

# Children and COVID-19: State Data Report

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

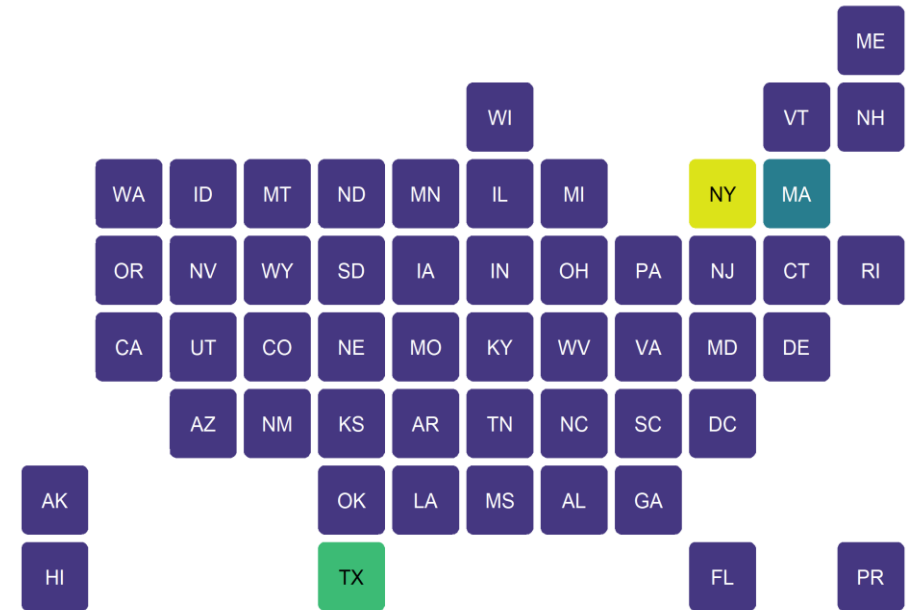
Summary of publicly reported data from 49 states, NYC, DC, PR, and GU

**Version: 3/18/21**

# 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 3/18/21
- **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 3/18/21**



**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

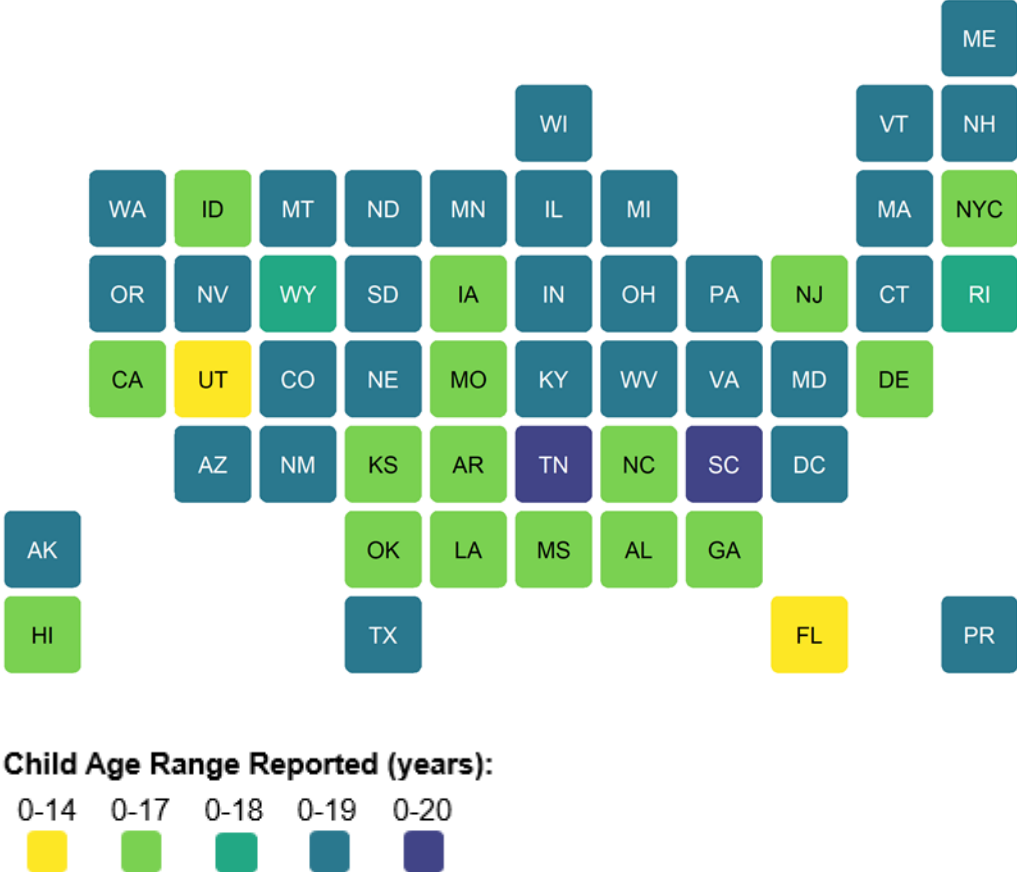
## General Limitations

- 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 (75,978/2,355,666), 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 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 reduction in total child case count

**Fig 1B: Child Age Ranges of COVID-19 Cases Reported by States as of 3/18/21**



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: 3/18/21

## 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\*

- 3,341,608 total child COVID-19 cases reported, and children represented 13.3% (3,341,608/25,111,012) of all cases
- Overall rate: 4,440 cases per 100,000 children in the population

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

- 57,078 new child COVID-19 cases were reported the past week from 3/11/21-3/18/21 (3,284,531 to 3,341,608)
- Over two weeks, 3/4/21-3/18/21, there was a 3% increase in child COVID-19 cases (109,772 new cases (3,231,836 to 3,341,608))

### Testing (11 states reported)\*

- Children made up between 6.0%-18.7% of total state tests, and between 5.3%-31.2% of children tested were tested positive

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

- Children were 1.3%-3.1% of total reported hospitalizations, and between 0.1%-2.1% of all child COVID-19 cases resulted in hospitalization

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

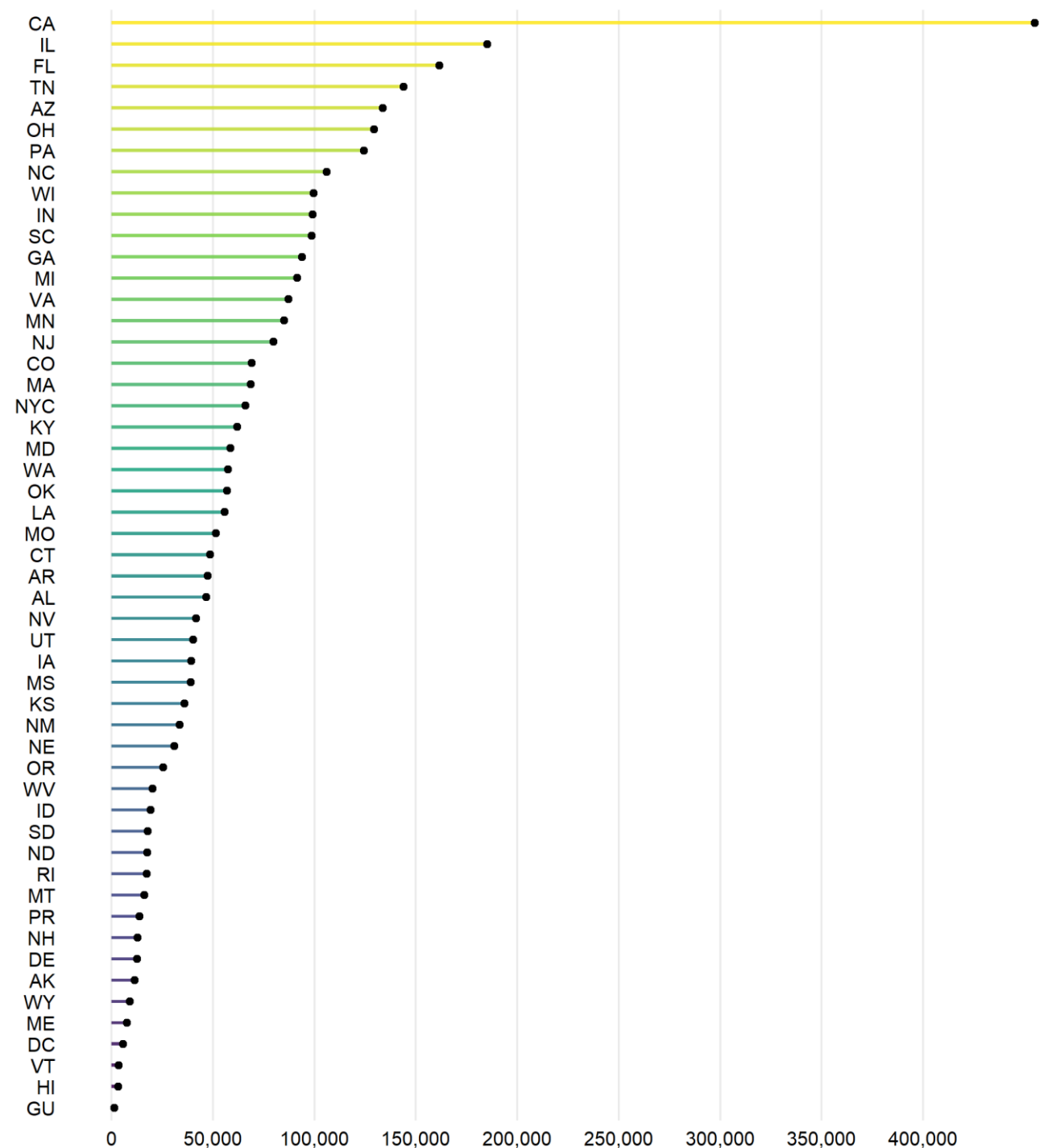
- Children were 0.00%-0.19% of all COVID-19 deaths, and 10 states reported zero child deaths
- In states reporting, 0.00%-0.03% of all child COVID-19 cases resulted in death

*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: 3/18/21

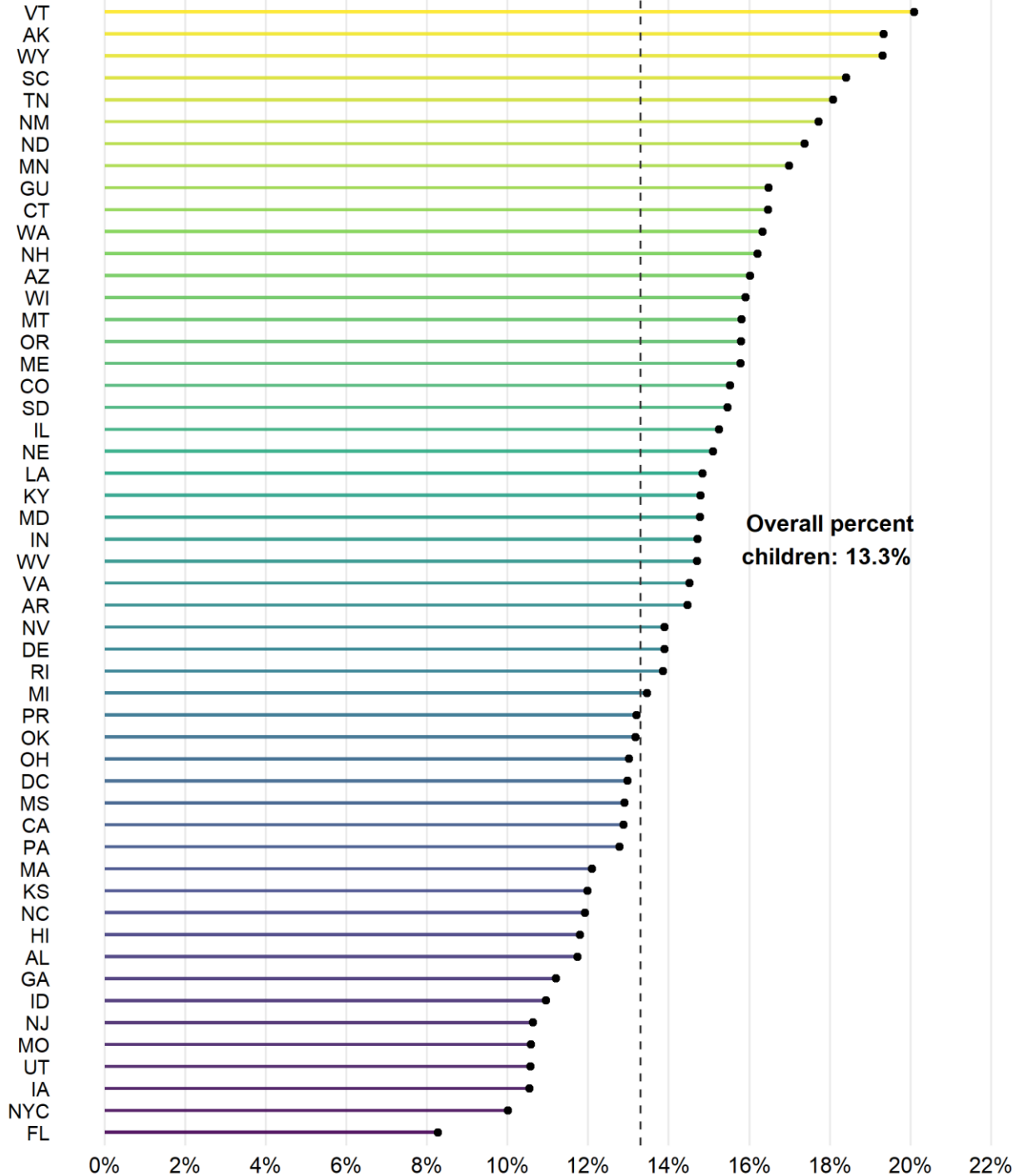
- 3,341,608 total child COVID-19 cases (cumulative)
- Eight states reported 100,000+ child cases
- Five states reported fewer than 10,000 child cases



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: 3/18/21

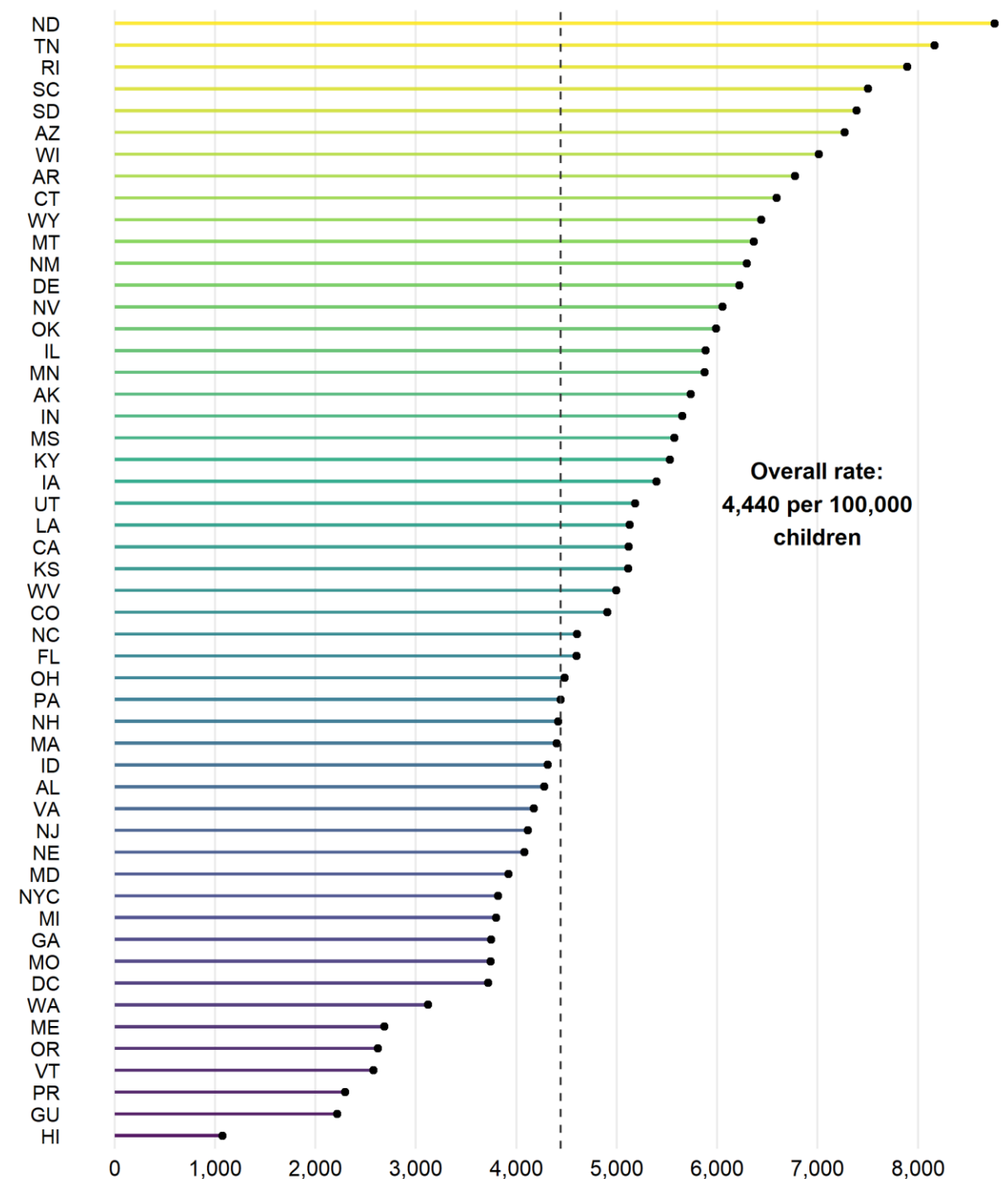
- Children represented 13.3% (3,341,608/25,111,012) of all available cases
- Five states reported 18% or more of cases were children



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: 3/18/21

- Calculated using state-level population estimates from US Census Bureau (2019)\*
- Overall rate: 4,440 child COVID-19 cases per 100,000 children in the population
- Seven 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

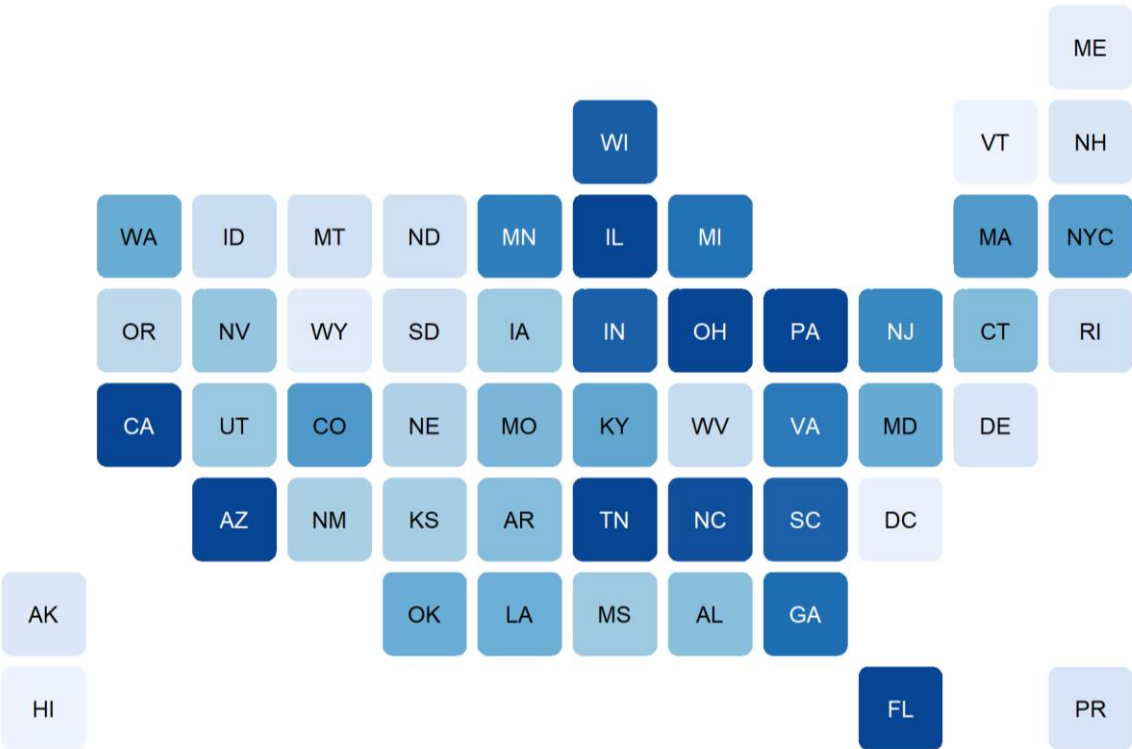
\* Source: US Census Bureau, State Population by Characteristics: 2010-2019,

<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

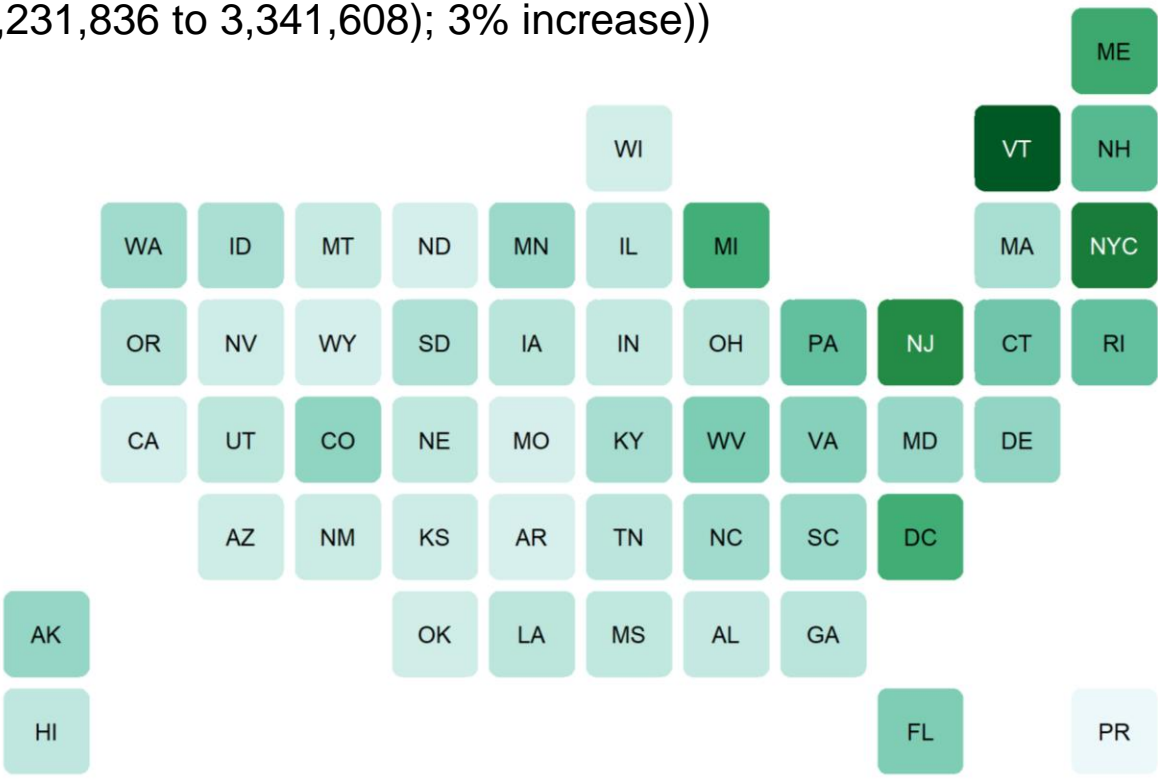
## A. Cumulative Child COVID-19 Cases, 3/18/21

8 states with 100,000+ cumulative child cases



## B. Percent Increase in Child Cases, 3/4/21-3/18/21

From 3/4-3/18, there were 109,772 new child cases reported (3,231,836 to 3,341,608); 3% increase))



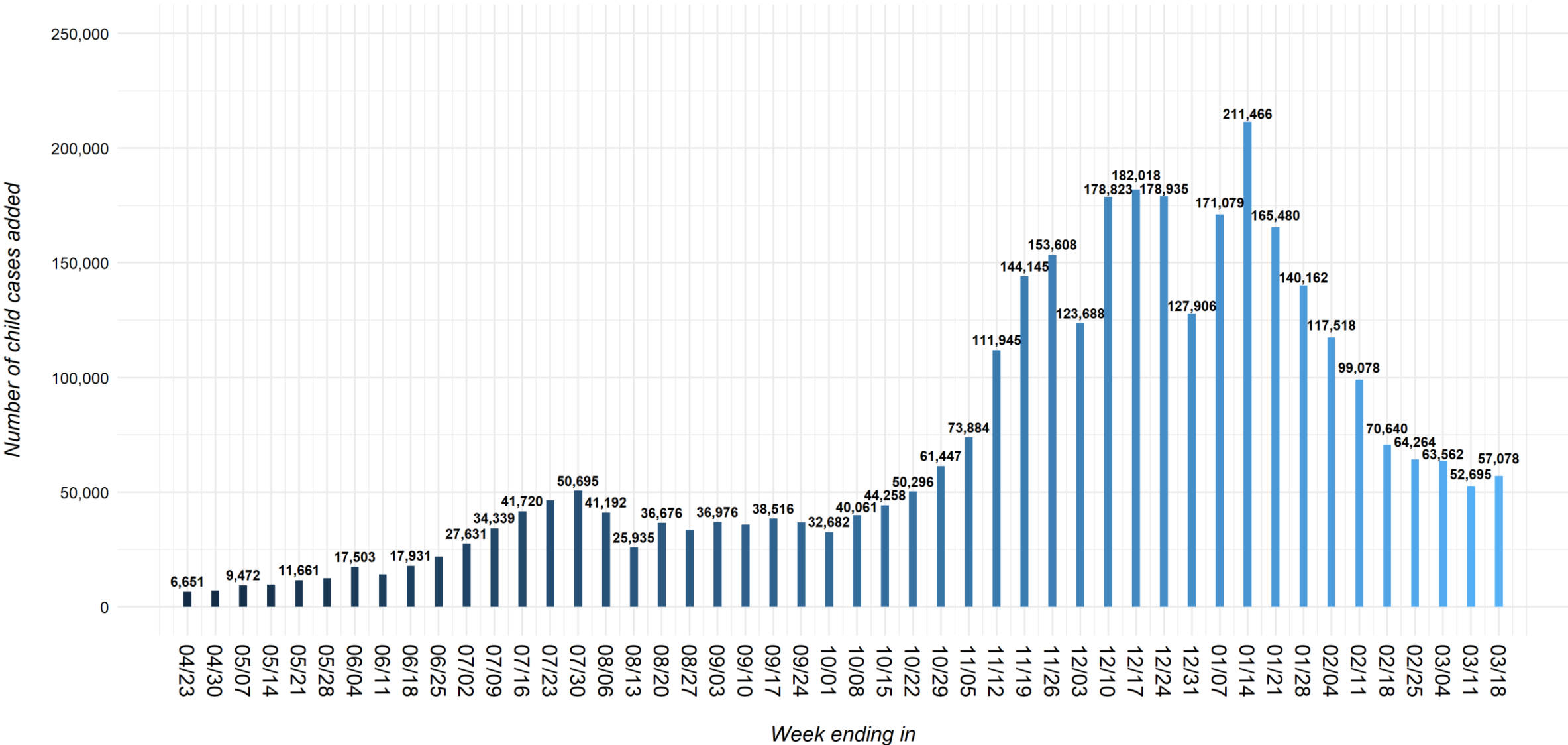
Cumulative child COVID-19 cases (thousands) 25 50 75 100+

Percent increase 0 3 6 9 12+

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%)  
See detail in Appendix: Data from 48 states, NYC, DC, and PR  
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 3/18/21

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	25,111,012	3,341,608	13.3%	4439.7

\* 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 – 3/18/21\*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases^	Percent children of total cases	Cases per 100,000 children
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# □	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# ~	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
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

\* 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 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, 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 – 3/18/21\*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases^	Percent children of total cases	Cases per 100,000 children
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
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

\* 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 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

~ 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 – 3/18/21\*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases^	Percent children of total cases	Cases per 100,000 children
7/30/20	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
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 – 3/18/21\*

Date~	Number of locations reporting age distribution of hospitalizations	Cumulative total hospitalizations (all ages)	Cumulative child hospitalizations	Percent children of total hospitalizations	Hospitalization rate^
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%
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%

\* 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

# 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 – 3/18/21\*

Date	Number of locations reporting age distribution of hospitalizations	Cumulative total hospitalizations (all ages)	Cumulative child hospitalizations	Percent children of total hospitalizations	Hospitalization rate^
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

^ 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 – 3/18/21\*

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 – 3/18/21\*

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^
3/18/21	43 states, NYC, PR and GU□	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#	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%
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%

\* 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

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

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

## Appendix Table 2C, cont.: Summary of Child Mortality Data from 5/21/20 – 3/18/21\*

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^
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%
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%

\* 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 2C, cont.: Summary of Child Mortality Data from 5/21/20 – 3/18/21\*

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^
8/13/20	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

# Appendix Table 3A: Child COVID-19 Case Data Available on 3/18/21\*



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	46,568	11.7%	396,997	4277.5
<a href="#">Alaska</a>	0-19	196,852	11,292	19.3%	58,428	5736.3
<a href="#">Arizona</a>	0-19	1,838,598	133,618	16.0%	834,323	7267.4
<a href="#">Arkansas</a>	0-17	700,155	47,424	14.5%	327,781	6773.4
<a href="#">California</a>	0-17	8,894,641	455,119	12.9%	3,535,534	5116.8
<a href="#">Colorado</a>	0-19	1,407,971	69,116	15.5%	445,338	4908.9
<a href="#">Connecticut</a>	0-19	735,193	48,468	16.5%	294,328	6592.6
<a href="#">Delaware</a>	0-17	203,572	12,663	13.9%	91,123	6220.4
<a href="#">District of Columbia</a>	0-19	149,337	5,555	13.0%	42,811	3719.8
<a href="#">Florida</a>	0-14	3,512,139	161,522	8.3%	1,952,321	4599.0
<a href="#">Georgia</a>	0-17	2,503,881	93,904	11.2%	838,570	3750.3
<a href="#">Guam</a>	0-19	57,727	1,280	16.5%	7,767	2217.3
<a href="#">Hawaii</a>	0-17	299,868	3,231	11.8%	27,385	1077.5
<a href="#">Idaho</a>	0-17	448,201	19,335	11.0%	176,461	4313.9
<a href="#">Illinois</a>	0-19	3,145,309	185,108	15.3%	1,213,765	5885.2
<a href="#">Indiana</a>	0-19	1,755,070	99,209	14.7%	674,430	5652.7
<a href="#">Iowa</a>	0-17	726,841	39,219	10.5%	372,177	5395.8
<a href="#">Kansas</a>	0-17	700,250	35,815	12.0%	298,904	5114.6
<a href="#">Kentucky</a>	0-19	1,118,934	61,870	14.8%	418,372	5529.4
<a href="#">Louisiana</a>	0-17	1,087,630	55,810	14.8%	376,152	5131.3
<a href="#">Maine</a>	0-19	281,158	7,550	15.8%	47,832	2685.3
<a href="#">Maryland</a>	0-19	1,489,721	58,460	14.8%	395,633	3924.2
<a href="#">Massachusetts<sup>#</sup></a>	0-19	1,558,231	68,597	12.1%	567,108	4402.2
<a href="#">Michigan</a>	0-19	2,407,690	91,526	13.5%	680,279	3801.4
<a href="#">Minnesota</a>	0-19	1,445,346	84,936	17.0%	499,962	5876.5
<a href="#">Mississippi</a>	0-17	698,583	38,938	12.9%	301,924	5573.9
<a href="#">Missouri<sup>†</sup></a>	0-17	1,370,585	51,307	10.6%	485,009	3743.4

\* 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 8/13/20, AL changed definition of child case from 0-24 to 0-17 years  
# As of 9/3/20, MA only reported age distribution of cases added in last two weeks but not for total cases to date; 3/18/21 totals calculated using MA Dept. of Public Health COVID-19 Dashboard published 3/18/21 (data from 2/28/21-3/13/21)  
and 2/25/21 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  
† 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 3/18/21\*

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	16,199	15.8%	102,484	6367.1
<a href="#">Nebraska</a>	0-19	760,272	31,036	15.1%	205,539	4082.3
<a href="#">Nevada</a>	0-19	688,997	41,716	13.9%	300,118	6054.7
<a href="#">New Hampshire</a>	0-19	291,038	12,858	16.2%	79,367	4418.0
<a href="#">New Jersey</a>	0-17	1,938,578	79,826	10.6%	751,082	4117.8
<a href="#">New Mexico</a>	0-19	531,712	33,472	17.7%	188,907	6295.1
<a href="#">North Carolina</a>	0-17	2,300,715	105,995	11.9%	889,310	4607.0
<a href="#">North Dakota</a>	0-19	200,777	17,594	17.4%	101,284	8763.0
<a href="#">NYC</a>	0-17	1,726,900	65,983	10.0%	659,487	3820.9
<a href="#">Ohio</a>	0-19	2,886,873	129,304	13.0%	993,681	4479.0
<a href="#">Oklahoma</a>	0-17	952,238	57,018	13.2%	432,793	5987.8
<a href="#">Oregon</a>	0-19	965,480	25,316	15.8%	160,259	2622.1
<a href="#">Pennsylvania</a>	0-19	2,801,187	124,359	12.8%	973,721	4439.5
<a href="#">Puerto Rico<sup>□</sup></a>	0-19	594,011	13,639	13.2%	103,347	2296.1
<a href="#">Rhode Island</a>	0-18	220,525	17,403	13.9%	125,601	7891.6
<a href="#">South Carolina</a>	0-20	1,314,988	98,642	18.4%	536,100	7501.4
<a href="#">South Dakota</a>	0-19	240,567	17,775	15.5%	114,966	7388.8
<a href="#">Tennessee</a>	0-20	1,762,659	143,923	18.1%	795,963	8165.1
<a href="#">Texas<sup>^</sup></a>	0-19	8,210,585	5,006	6.6%	75,978	--
<a href="#">Utah</a>	0-14	774,764	40,146	10.6%	379,780	5181.7
<a href="#">Vermont</a>	0-19	134,415	3,465	20.1%	17,247	2577.8
<a href="#">Virginia</a>	0-19	2,087,426	87,153	14.5%	600,550	4175.1
<a href="#">Washington</a>	0-19	1,840,306	57,484	16.3%	352,012	3123.6
<a href="#">West Virginia</a>	0-19	402,473	20,097	14.7%	136,716	4993.4
<a href="#">Wisconsin</a>	0-19	1,422,095	99,698	15.9%	627,060	7010.6
<a href="#">Wyoming<sup>#</sup></a>	0-18	140,694	9,061	19.3%	46,946	6439.9

\* 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

^ 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, WY revised case data, resulting in a downward revision of cumulative child cases

# Appendix Table 4: Child Testing Data Available on 3/18/21\*

## 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	3,943,221	693,037	17.6%	19.3%
<a href="#">Illinois</a>	0-19	19,299,281	2,373,541	12.3%	7.8%
<a href="#">Indiana</a>	0-19	8,515,391	1,588,972	18.7%	6.2%
<a href="#">Iowa</a>	0-17	2,092,111	125,527	6.0%	31.2%
<a href="#">Minnesota</a>	0-19	7,735,437	1,035,025	13.4%	8.2%
<a href="#">Nevada</a>	0-19	2,854,529	379,652	13.3%	11.0%
<a href="#">New Hampshire</a>	0-19	1,558,013	244,801	15.7%	5.3%
<a href="#">Rhode Island</a>	0-18	762,133	128,789	16.9%	13.5%
<a href="#">Tennessee</a>	0-20	7,026,813	1,200,284	17.1%	12.0%
<a href="#">West Virginia</a>	0-19	2,330,287	255,632	11.0%	7.9%
<a href="#">Wyoming</a> <sup>#</sup>	0-18	665,701	74,559	11.2%	12.2%

\* 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 3/18/21\*

## 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	24	1,310	1.8%	0.2%
<a href="#">Arizona<sup>#</sup></a>	0-19	1,643	58,448	2.8%	1.2%
<a href="#">Colorado</a>	0-19	701	24,261	2.9%	1.0%
<a href="#">Florida</a>	0-14	1,073	82,786	1.3%	0.7%
<a href="#">Georgia</a>	0-17	1,140	57,635	2.0%	1.2%
<a href="#">Hawaii</a>	0-17	25	1,625	1.5%	0.8%
<a href="#">Idaho</a>	0-17	135	7,390	1.8%	0.7%
<a href="#">Indiana</a>	0-19	700	46,923	1.5%	0.7%
<a href="#">Kansas</a>	0-17	149	9,558	1.6%	0.4%
<a href="#">Minnesota</a>	0-19	809	26,520	3.1%	1.0%
<a href="#">Mississippi</a>	0-17	160	9,347	1.7%	0.4%
<a href="#">Nebraska</a>	0-19	107	6,276	1.7%	0.3%
<a href="#">New Hampshire</a>	0-19	16	1,156	1.4%	0.1%
<a href="#">New Jersey</a>	0-17	875	65,434	1.3%	1.1%
<a href="#">NYC</a>	0-17	1,386	95,417	1.5%	2.1%
<a href="#">Ohio</a>	0-19	1,233	51,837	2.4%	1.0%
<a href="#">Oregon</a>	0-19	235	8,945	2.6%	0.9%
<a href="#">Rhode Island</a>	0-18	190	9,231	2.1%	1.1%
<a href="#">South Carolina</a>	0-20	402	21,181	1.9%	0.4%
<a href="#">South Dakota</a>	0-19	180	6,820	2.6%	1.0%
<a href="#">Tennessee</a>	0-20	441	19,263	2.3%	0.3%
<a href="#">Utah</a>	0-14	317	15,198	2.1%	0.8%
<a href="#">Virginia</a>	0-19	468	25,611	1.8%	0.5%
<a href="#">Washington</a>	0-19	395	19,957	2.0%	0.7%
<a href="#">Wisconsin</a>	0-19	735	26,942	2.7%	0.7%

\* 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

# Appendix Table 6A: Child Mortality Data Available on 3/18/21\*

## 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	8	10,363	0.08%	0.02%
<a href="#">Alaska</a>	0-19	0	303	0.00%	0.00%
<a href="#">Arizona</a>	0-19	24	16,586	0.14%	0.02%
<a href="#">Arkansas</a>	0-17	0	5,507	0.00%	0.00%
<a href="#">California</a>	0-17	15	55,795	0.03%	0.00%
<a href="#">Colorado</a>	0-19	10	6,049	0.17%	0.01%
<a href="#">Connecticut</a>	0-19	6	7,807	0.08%	0.01%
<a href="#">Delaware</a>	0-17	2	1,516	0.13%	0.02%
<a href="#">District of Columbia</a>	0-19	0	1,044	0.00%	0.00%
<a href="#">Florida</a>	0-14	6	32,504	0.02%	0.00%
<a href="#">Georgia</a>	0-17	10	15,997	0.06%	0.01%
<a href="#">Guam</a>	0-19	2	133	1.50%	0.16%
<a href="#">Hawaii</a>	0-17	0	447	0.00%	0.00%
<a href="#">Idaho</a>	0-17	0	1,935	0.00%	0.00%
<a href="#">Illinois</a>	0-19	16	20,988	0.08%	0.01%
<a href="#">Indiana</a>	0-19	7	12,482	0.06%	0.01%
<a href="#">Iowa</a>	0-17	2	5,666	0.04%	0.01%
<a href="#">Kansas</a> <sup>□</sup>	0-17	1	4,837	0.02%	0.00%
<a href="#">Kentucky</a>	0-19	2	5,056	0.04%	0.00%
<a href="#">Louisiana</a>	0-17	7	9,184	0.08%	0.01%
<a href="#">Maine</a>	0-19	0	727	0.00%	0.00%
<a href="#">Maryland</a>	0-19	10	8,099	0.12%	0.02%
<a href="#">Massachusetts</a> <sup>~</sup>	0-19	4	16,281	0.02%	0.01%
<a href="#">Minnesota</a>	0-19	2	6,756	0.03%	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 9/3/20, MA only reported age distribution of deaths added in last two weeks but not for total deaths to date; 3/18/21 totals calculated using MA Dept. of Public Health COVID-19 Dashboard published 3/18/21 (data from 2/28/21-3/13/21) and 2/25/21 version of this report

# 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



# Appendix Table 6B: Child Mortality Data Available on 3/18/21\*

## 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	6,938	0.04%	0.01%
<a href="#">Missouri</a>	0-17	4	8,364	0.05%	0.01%
<a href="#">Nebraska</a>	0-19	4	2,130	0.19%	0.01%
<a href="#">Nevada</a>	0-19	5	5,147	0.10%	0.01%
<a href="#">New Hampshire</a>	0-19	0	1,202	0.00%	0.00%
<a href="#">New Jersey</a>	0-17	6	21,530	0.03%	0.01%
<a href="#">North Carolina</a>	0-17	3	11,757	0.03%	0.00%
<a href="#">North Dakota</a>	0-19	1	1,459	0.07%	0.01%
<a href="#">NYC</a>	0-17	21	25,369	0.08%	0.03%
<a href="#">Ohio~</a>	0-19	4	17,992	0.02%	0.00%
<a href="#">Oklahoma</a>	0-17	1	4,788	0.02%	0.00%
<a href="#">Oregon</a>	0-19	2	2,349	0.09%	0.01%
<a href="#">Pennsylvania</a>	0-19	9	24,689	0.04%	0.01%
<a href="#">Puerto Rico</a>	0-19	3	2,085	0.14%	0.02%
<a href="#">South Dakota</a>	0-19	0	1,915	0.00%	0.00%
<a href="#">Tennessee</a>	0-20	9	11,658	0.08%	0.01%
<a href="#">Texas#</a>	0-19	47	45,318	0.10%	--
<a href="#">Vermont</a>	0-19	0	217	0.00%	0.00%
<a href="#">Virginia</a>	0-19	3	10,182	0.03%	0.00%
<a href="#">Washington</a>	0-19	6	5,156	0.12%	0.01%
<a href="#">Wisconsin</a>	0-19	2	7,201	0.03%	0.00%
<a href="#">Wyoming</a>	0-18	0	693	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

# 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)