

# Children and COVID-19: State Data Report

A joint report from the American Academy of Pediatrics and the Children's Hospital Association

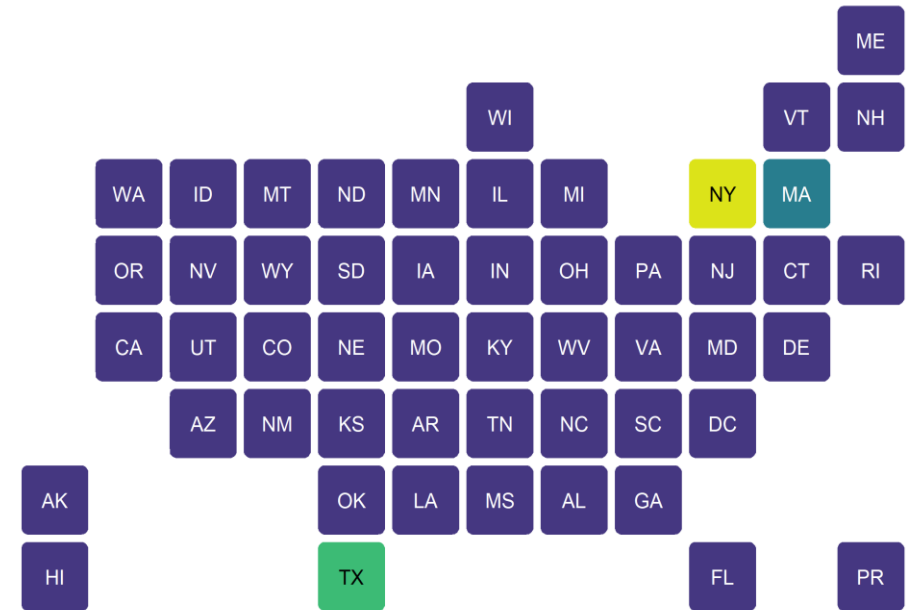
Summary of publicly reported data from 49 states, NYC, DC, PR, and GU

**Version: 5/6/21**

# COVID-19: Available Data for Children

- State-level reports are the best publicly available data on COVID-19 cases in children
- This report summarizes what was available on 5/6/21
- **49 states, NYC, DC, Puerto Rico and Guam** provided age distributions of reported COVID-19 cases
  - 11 states provided age distribution of testing
  - 24 states and NYC provided age distribution of hospitalizations
  - 43 states, NYC, PR and Guam provided age distribution of deaths

**Fig 1A: States Reporting Age Distribution of COVID-19 Cases as of 5/6/21**



**Reporting age distribution of COVID-19 cases:**

- Yes: Reported age distribution of cases
- TX: Reported age distribution for only 3% of cases
- NY: Only NYC reported age distribution of cases
- MA: Only reported age distribution of cases added in past 2 weeks

See detail in Appendix: Data from 49 states, NYC, DC, PR, and GU  
 Analysis by American Academy of Pediatrics and Children's Hospital Association  
 All data reported by state/local health departments are preliminary and subject to change

# Children and COVID-19: Data Limitations

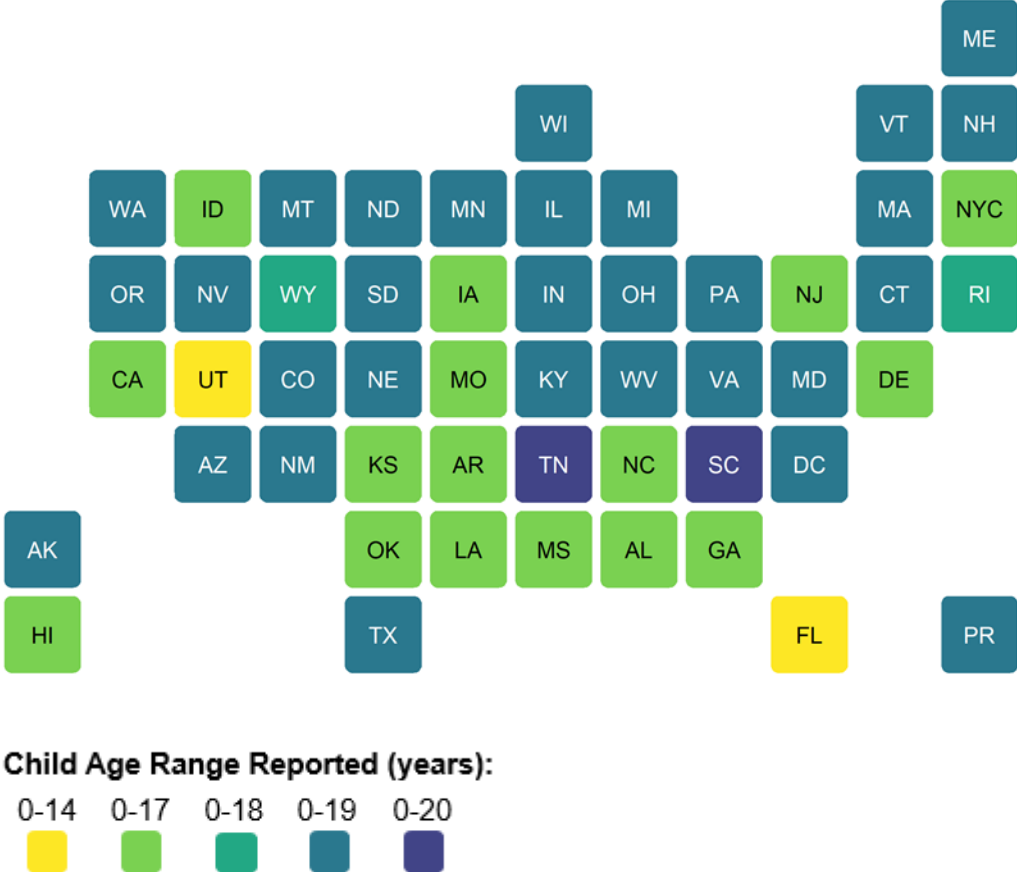
## General Limitations

- Format, content, and metrics of reported COVID-19 data differed substantially by state
- Definition of “child”: Age ranges reported for children varied by state (0-14, 0-17, 0-18, 0-19, and 0-20 years; see Fig 1B)
- Unknown: Number of children infected but not tested and confirmed

## State-Level Limitations

- TX: Age distribution reported for only 3% of confirmed cases (78,614/2,480,166), resulting in an undercount of child cases; TX is excluded from some figures
- NY: Did not provide age distribution for state-wide cases (NYC only)
- AL: As of 8/13/20, changed definition of child case from 0-24 to 0-17 years; as of 9/17/20, provided age distribution for confirmed cases only
- HI: As of 8/27/20, changed definition of child case from 0-19 to 0-17 years
- MA: As of 9/3/20, revised definition of probable case, leading to a reduction in total case count; reported age distribution of cases added in last two weeks but not for total cases to date
- RI: As of 9/10/20, changed definition of child case from 0-19 to 0-18 years
- MO: As of 10/1/20, changed definition of child cases from 0-19 to 0-17 years
- PR: As of 3/11/21, due to a change in data available, a calculation was required to obtain confirmed and probable child case totals, leading to a reduction in total child case count

**Fig 1B: Child Age Ranges of COVID-19 Cases Reported by States as of 5/6/21**



# Children and COVID-19: 5/6/21

## Summary of State-Level Data Provided in this Report

Detail and links to state/local data sources provided in Appendix

### Cumulative Number of Child COVID-19 Cases\*

- 3,854,791 total child COVID-19 cases reported, and children represented 14.0% (3,854,791/27,621,153) of all cases
- Overall rate: 5,122 cases per 100,000 children in the population

### Change in Child COVID-19 Cases\*

- 72,067 new child COVID-19 cases were reported the past week from 4/29/21-5/6/21 (3,782,724 to 3,854,791) and children represented 24.0% (72,067/300,445) of the new weekly cases
- Over two weeks, 4/22/21-5/6/21, there was a 4% increase in the cumulated number of child COVID-19 cases (143,716 new cases (3,711,075 to 3,854,791))

### Testing (11 states reported)\*

- Children made up between 6.0%-19.3% of total state tests, and between 5.3%-33.7% of children tested were tested positive

### Hospitalizations (24 states and NYC reported)\*

- Children were 1.2%-3.1% of total reported hospitalizations, and between 0.1%-1.9% of all child COVID-19 cases resulted in hospitalization

### Mortality (43 states, NYC, PR and GU reported)\*

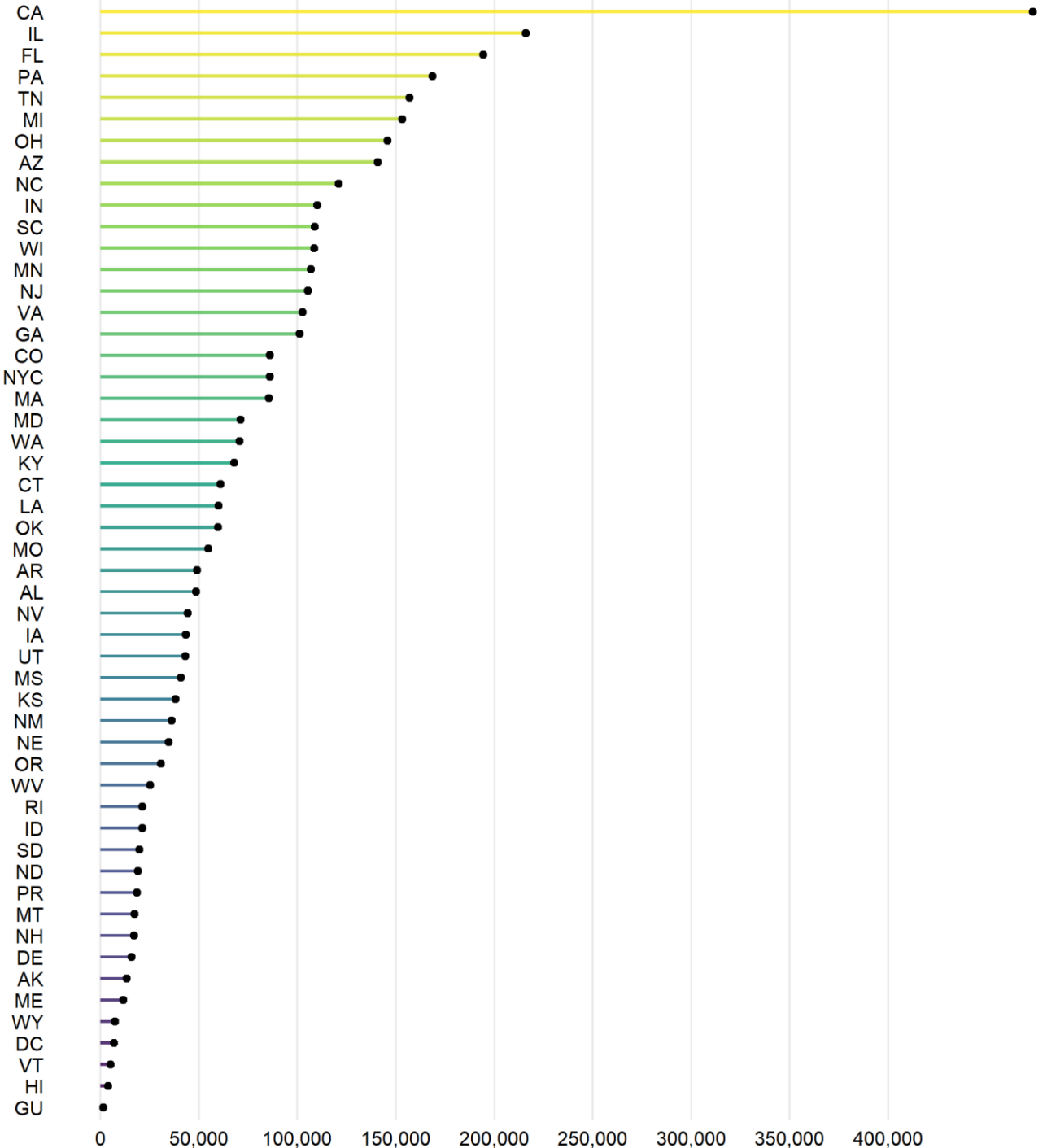
- Children were 0.00%-0.21% of all COVID-19 deaths, and 9 states reported zero child deaths
- In states reporting, 0.00%-0.03% of all child COVID-19 cases resulted in death

*See detail in Appendix: Data from 49 states, NYC, DC, PR, and GU; Analysis by American Academy of Pediatrics and Children's Hospital Association*

*\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change*

Fig 2. Cumulative Number of Child COVID-19 Cases: 5/6/21

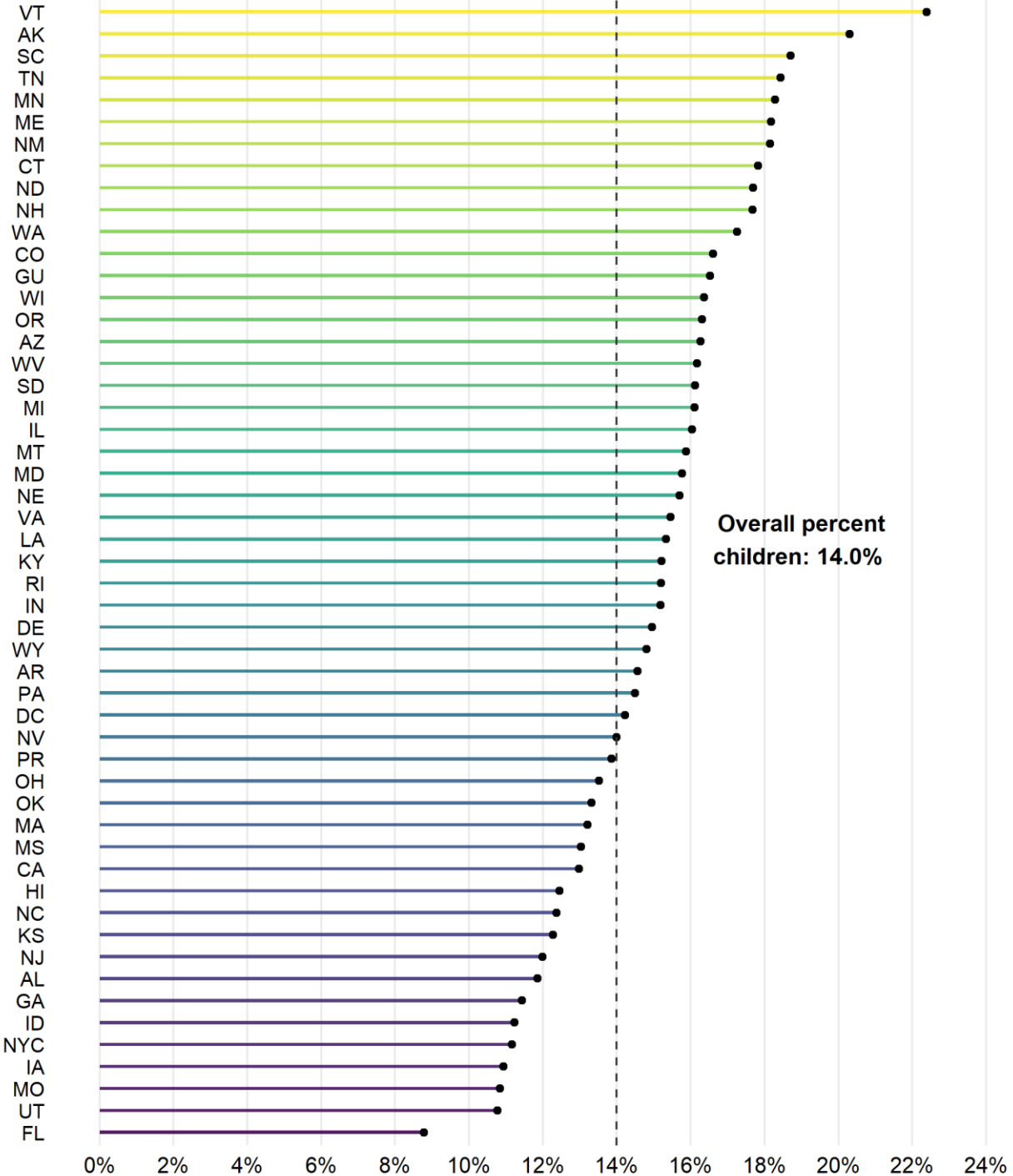
- 3,854,791 total child COVID-19 cases (cumulative)
- Sixteen states reported 100,000+ child cases
- Four states reported fewer than 10,000 child cases



See detail in Appendix: Data from 48 states, NYC, DC, PR, and GU (TX excluded from figure)  
All data reported by state/local health departments are preliminary and subject to change  
Analysis by American Academy of Pediatrics and Children's Hospital Association

# Fig 3. Percent of Cumulative COVID-19 Cases that were Children: 5/6/21

- Children represented 14.0% (3,854,791/27,621,153) of all available cases
- Seven states reported 18% or more of cases were children



See detail in Appendix: Data from 48 states, NYC, DC, PR, and GU (TX excluded from figure)  
All data reported by state/local health departments are preliminary and subject to change  
Analysis by American Academy of Pediatrics and Children's Hospital Association

## Fig 4. Cumulative COVID-19 Cases per 100,000 Children: 5/6/21

- Calculated using state-level population estimates from US Census Bureau (2019)\*
- Overall rate: 5,122 child COVID-19 cases per 100,000 children in the population
- Eleven states reported more than 7,000 cases per 100,000

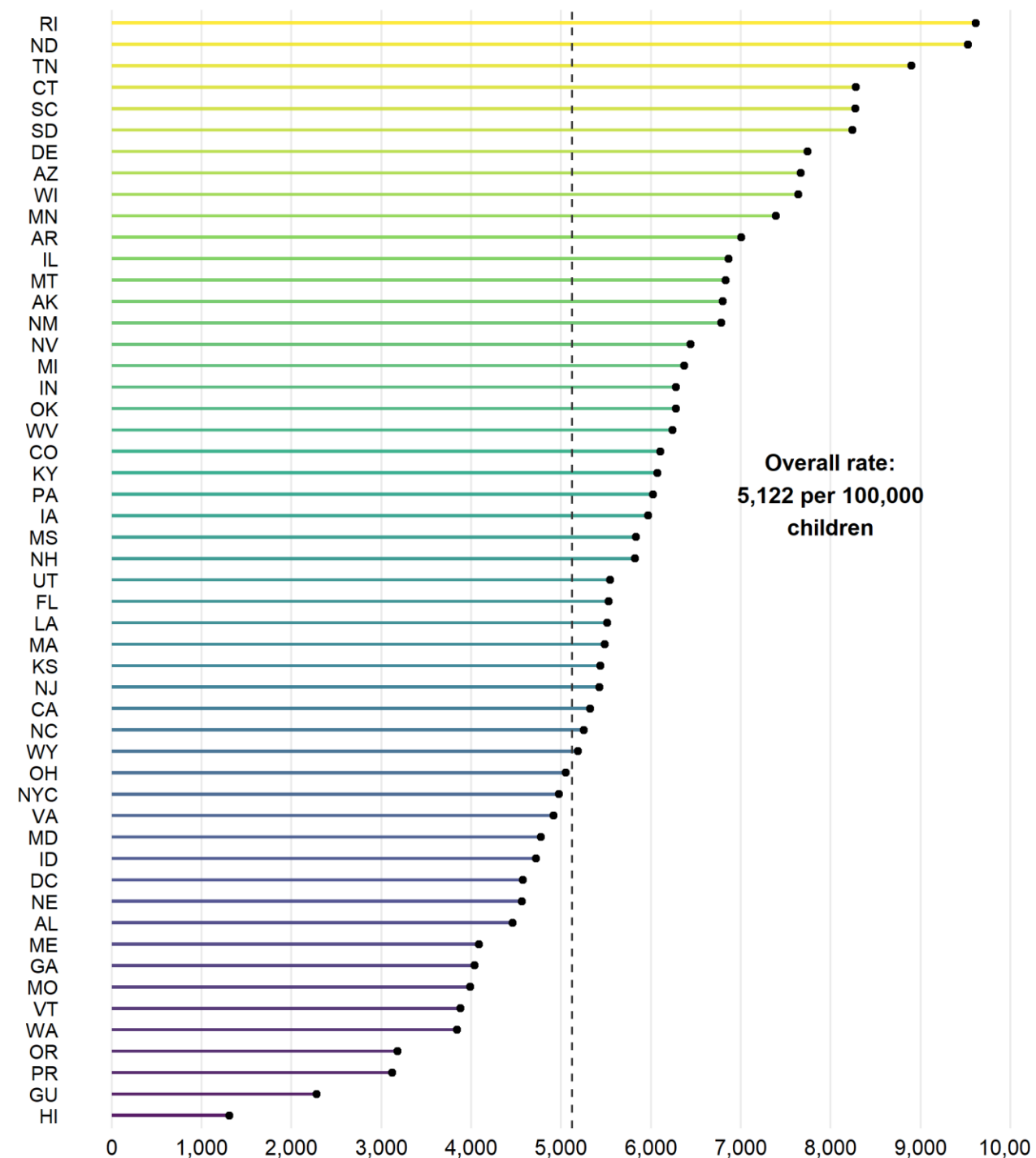
See detail in Appendix: Data from 48 states, NYC, DC, PR, and GU (TX excluded from figure)

All data reported by state/local health departments are preliminary and subject to change

Analysis by American Academy of Pediatrics and Children's Hospital Association

\* Source: US Census Bureau, State Population by Characteristics: 2010-2019,

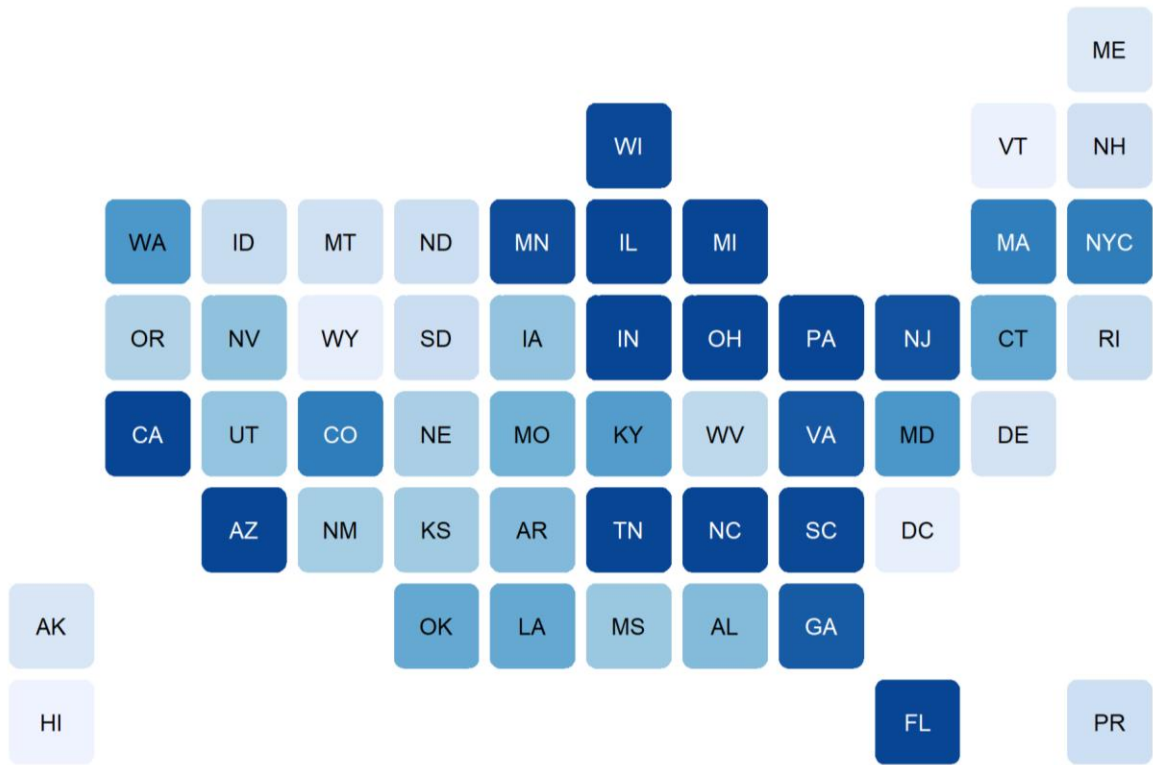
<https://www.census.gov/data/tables/time-series/demo/popest/2010s-state-detail.html>



# Fig 5. Cumulative Child COVID-19 Cases and Percent Increase in Child Cases

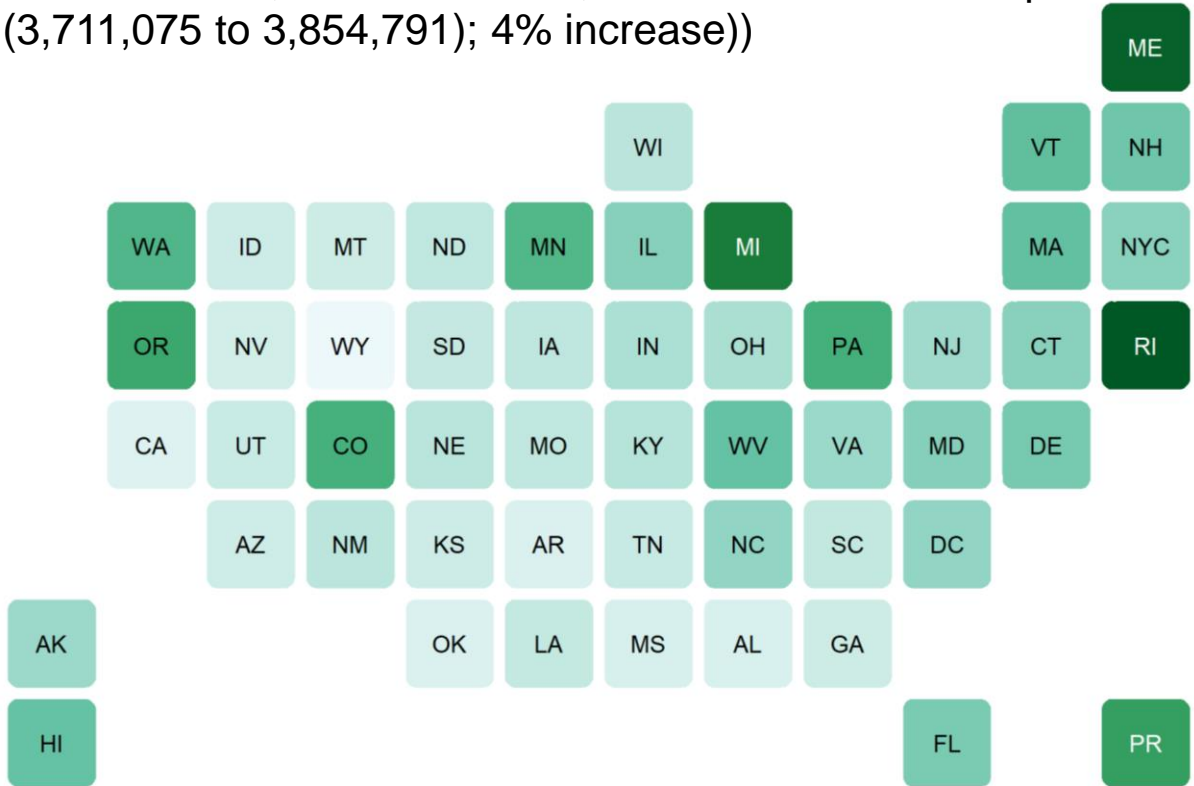
## A. Cumulative Child COVID-19 Cases, 5/6/21

16 states with 100,000+ cumulative child cases

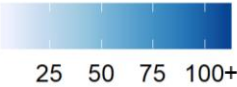


## B. Percent Increase in Child Cases, 4/22/21-5/6/21\*

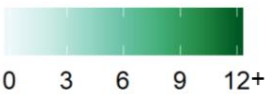
From 4/22-5/6, there were 143,716 new child cases reported (3,711,075 to 3,854,791); 4% increase))



Cumulative child COVID-19 cases (thousands)



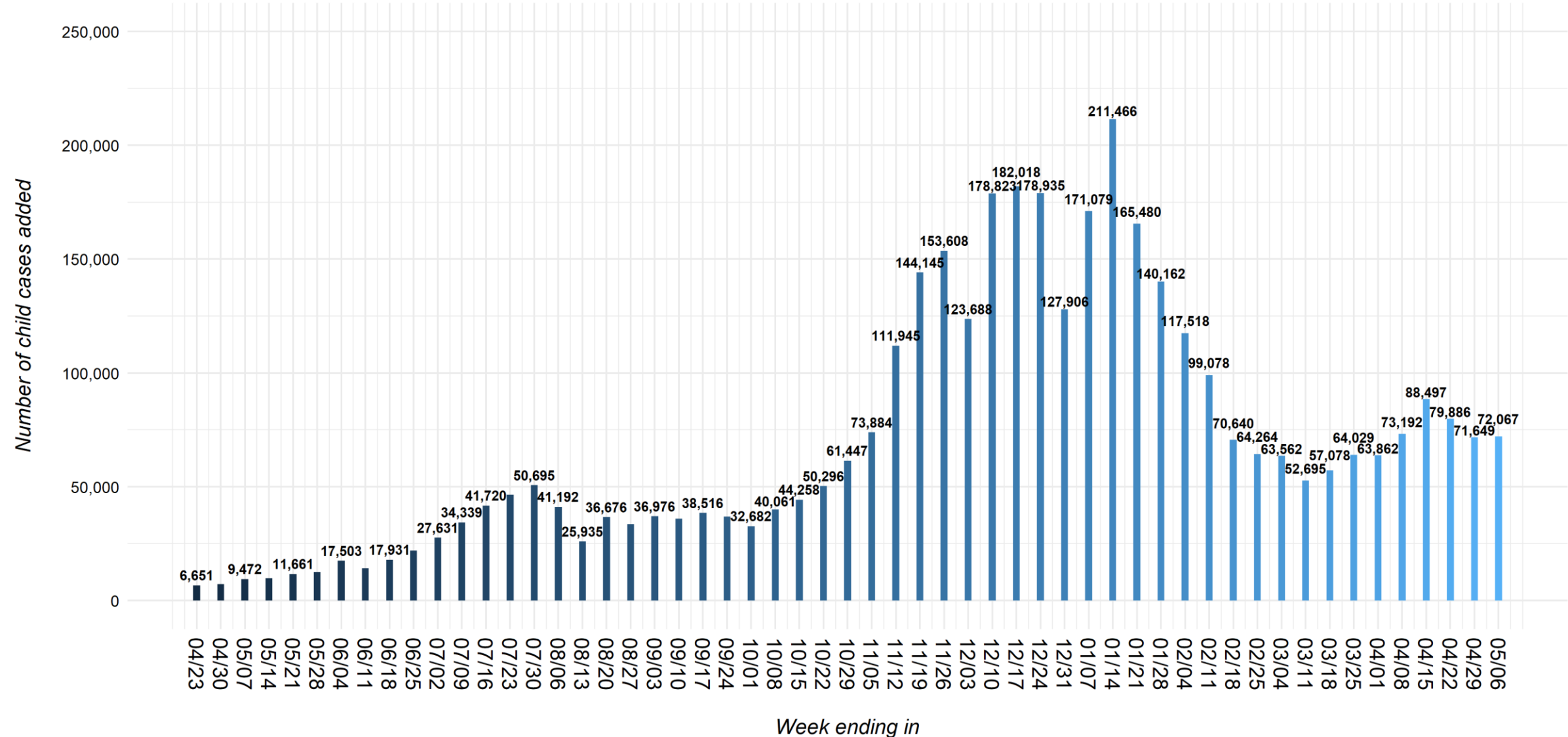
Percent increase



\* Note: As of 5/6/21, due to data revision and lag in reporting, RI experienced 30% increase in child cases  
See detail in Appendix: Data from 48 states, NYC, DC, and PR (TX excluded from figures);  
All data reported by state/local health departments are preliminary and subject to change; Analysis by American Academy of Pediatrics and Children's Hospital Association

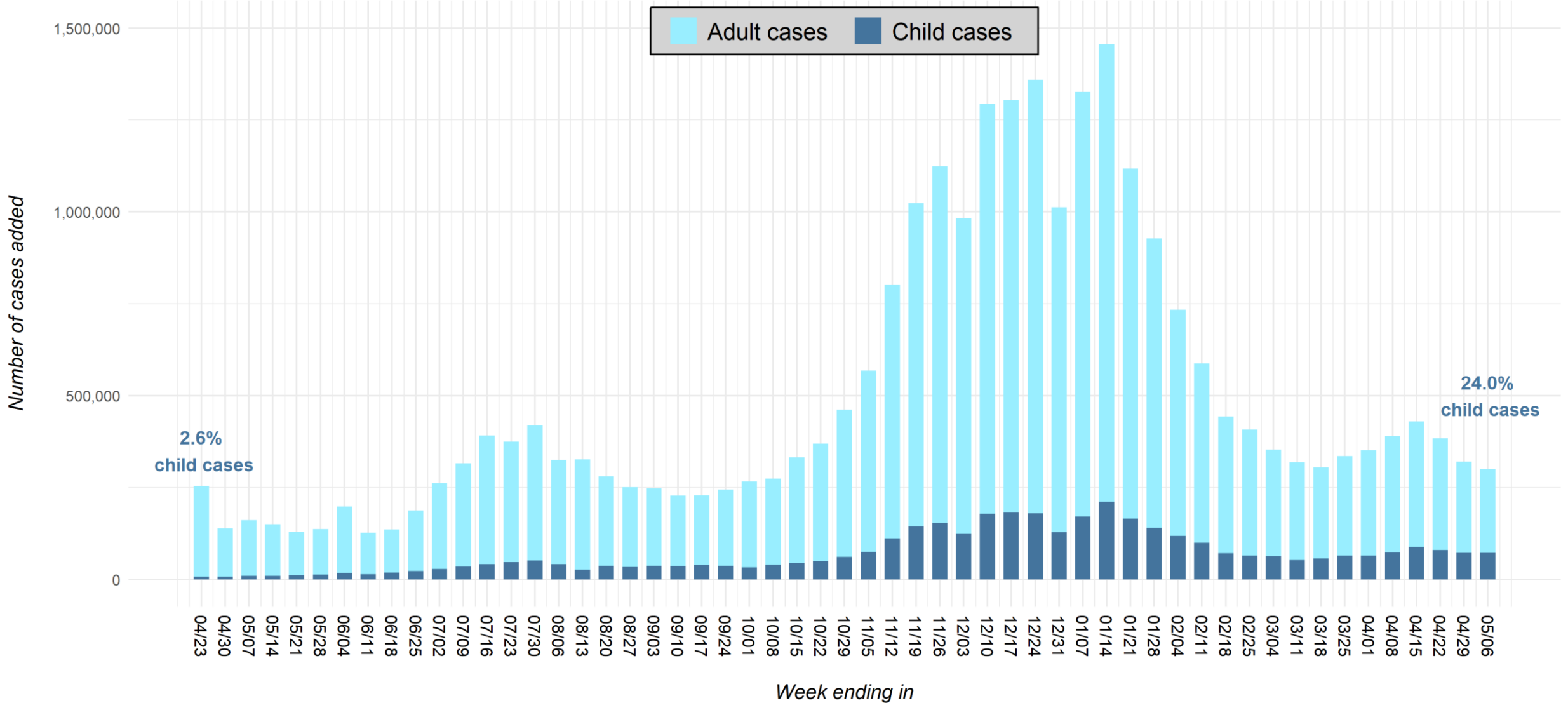


Fig 6. United States: Number of Child COVID-19 Cases Added in Past Week\*



\* Note: 4 states changed their definition of child cases: AL as of 8/13/20, HI as of 8/27/20, RI as of 9/10/20, MO as of 10/1/20; TX reported age for only a small proportion of total cases each week (eg, 3-20%); As of 5/6/21, due to data revision and lag in reporting, RI experienced 30% increase in child cases (4,906 cases added) See detail in Appendix: Data from 49 states, NYC, DC, PR and GU All data reported by state/local health departments are preliminary and subject to change; Analysis by American Academy of Pediatrics and Children's Hospital Association

Fig 7. United States: Number of COVID-19 Cases Added in Past Week for Children and Adults\*



\* Note: 4 states changed their definition of child cases: AL as of 8/13/20; HI as of 8/27/20; RI as of 9/10/20; MO as of 10/1/20; TX reported age for only a small proportion of total cases each week (eg, 3-20%)  
See detail in Appendix: Data from 49 states, NYC, DC, PR and GU  
All data reported by state/local health departments are preliminary and subject to change; Analysis by American Academy of Pediatrics and Children's Hospital Association

## Appendix Table 1: Case Data Available on 5/6/21

Summary data across the 49 states, NYC, DC, PR, and GU that provided age distribution of reported COVID-19 cases\*

Child population, 2019	Cumulative total cases (all ages)	Cumulative child cases	Cumulative percent children of total cases	Cases per 100,000 children
75,266,842	27,621,153	3,854,791	14.0%	5,121.5

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

## Appendix Table 2A: Summary of Child Case Data from 4/16/20 – 5/6/21\*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases^	Percent children of total cases	Cases per 100,000 children
5/6/21	49 states, NYC, DC, PR and GU <sup>○</sup>	27,621,153	3,854,791	14.0%	5121.5
4/29/21	49 states, NYC, DC, PR and GU <sup>○</sup> ~	27,320,708	3,782,724	13.8%	5025.8
4/22/21	49 states, NYC, DC, PR and GU	27,001,107	3,711,075	13.7%	4930.6
4/15/21	49 states, NYC, DC, PR, and GU	26,617,913	3,631,189	13.6%	4824.4
4/8/21	49 states, NYC, DC, PR, and GU	26,188,186	3,542,692	13.5%	4706.8
4/1/21	49 states, NYC, DC, PR, and GU <sup>○</sup>	25,798,537	3,469,500	13.4%	4609.6
3/25/21	49 states, NYC, DC, PR, and GU	25,446,361	3,405,638	13.4%	4524.8
3/18/21	49 states, NYC, DC, PR, and GU	25,111,012	3,341,608	13.3%	4439.7
3/11/21	49 states, NYC, DC, PR, and GU <sup># □</sup>	24,806,402	3,284,531	13.2%	4363.8
3/4/21	49 states, NYC, DC, PR, and GU	24,487,634	3,231,836	13.2%	4293.8
2/25/21	49 states, NYC, DC, PR, and GU	24,134,958	3,168,274	13.1%	4209.4
2/18/21	49 states, NYC, DC, PR, and GU <sup># ~</sup>	23,726,925	3,104,010	13.1%	4124.0
2/11/21	49 states, NYC, DC, PR, and GU	23,284,471	3,033,370	13.0%	4030.2
2/4/21	49 states, NYC, DC, PR, and GU	22,697,315	2,934,292	12.9%	3898.5
1/28/21	49 states, NYC, DC, PR, and GU	21,963,445	2,816,775	12.8%	3742.4
1/21/21	49 states, NYC, DC, PR, and GU	21,036,194	2,676,612	12.7%	3556.2
1/14/21	49 states, NYC, DC, PR, and GU	19,918,714	2,511,132	12.6%	3336.3

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

^ Unknown: number of children infected but not tested and confirmed

○ As of 4/1/21 and 4/29/21, RI revised case data, resulting in a downward revision of cumulative cases; As of 5/6/21, due to data revision and lag in reporting, RI experienced 30% increase in child cases (4,906 cases added)

# As of 2/18/21 and 3/11/21, due to only MA data available and calculation required to obtain child total, there is a downward revision of cumulative child cases

□ As of 3/11/21, due to only PR data available and calculation required to obtain child total, there is a downward revision of cumulative child cases

~ As of 2/18/21 and 4/29/21, WY revised case data, resulting in a downward revision of cumulative child cases

## Appendix Table 2A, cont.: Summary of Child Case Data from 4/16/20 – 5/6/21\*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases^	Percent children of total cases	Cases per 100,000 children
1/7/21	49 states, NYC, DC, PR, and GU	18,463,319	2,299,666	12.5%	3055.4
12/31/20	49 states, NYC, DC, PR, and GU	17,137,295	2,128,587	12.4%	2828.1
12/24/20	49 states, NYC, DC, PR, and GU	16,125,324	2,000,681	12.4%	2658.1
12/17/20	49 states, NYC, DC, PR, and GU	14,766,831	1,821,746	12.3%	2420.4
12/10/20	49 states, NYC, DC, PR, and GU	13,462,337	1,639,728	12.2%	2178.6
12/3/20	49 states, NYC, DC, PR, and GU	12,167,620	1,460,905	12.0%	1941.0
11/26/20	49 states, NYC, DC, PR, and GU	11,184,900	1,337,217	12.0%	1776.6
11/19/20	49 states, NYC, DC, PR, and GU	10,060,749	1,183,609	11.8%	1572.6
11/12/20	49 states, NYC, DC, PR, and GU	9,037,991	1,039,464	11.5%	1381.0
11/5/20	49 states, NYC, DC, PR, and GU	8,236,710	927,518	11.3%	1232.3
10/29/20	49 states, NYC, DC, PR, and GU	7,669,038	853,635	11.1%	1134.1
10/22/20	49 states, NYC, DC, PR, and GU	7,207,186	792,188	11.0%	1052.5
10/15/20	49 states, NYC, DC, PR, and GU	6,837,527	741,891	10.9%	985.7

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

^ Unknown: number of children infected but not tested and confirmed

## Appendix Table 2A, cont.: Summary of Child Case Data from 4/16/20 – 5/6/21\*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases^	Percent children of total cases	Cases per 100,000 children
10/8/20	49 states, NYC, DC, PR, and GU	6,505,390	697,633	10.7%	926.9
10/1/20	49 states, NYC, DC, PR, and GU <sup>#</sup>	6,231,564	657,572	10.6%	873.7
9/24/20	49 states, NYC, DC, PR, and GU	5,965,268	624,890	10.5%	828.5
9/17/20	49 states, NYC, DC, PR, and GU	5,721,402	587,948	10.3%	779.5
9/10/20	49 states, NYC, DC, PR, and GU	5,493,006	549,432	10.0%	728.5
9/3/20	49 states, NYC, DC, PR, and GU	5,265,157	513,415	9.8%	680.3
8/27/20	49 states, NYC, DC, PR, and GU	5,018,113	476,439	9.5%	631.3
8/20/20	49 states, NYC, DC, PR, and GU	4,766,825	442,785	9.3%	583.2
8/13/20	49 states, NYC, DC, PR, and GU <sup>-</sup>	4,486,830	406,109	9.1%	538.1
8/6/20	49 states, NYC, DC, PR, and GU	4,159,947	380,174	9.1%	500.7
7/30/20	49 states, NYC, DC, PR, and GU	3,835,573	338,982	8.8%	446.5
7/23/20	49 states, NYC, DC, PR, and GU	3,416,630	288,287	8.4%	379.7
7/16/20	49 states, NYC, DC, PR, and GU	3,042,413	241,904	8.0%	318.6

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

^ Unknown: number of children infected but not tested and confirmed

<sup>#</sup> As of 10/1/20, MO changed definition of child case from 0-19 to 0-17 years, resulting in a downward revision of cumulative child cases

<sup>-</sup> As of 8/13/20, AL changed definition of child case from 0-24 to 0-17 years, resulting in a downward revision of cumulative child cases

## Appendix Table 2A, cont.: Summary of Child Case Data from 4/16/20 – 5/6/21\*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases^	Percent children of total cases	Cases per 100,000 children
7/9/20	49 states, NYC, DC, PR, and GU	2,651,066	200,184	7.6%	263.7
7/2/20	49 states, NYC, DC, PR, and GU	2,335,060	165,845	7.1%	218.4
6/25/20	49 states, NYC, DC, PR, and GU	2,073,387	138,213	6.7%	182.0
6/18/20	49 states, NYC, DC, PR, and GU	1,885,905	116,176	6.2%	153.0
6/11/20	49 states, NYC, DC, PR, and GU	1,750,240	98,246	5.6%	129.4
6/4/20	49 states, NYC, DC, PR, and GU	1,623,334	84,016	5.2%	110.7
5/28/20	47 states, NYC, DC, PR, and GU	1,425,154	66,513	4.7%	91.5
5/21/20	47 states, NYC, DC, PR, and GU	1,288,305	54,031	4.2%	74.4
5/14/20	47 states, NYC, DC, PR, and GU	1,159,407	42,370	3.7%	58.3
5/7/20	46 states, NYC, DC, PR, and GU	1,010,112	32,568	3.2%	45.0
4/30/20	47 states, NYC, DC, and PR	849,615	23,096	2.7%	31.8
4/23/20	48 states, NYC, DC, PR, and GU	710,953	15,911	2.2%	21.2
4/16/20	46 states, NYC, and DC	456,923	9,259	2.0%	13.3

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

^ Unknown: number of children infected but not tested and confirmed



# Appendix Table 2B: Summary of Child Hospitalization Data from 5/21/20 – 5/6/21\*

Date	Number of locations reporting age distribution of hospitalizations	Cumulative total hospitalizations (all ages)	Cumulative child hospitalizations	Percent children of total hospitalizations	Hospitalization rate^
5/6/21	24 states and NYC	778,080	15,740	2.0%	0.8%
4/29/21	24 states and NYC	768,506	15,456	2.0%	0.8%
4/22/21	24 states and NYC	759,280	15,187	2.0%	0.8%
4/15/21	24 states and NYC~	749,202	14,849	2.0%	0.8%
4/8/21	24 states and NYC	738,793	14,489	2.0%	0.8%
4/1/21	24 states and NYC	722,365	14,179	2.0%	0.8%
3/25/21	24 states and NYC	713,236	13,953	2.0%	0.8%
3/18/21	24 states and NYC	699,071	13,540	1.9%	0.8%
3/11/21	24 states and NYC	690,206	13,283	1.9%	0.8%
3/4/21	23 states and NYC#	656,757	12,531	1.9%	0.8%
2/25/21	24 states and NYC	665,821	12,630	1.9%	0.8%
2/18/21	24 states and NYC	652,528	12,329	1.9%	0.8%
2/11/21	24 states and NYC	639,318	11,960	1.9%	0.8%
2/4/21	24 states and NYC	623,006	11,585	1.9%	0.8%
1/28/21	24 states and NYC	605,509	11,192	1.8%	0.8%
1/21/21	24 states and NYC	581,897	10,660	1.8%	0.8%
1/14/21	24 states and NYC	560,125	10,182	1.8%	0.8%
1/7/21	24 states and NYC	533,910	9,661	1.8%	0.9%

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

^ Hospitalization rate = number of child hospitalizations / number of child cases

~ As of 4/15/21, NE revised hospitalization data, resulting in a downward revision of cumulative hospitalizations

# On 3/4/21 SC not included due to incomplete data, resulting in a downward revision of cumulative hospitalizations for all ages



# Appendix Table 2B, cont.: Summary of Child Hospitalization Data from 5/21/20 – 5/6/21\*

Date~	Number of locations reporting age distribution of hospitalizations	Cumulative total hospitalizations (all ages)	Cumulative child hospitalizations	Percent children of total hospitalizations	Hospitalization rate^
12/31/20	24 states and NYC	510,384	9,259	1.8%	0.9%
12/17/20	24 states and NYC	468,643	8,411	1.8%	0.9%
12/10/20	24 states and NYC	445,394	7,913	1.8%	0.9%
12/3/20	24 states and NYC	421,766	7,515	1.8%	1.0%
11/19/20	24 states and NYC	381,141	6,716	1.8%	1.1%
11/12/20	23 states and NYC	362,453	6,337	1.7%	1.2%
11/5/20	24 states and NYC	360,724	6,172	1.7%	1.3%
10/29/20	24 states and NYC	348,296	5,899	1.7%	1.3%
10/22/20	24 states and NYC	324,720	5,585	1.7%	1.3%
10/15/20	24 states and NYC	314,715	5,353	1.7%	1.4%
10/8/20	25 states and NYC#	307,135	5,211	1.7%	1.4%
10/1/20	25 states and NYC	302,896	5,340	1.8%	1.6%
9/24/20	25 states and NYC	294,901	5,164	1.8%	1.7%
9/17/20	25 states and NYC	288,345	5,016	1.7%	1.6%
9/10/20	24 states and NYC	270,034	4,677	1.7%	1.8%
9/3/20	23 states and NYC	257,300	4,321	1.7%	1.9%

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change  
~ Data from weeks ending 11/26/20 and 12/24/20 are not included

^ Hospitalization rate = number of child hospitalizations / number of child cases

# As of 10/8/20, AZ revised hospitalization data, resulting in a downward revision of cumulative child hospitalizations

# Appendix Table 2B, cont.: Summary of Child Hospitalization Data from 5/21/20 – 5/6/21\*

Date	Number of locations reporting age distribution of hospitalizations	Cumulative total hospitalizations (all ages)	Cumulative child hospitalizations	Percent children of total hospitalizations	Hospitalization rate^
8/27/20	22 states and NYC	243,056	4,163	1.7%	2.1%
8/20/20	21 states and NYC	234,810	4,062	1.7%	2.2%
8/13/20	21 states and NYC	225,893	3,849	1.7%	2.2%
8/6/20	20 states and NYC	206,189	3,276	1.6%	2.2%
7/30/20	20 states and NYC	195,106	2,669	1.4%	2.0%
7/23/20	20 states and NYC	181,345	2,304	1.3%	2.0%
7/16/20	20 states and NYC	172,787	2,074	1.2%	2.1%
7/9/20	20 states and NYC	164,158	1,948	1.2%	2.4%
7/2/20	20 states and NYC	156,640	1,780	1.1%	2.6%
6/25/20	20 states and NYC	151,583	1,663	1.1%	2.9%
6/18/20	19 states and NYC	140,215	1,433	1.0%	3.2%
6/11/20	19 states and NYC	134,600	1,322	1.0%	3.4%
6/4/20	19 states and NYC	128,779	1,231	1.0%	3.4%
5/28/20	16 states and NYC	114,678	1,054	0.9%	3.8%
5/21/20	17 states and NYC	105,665	891	0.8%	3.8%

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

^ Hospitalization rate = number of child hospitalizations / number of child cases

## Appendix Table 2C: Summary of Child Mortality Data from 5/21/20 – 5/6/21\*

Date	Number of locations reporting age distribution of deaths	Cumulative total deaths (all ages)	Cumulative child deaths	Percent children of total deaths	Percent of child cases resulting in death^
5/6/21	43 states, NYC, PR and GU	500,262	306	0.06%	0.01%
4/29/21	43 states, NYC, PR and GU	496,248	303	0.06%	0.01%
4/22/21	43 states, NYC, PR and GU	492,057	296	0.06%	0.01%
4/15/21	43 states, NYC, PR and GU	487,881	297	0.06%	0.01%
4/8/21	43 states, NYC, PR and GU	481,112	292	0.06%	0.01%
4/1/21	43 states, NYC, PR and GU	476,994	284	0.06%	0.01%
3/25/21	43 states, NYC, PR and GU <sup>○</sup>	471,104	279	0.06%	0.01%
3/18/21	43 states, NYC, PR and GU <sup>□</sup>	464,201	268	0.06%	0.01%
3/11/21	43 states, NYC, PR and GU	457,061	266	0.06%	0.01%
3/4/21	43 states, NYC, and GU <sup>#</sup>	444,878	253	0.06%	0.01%
2/25/21	43 states, NYC, and GU	438,657	256	0.06%	0.01%
2/18/21	43 states, NYC, and GU	425,350	247	0.06%	0.01%
2/11/21	43 states, NYC, and GU	407,222	241	0.06%	0.01%
2/4/21	43 states, NYC, and GU	388,204	227	0.06%	0.01%
1/28/21	43 states, NYC, and GU	369,149	215	0.06%	0.01%
1/21/21	43 states, NYC, and GU	348,860	205	0.06%	0.01%
1/14/21	43 states and NYC	330,261	191	0.06%	0.01%
1/7/21	42 states and NYC	297,914	188	0.06%	0.01%

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

^ Number of child deaths / number of child cases

○ As of 3/25/21, VA revised mortality data, resulting in downward revision of cumulative deaths for all ages

□ As of 3/18/21, KS revised mortality data, resulting in a downward revision of cumulative deaths for all ages

# As of 3/4/21, OH revised mortality data, resulting in a downward revision of cumulative deaths for all age groups

## Appendix Table 2C, cont.: Summary of Child Mortality Data from 5/21/20 – 5/6/21\*

Date~	Number of locations reporting age distribution of deaths	Cumulative total deaths (all ages)	Cumulative child deaths	Percent children of total deaths	Percent of child cases resulting in death^
12/31/20	43 states and NYC	294,443	179	0.06%	0.01%
12/17/20	42 states and NYC	263,833	172	0.07%	0.01%
12/10/20	42 states and NYC	249,442	162	0.06%	0.01%
12/3/20	43 states and NYC	236,996	154	0.06%	0.01%
11/19/20	43 states and NYC	218,007	138	0.06%	0.01%
11/12/20	42 states and NYC	210,441	133	0.06%	0.01%
11/5/20	42 states and NYC	199,564	123	0.06%	0.01%
10/29/20	42 states and NYC	194,175	121	0.06%	0.02%
10/22/20	42 states and NYC	189,250	120	0.06%	0.02%
10/15/20	42 states and NYC	184,294	120	0.07%	0.02%
10/8/20	42 states and NYC	180,014	115	0.06%	0.02%
10/1/20	42 states and NYC	175,423	112	0.06%	0.02%
9/24/20	42 states and NYC	170,971	109	0.06%	0.02%
9/17/20	42 states and NYC	167,019	109	0.07%	0.02%
9/10/20	42 states and NYC	160,856	105	0.07%	0.02%
9/3/20	42 states and NYC	156,053	103	0.07%	0.02%

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

~ Data from weeks ending 11/26/20 and 12/24/20 are not included

^ Number of child deaths / number of child cases

## Appendix Table 2C, cont.: Summary of Child Mortality Data from 5/21/20 – 5/6/21\*

Date	Number of locations reporting age distribution of deaths	Cumulative total deaths (all ages)	Cumulative child deaths	Percent children of total deaths	Percent of child cases resulting in death^
8/27/20	43 states and NYC <sup>#</sup>	152,884	101	0.07%	0.02%
8/20/20	45 states and NYC	154,279	92	0.06%	0.02%
8/13/20	45 states and NYC	147,356	90	0.06%	0.02%
8/6/20	44 states and NYC	139,685	90	0.06%	0.02%
7/30/20	44 states and NYC	133,267	86	0.06%	0.03%
7/23/20	44 states and NYC	121,539	76	0.06%	0.03%
7/16/20	43 states and NYC	119,265	66	0.06%	0.03%
7/9/20	42 states and NYC	112,289	62	0.06%	0.03%
7/2/20	42 states and NYC	108,513	58	0.05%	0.04%
6/25/20	42 states and NYC	104,683	57	0.05%	0.04%
6/18/20	42 states and NYC	101,056	54	0.05%	0.05%
6/11/20	40 states and NYC	89,866	48	0.05%	0.05%
6/4/20	40 states and NYC	91,241	46	0.05%	0.06%
5/28/20	39 states and NYC	82,298	30	0.04%	0.05%
5/21/20	38 states and NYC	71,689	28	0.04%	0.06%

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

^ Number of child deaths / number of child cases

# As of 8/27/20, RI, MI, and SC not reporting age distributions of COVID-19 deaths (exact numbers not provided for <5 deaths); mortality data from those states excluded

# Appendix Table 3A: Child COVID-19 Case Data Available on 5/6/21\*

Click location name to view original data source

Location	Age range	Child population, 2019	Cumulative child cases	Percent children of total cases	Cumulative total cases (all ages)	Cases per 100,000 children
<a href="#">Alabama<sup>^</sup></a>	0-17	1,088,668	48,554	11.9%	409,391	4459.9
<a href="#">Alaska</a>	0-19	196,852	13,382	20.3%	65,908	6798.0
<a href="#">Arizona</a>	0-19	1,838,598	140,927	16.3%	866,022	7664.9
<a href="#">Arkansas</a>	0-17	700,155	49,039	14.6%	336,760	7004.0
<a href="#">California</a>	0-17	8,894,641	473,545	13.0%	3,648,276	5323.9
<a href="#">Colorado</a>	0-19	1,407,971	85,963	16.6%	517,851	6105.5
<a href="#">Connecticut</a>	0-19	735,193	60,879	17.8%	341,571	8280.7
<a href="#">Delaware</a>	0-17	203,572	15,762	15.0%	105,401	7742.7
<a href="#">District of Columbia</a>	0-19	149,337	6,836	14.2%	48,041	4577.6
<a href="#">Florida</a>	0-14	3,512,139	194,299	8.8%	2,211,728	5532.2
<a href="#">Georgia</a>	0-17	2,503,881	101,061	11.4%	883,418	4036.2
<a href="#">Guam</a>	0-19	57,727	1,316	16.5%	7,964	2279.7
<a href="#">Hawaii</a>	0-17	299,868	3,927	12.4%	31,548	1309.6
<a href="#">Idaho</a>	0-17	448,201	21,168	11.2%	188,435	4722.9
<a href="#">Illinois</a>	0-19	3,145,309	215,965	16.0%	1,346,398	6866.3
<a href="#">Indiana</a>	0-19	1,755,070	110,181	15.2%	725,353	6277.9
<a href="#">Iowa</a>	0-17	726,841	43,379	10.9%	396,673	5968.2
<a href="#">Kansas</a>	0-17	700,250	38,062	12.3%	310,115	5435.5
<a href="#">Kentucky</a>	0-19	1,118,934	67,968	15.2%	446,929	6074.4
<a href="#">Louisiana</a>	0-17	1,087,630	59,966	15.3%	391,000	5513.5
<a href="#">Maine</a>	0-19	281,158	11,483	18.2%	63,175	4084.2
<a href="#">Maryland</a>	0-19	1,489,721	71,135	15.8%	451,267	4775.1
<a href="#">Massachusetts<sup>#</sup></a>	0-19	1,558,231	85,470	13.2%	646,982	5485.1
<a href="#">Michigan</a>	0-19	2,407,690	153,349	16.1%	951,899	6369.1
<a href="#">Minnesota</a>	0-19	1,445,346	106,829	18.3%	584,227	7391.2
<a href="#">Mississippi</a>	0-17	698,583	40,753	13.0%	312,712	5833.7
<a href="#">Missouri<sup>†</sup></a>	0-17	1,370,585	54,695	10.8%	504,454	3990.6

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change;

<sup>^</sup> As of 8/13/20, AL changed definition of child case from 0-24 to 0-17 years  
<sup>#</sup> As of 9/3/20, MA only reported age distribution of cases added in last two weeks but not for total cases to date; 5/6/21 totals calculated using MA Dept. of Public Health COVID-19 Dashboard published 5/6/21 (data from 4/18/21-5/1/21) and 4/15/21 version of this report; As of 2/18/21 and 3/11/21, due to only MA data available and calculation required to obtain child total, there is a downward revision of cumulative child cases  
<sup>†</sup> As of 10/1/20, MO changed definition of child case from 0-19 to 0-17 years

# Appendix Table 3B: Child COVID-19 Case Data Available on 5/6/21\*

Click location name to view original data source

Location	Age range	Child population, 2019	Cumulative child cases	Percent children of total cases	Cumulative total cases (all ages)	Cases per 100,000 children
<a href="#">Montana</a>	0-19	254,416	17,377	15.9%	109,455	6830.2
<a href="#">Nebraska</a>	0-19	760,272	34,686	15.7%	220,933	4562.4
<a href="#">Nevada</a>	0-19	688,997	44,392	14.0%	317,088	6443.0
<a href="#">New Hampshire</a>	0-19	291,038	16,946	17.7%	95,881	5822.6
<a href="#">New Jersey</a>	0-17	1,938,578	105,243	12.0%	877,814	5428.9
<a href="#">New Mexico</a>	0-19	531,712	36,068	18.1%	198,781	6783.4
<a href="#">North Carolina</a>	0-17	2,300,715	120,876	12.4%	976,768	5253.8
<a href="#">North Dakota</a>	0-19	200,777	19,126	17.7%	108,081	9526.0
<a href="#">NYC</a>	0-17	1,726,900	85,927	11.2%	769,962	4975.8
<a href="#">Ohio</a>	0-19	2,886,873	145,880	13.5%	1,078,734	5053.2
<a href="#">Oklahoma</a>	0-17	952,238	59,768	13.3%	448,872	6276.6
<a href="#">Oregon</a>	0-19	965,480	30,734	16.3%	188,417	3183.3
<a href="#">Pennsylvania</a>	0-19	2,801,187	168,703	14.5%	1,164,216	6022.6
<a href="#">Puerto Rico</a> <sup>□</sup>	0-19	594,011	18,547	13.9%	133,846	3122.3
<a href="#">Rhode Island</a> <sup>○</sup>	0-18	220,525	21,201	15.2%	139,455	9613.9
<a href="#">South Carolina</a>	0-20	1,314,988	108,803	18.7%	581,835	8274.1
<a href="#">South Dakota</a>	0-19	240,567	19,832	16.1%	123,073	8243.9
<a href="#">Tennessee</a>	0-20	1,762,659	156,847	18.4%	850,885	8898.3
<a href="#">Texas</a> <sup>^</sup>	0-19	8,210,585	5,344	6.8%	78,614	--
<a href="#">Utah</a>	0-14	774,764	42,962	10.8%	398,979	5545.2
<a href="#">Vermont</a>	0-19	134,415	5,217	22.4%	23,296	3881.3
<a href="#">Virginia</a>	0-19	2,087,426	102,682	15.5%	664,394	4919.1
<a href="#">Washington</a>	0-19	1,840,306	70,713	17.3%	409,933	3842.5
<a href="#">West Virginia</a>	0-19	402,473	25,119	16.2%	155,341	6241.1
<a href="#">Wisconsin</a>	0-19	1,422,095	108,602	16.4%	663,668	7636.8
<a href="#">Wyoming</a> <sup>#</sup>	0-18	140,694	7,301	14.8%	49,334	5189.6

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

□ As of 3/11/21, due to only PR data available and calculation required to obtain child total, there is a downward revision of cumulative child cases

○ As of 4/1/21 and 4/29/21, RI revised case data, resulting in downward revision of cumulative cases; As of 5/6/21, due to data revision and lag in reporting, RI experienced 30% increase in child cases (4,906 cases added)

^ Texas reported age for only 3% of total confirmed cases; Cases per 100,000 children omitted for Texas; Data for Texas in this report is limited to the case count for which age is provided

# As of 2/18/21 and 4/29/21, WY revised case data, resulting in a downward revision of cumulative child cases



# Appendix Table 4: Child Testing Data Available on 5/6/21\*

## COVID-19 Testing and Children

Location	Age range	Cumulative total tests (all ages)	Cumulative child tests	Percent children of total tests	Positive rate^
<a href="#">Arizona</a>	0-19	4,285,668	770,290	18.0%	18.3%
<a href="#">Illinois</a>	0-19	23,007,188	3,041,098	13.2%	7.1%
<a href="#">Indiana</a>	0-19	9,904,926	1,909,670	19.3%	5.8%
<a href="#">Iowa</a>	0-17	2,142,615	128,557	6.0%	33.7%
<a href="#">Minnesota</a>	0-19	9,256,359	1,375,268	14.9%	7.8%
<a href="#">Nevada</a>	0-19	3,222,597	447,941	13.9%	9.9%
<a href="#">New Hampshire</a>	0-19	1,883,177	321,558	17.1%	5.3%
<a href="#">Rhode Island</a>	0-18	834,344	149,451	17.9%	14.2%
<a href="#">Tennessee</a>	0-20	7,711,088	1,379,958	17.9%	11.4%
<a href="#">West Virginia</a>	0-19	2,766,533	316,491	11.4%	7.9%
<a href="#">Wyoming</a> <sup>#</sup>	0-18	731,111	81,153	11.1%	9.0%

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

^ Positive rate = number of child cases / number of child tests

# As of 2/11/21 and 3/18/21, WY revised testing data, resulting in a downward revision of cumulative tests for all age groups



# Appendix Table 5: Child Hospitalization Data Available on 5/6/21\*

## COVID-19-Associated Hospitalizations and Children

Location	Age range	Cumulative child hospitalizations	Cumulative total hospitalizations (all ages)	Percent children of total hospitalizations	Hospitalization rate^
<a href="#">Alaska</a>	0-19	31	1,506	2.1%	0.2%
<a href="#">Arizona<sup>#</sup></a>	0-19	1,712	60,565	2.8%	1.2%
<a href="#">Colorado</a>	0-19	880	28,391	3.1%	1.0%
<a href="#">Florida</a>	0-14	1,235	91,425	1.4%	0.6%
<a href="#">Georgia</a>	0-17	1,279	61,897	2.1%	1.3%
<a href="#">Hawaii</a>	0-17	34	1,816	1.9%	0.9%
<a href="#">Idaho</a>	0-17	147	8,180	1.8%	0.7%
<a href="#">Indiana</a>	0-19	946	56,090	1.7%	0.9%
<a href="#">Kansas</a>	0-17	169	10,312	1.6%	0.4%
<a href="#">Minnesota</a>	0-19	955	30,783	3.1%	0.9%
<a href="#">Mississippi</a>	0-17	166	9,701	1.7%	0.4%
<a href="#">Nebraska<sup>~</sup></a>	0-19	125	6,547	1.9%	0.4%
<a href="#">New Hampshire</a>	0-19	16	1,334	1.2%	0.1%
<a href="#">New Jersey</a>	0-17	1,083	76,923	1.4%	1.0%
<a href="#">NYC</a>	0-17	1,599	106,324	1.5%	1.9%
<a href="#">Ohio</a>	0-19	1,431	56,991	2.5%	1.0%
<a href="#">Oregon</a>	0-19	292	10,376	2.8%	1.0%
<a href="#">Rhode Island</a>	0-18	225	10,183	2.2%	1.1%
<a href="#">South Carolina</a>	0-20	455	22,760	2.0%	0.4%
<a href="#">South Dakota</a>	0-19	217	7,417	2.9%	1.1%
<a href="#">Tennessee</a>	0-20	484	21,296	2.3%	0.3%
<a href="#">Utah</a>	0-14	342	16,278	2.1%	0.8%
<a href="#">Virginia</a>	0-19	539	28,771	1.9%	0.5%
<a href="#">Washington</a>	0-19	468	22,614	2.1%	0.7%
<a href="#">Wisconsin</a>	0-19	910	29,600	3.1%	0.8%

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change

^ Hospitalization rate = number of child hospitalizations / number of child cases

# As of 10/8/20, AZ revised hospitalization data, resulting in a downward revision of cumulative child hospitalizations

~ As of 4/15/21, NE revised hospitalization data, resulting in a downward revision of cumulative hospitalizations

# Appendix Table 6A: Child Mortality Data Available on 5/6/21\*

## COVID-19-Associated Deaths and Children

Location	Age range	Cumulative child deaths	Cumulative total deaths (all ages)	Percent children of total deaths	Percent of child cases resulting in death^
<a href="#">Alabama</a> <sup>#</sup>	0-17	9	10,930	0.08%	0.02%
<a href="#">Alaska</a>	0-19	0	342	0.00%	0.00%
<a href="#">Arizona</a>	0-19	30	17,360	0.17%	0.02%
<a href="#">Arkansas</a>	0-17	0	5,754	0.00%	0.00%
<a href="#">California</a>	0-17	21	60,927	0.03%	0.00%
<a href="#">Colorado</a>	0-19	12	6,337	0.19%	0.01%
<a href="#">Connecticut</a>	0-19	4	8,124	0.05%	0.01%
<a href="#">Delaware</a>	0-17	2	1,628	0.12%	0.01%
<a href="#">District of Columbia</a>	0-19	0	1,109	0.00%	0.00%
<a href="#">Florida</a>	0-14	6	35,478	0.02%	0.00%
<a href="#">Georgia</a>	0-17	10	17,625	0.06%	0.01%
<a href="#">Guam</a>	0-19	2	136	1.47%	0.15%
<a href="#">Hawaii</a>	0-17	1	480	0.21%	0.03%
<a href="#">Idaho</a>	0-17	0	2,052	0.00%	0.00%
<a href="#">Illinois</a>	0-19	17	22,096	0.08%	0.01%
<a href="#">Indiana</a>	0-19	8	12,960	0.06%	0.01%
<a href="#">Iowa</a>	0-17	3	5,962	0.05%	0.01%
<a href="#">Kansas</a> <sup>□</sup>	0-17	1	4,999	0.02%	0.00%
<a href="#">Kentucky</a>	0-19	2	6,542	0.03%	0.00%
<a href="#">Louisiana</a>	0-17	7	9,485	0.07%	0.01%
<a href="#">Maine</a>	0-19	0	793	0.00%	0.00%
<a href="#">Maryland</a>	0-19	10	8,822	0.11%	0.01%
<a href="#">Massachusetts</a> <sup>~</sup>	0-19	7	17,266	0.04%	0.01%
<a href="#">Minnesota</a>	0-19	3	7,204	0.04%	0.00%

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change;

^ Number of child deaths / number of child cases;

# As of 8/13/20, AL changed definition of child case, resulting in a downward revision of cumulative child deaths

□ As of 3/18/21, KS revised mortality data, resulting in a downward revision of cumulative deaths for all ages

~ As of 9/3/20, MA only reported age distribution of deaths added in last two weeks but not for total deaths to date; 5/6/21 totals calculated using MA Dept. of Public Health COVID-19 Dashboard published 5/6/21 (data from 4/18/21-5/1/21) and 4/15/21 version of this report

# Appendix Table 6B: Child Mortality Data Available on 5/6/21\*

## COVID-19-Associated Deaths and Children

Location	Age range	Cumulative child deaths	Cumulative total deaths (all ages)	Percent children of total deaths	Percent of child cases resulting in death^
<a href="#">Mississippi</a>	0-17	3	7,223	0.04%	0.01%
<a href="#">Missouri</a>	0-17	4	8,821	0.05%	0.01%
<a href="#">Nebraska</a>	0-19	4	2,249	0.18%	0.01%
<a href="#">Nevada</a>	0-19	5	5,487	0.10%	0.01%
<a href="#">New Hampshire</a>	0-19	0	1,308	0.00%	0.00%
<a href="#">New Jersey</a>	0-17	7	23,067	0.03%	0.01%
<a href="#">North Carolina</a>	0-17	3	12,721	0.02%	0.00%
<a href="#">North Dakota</a>	0-19	1	1,497	0.07%	0.01%
<a href="#">NYC</a>	0-17	24	27,622	0.09%	0.03%
<a href="#">Ohio</a> ~	0-19	7	19,344	0.04%	0.00%
<a href="#">Oklahoma</a>	0-17	2	6,832	0.03%	0.00%
<a href="#">Oregon</a>	0-19	2	2,509	0.08%	0.01%
<a href="#">Pennsylvania</a>	0-19	10	26,447	0.04%	0.01%
<a href="#">Puerto Rico</a>	0-19	3	2,348	0.13%	0.02%
<a href="#">South Dakota</a>	0-19	0	1,976	0.00%	0.00%
<a href="#">Tennessee</a>	0-20	10	12,228	0.08%	0.01%
<a href="#">Texas</a> #	0-19	52	49,217	0.11%	--
<a href="#">Vermont</a>	0-19	0	249	0.00%	0.00%
<a href="#">Virginia</a> □	0-19	4	10,861	0.04%	0.00%
<a href="#">Washington</a>	0-19	7	5,539	0.13%	0.01%
<a href="#">Wisconsin</a>	0-19	3	7,596	0.04%	0.00%
<a href="#">Wyoming</a>	0-18	0	710	0.00%	0.00%

\* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change; ^ Number of child deaths / number of child cases;

~ As of 3/4/21, OH revised mortality data, resulting in a downward revision of cumulative deaths for all ages

# As of 7/30/20, Texas provided age distribution for all COVID-19-associated deaths; Texas reported age for only 3% of total confirmed cases; Percent of child cases resulting in death omitted for Texas; Data for Texas in this report is limited to the case count for which age is provided

□ As of 3/25/21, VA revised mortality data, resulting in a downward revision of cumulative deaths for all ages

# Frequently Asked Questions

**Q:** *Why are the AAP and CHA collecting this data?*

**A:** Our goal is to provide a weekly snapshot of how COVID-19 is affecting children in the United States. CDC provides a national number of cases by age on its [COVID-19 data tracker](#), but there are no geographic indicators provided and the age data are not released on a regular schedule. Our data collection method allows for tracking the number of child cases weekly, as well as providing publicly reported case numbers for children at the state level.

**Q:** *The age ranges for children in the report are broad – why were these age ranges chosen and are data available for more specific age ranges of children?*

**A:** Each state makes different decisions about how to report the age distribution of COVID-19 cases, and as a result the age range for reported cases varies by state. For the purposes of this report it is not possible to standardize more detailed age ranges for children based on what is publicly available from the states at this time. Please refer to specific state health department websites of interest to see if the state provides more granular detail of cases by age (see report Appendix for links to all state data sources).

**Q:** *What is the definition of a COVID-19 case?*

**A:** COVID-19 cases are defined as persons who have been identified as a confirmed (via a diagnostic molecular test) or probable (via a clinical diagnosis) case. COVID-19 cases are reported by the states, [following reporting standards established by the CDC](#). For more information on the definitions of confirmed and probable cases, see the following resources: [COVID Tracking Project: Definitions](#); [CDC, COVID-19 Data and Surveillance](#).

**Q:** *Why are only a small portion (<5%) of child COVID-19 cases included for Texas?*

**A:** Texas Department of State Health Services reports overall confirmed cases but only a small fraction are included in the age distribution. Other sources for child COVID-19 cases are not included in the report but outline much higher numbers (eg, [Texas Public Schools COVID-19 Data](#)).

**Q:** *Why does the report not provide the percent of child cases that were symptomatic vs. asymptomatic or that had underlying conditions?*

**A:** For the report, we are limited to the data that states are making publicly available. At this time, states are not providing data related to symptoms or underlying conditions and age. CDC provides some information on COVID-19 hospitalizations by age on the [CDC COVID-NET dashboard](#).

**Q:** *For the child population for each state, does that match the listed age range for the state's child COVID-19 data?*

**A:** Yes, the report uses child population numbers that match on directly with the listed age range for children provided by each state. State population numbers were obtained from the [US Census Bureau](#).

**Q:** *The report provides “cumulative totals” for cases, tests, hospitalizations, and deaths for available states. Are those the total numbers since the states began reporting, or since the AAP and CHA started collecting this data?*

**A:** All “cumulative total” data represent cumulative counts since states began reporting COVID-19 data.

**Q:** *How can I learn more about COVID-19 cases in my state?*

**A:** Links to all state data sources are provided in the Appendix.

**Q:** *Are these data final?*

**A:** No. All data reported by state/local health departments included in this report are preliminary and subject to change and revision as health departments gather more information.

**Q:** *Is this the most recent report available? When will a new report be released?*

**A:** The most recent version of the report is available for [download on the AAP website](#). New reports are made available on a weekly basis at [aap.org/CovidStateData](#).

# Additional Resources

- For more information about COVID-19 data in your area, we encourage you to reach out to your state and local health department officials
- Visit the [AAP Critical Updates](#) site for daily updates, resources, and guidance on COVID-19 and pediatrics
- For COVID-19 articles for parents in English and Spanish, visit [HealthyChildren.org](#), the parenting website of the AAP

# Contact Information

This a joint report from the **American Academy of Pediatrics** and the **Children's Hospital Association**

- For technical questions, please contact the authors at:

**Bill Cull, PhD**

Director, Health Services Research

American Academy of Pediatrics

[wcull@aap.org](mailto:wcull@aap.org)

**Mitch Harris, PhD**

Director of Research

Children's Hospital Association

[Mitch.Harris@childrenshospitals.org](mailto:Mitch.Harris@childrenshospitals.org)

- For media inquiries, please contact:

**Lisa Black**

Media Relations

American Academy of Pediatrics

[lblack@aap.org](mailto:lblack@aap.org)

**Gillian Ray**

External Relations

Children's Hospital Association

[Gillian.Ray@childrenshospitals.org](mailto:Gillian.Ray@childrenshospitals.org)

## Acknowledgements

Special thanks to the following individuals for their contributions to this report: Alex Rothenburger, MPA (Children's Hospital Association), Vinson Do (Children's Hospital Association), Lynn Olson, PhD (American Academy of Pediatrics), Blake Sisk, PhD (American Academy of Pediatrics), Mary Pat Frintner, MSPH (American Academy of Pediatrics), Liz Gottschlich, MA (American Academy of Pediatrics), Kate Kornfeind, MPH (American Academy of Pediatrics), and Chloe Somberg (American Academy of Pediatrics)