiology Bureau, Epidemiology and Response Division, New Mexico Department of Health.
  - **Salesforce/MTX COVID-19 Case Investigation Platform.**
- **Population Estimates:** University of New Mexico, Geospatial and Population Studies (GPS) Program.

Data Notes

- **The data reported in this weekly update may not match the daily numbers that are reported in the New Mexico Department of Health (NMDOH) press releases and/or the NMDOH COVID-19 data dashboard. This may be due to variation in the date and time of data extraction from NM-EDSS, corrections after quality assurance review, and differences in the exclusion criteria.**

- **New Mexico Electronic Disease Surveillance System (NM-EDSS).** Disease incidence data are derived from reports of notifiable infectious diseases. NMDOH relies on health care providers, laboratories, hospitals, clinics, institutions and individuals to report suspected and confirmed notifiable infectious diseases in accordance with New Mexico Administrative Code 7.4.3.13. Under-reporting can occur due to of lack of awareness about reporting requirements or lack of compliance with those requirements. Not all cases of infectious diseases can be detected for various reasons including lack of access to health care services, lack of laboratory testing or concerns about confidentiality. Specific and standardized national case definitions are used to classify disease reports by case status.

- **New Mexico Population Estimates.** All population estimates apply to July 1 of 2019. Estimates include decimal fractions. The sum of population subgroup estimates may not exactly equal the overall state population estimate due to rounding error. Population estimates for previous years are occasionally revised as new information becomes available. When publishing trend data, always be sure that your rates for earlier years match current rates on NM-IBIS that have been calculated with the most up-to-date population estimates.

- **Race/Ethnicity.** Race/Ethnicity are reported as a single variable according to the selection of the case. Any case who is Hispanic is in the Hispanic category and all other races are non-Hispanic.

- **Gender** refers to a person's internal sense of being male, female, some combination of male and female, or neither male nor female. **Sex** refers to the biological anatomy of an individual's reproductive system, and secondary sex characteristics.

- **Case rate per 100,000 population**. A basic measure of disease-specific case frequency is a rate, which takes into account the number of cases and the population size. It is helpful in making public health decisions for a given population, relative to another population regardless of size.