

Children and COVID-19: State Data Report

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

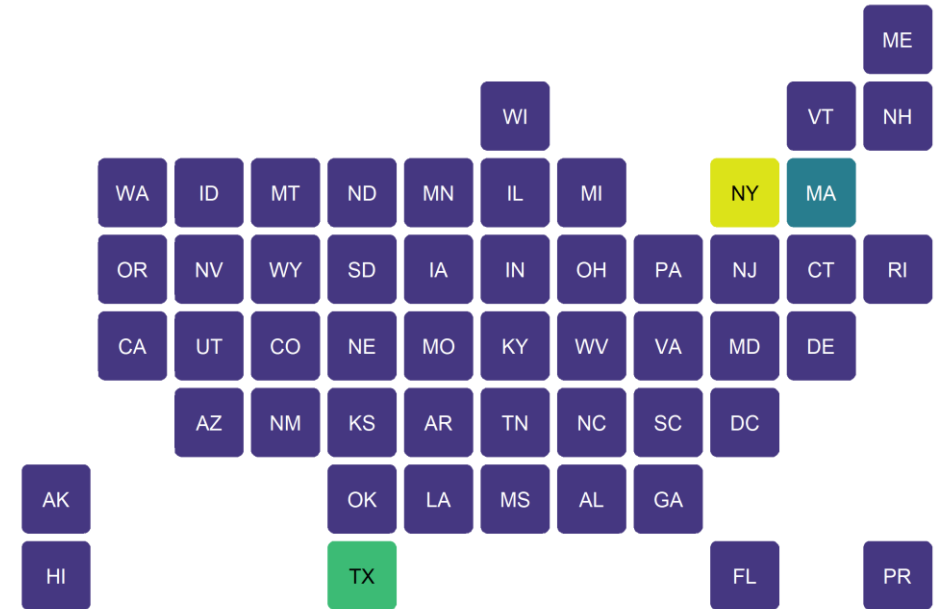
Summary of publicly reported data from 49 states, NYC, DC, PR, and GU

Version: 11/26/20

COVID-19: Available Data for Children

- State-level reports are the best publicly available data on COVID-19 cases in children
- This report summarizes the data that were available on 11/26/20 for number of cases. Due to the holiday, information on testing, hospitalizations, and deaths are not included.
- **49 states, NYC, DC, Puerto Rico and Guam** provided age distributions of reported COVID-19 cases

Fig 1A: States Reporting Age Distribution of COVID-19 Cases as of 11/26/20



Reporting age distribution of COVID-19 cases:

- Yes: Reported age distribution of cases
- TX: Reported age distribution for only 6% of cases
- NY: Only NYC reported age distribution of cases
- MA: Only reported age distribution of cases added in past two 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

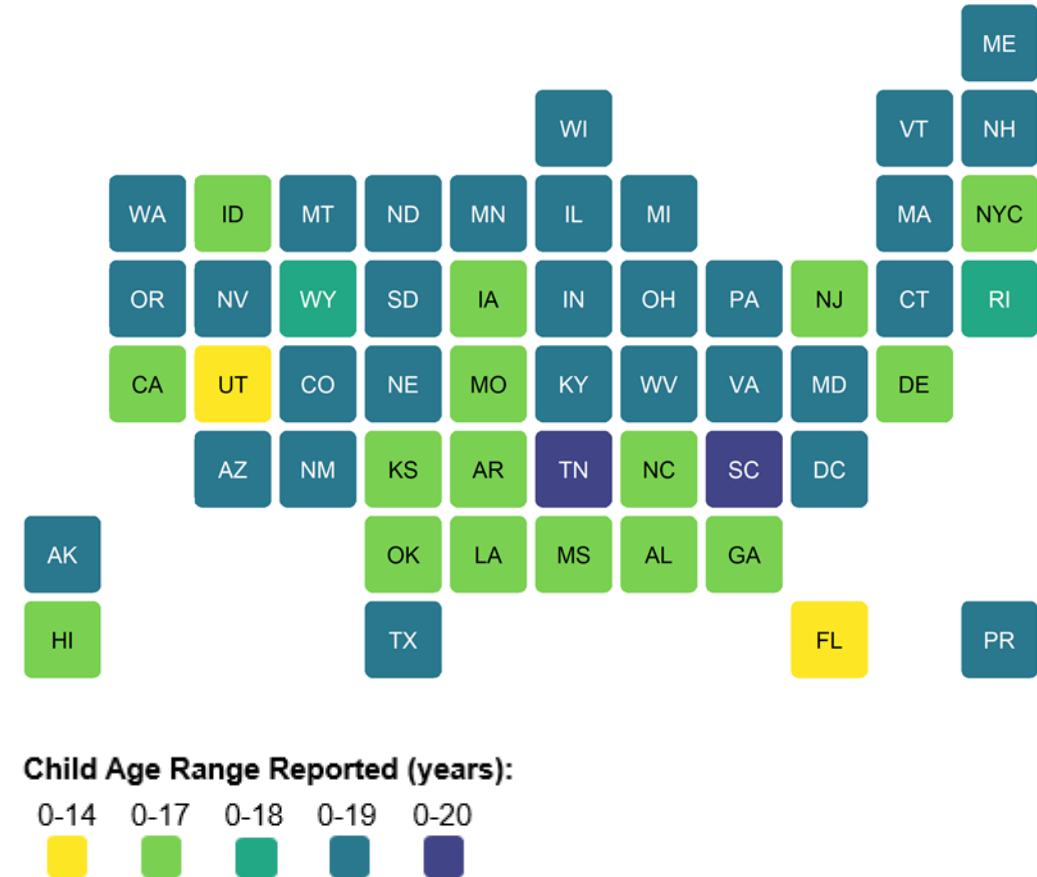
General Limitations

- 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

- NY: Did not provide age distribution for state-wide cases (NYC only)
- TX: Reported age distribution for only 6% of all cases and is excluded from some figures
- AL: As of 8/13, changed definition of child case from 0-24 to 0-17 years; as of 9/17, provided age distribution for confirmed cases only
- HI: As of 8/27, changed definition of child case from 0-19 to 0-17 years
- MA: As of 9/3: 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, changed definition of child case from 0-19 to 0-18 years
- MO: As of 10/1, changed definition of child cases from 0-19 to 0-17 years

Fig 1B: Child Age Ranges of COVID-19 Cases Reported by States as of 11/26/20



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: 11/26/20

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*

- 1,337,217 total child COVID-19 cases reported, and children represented 12.0% (1,337,217/11,184,900) of all cases
- Overall rate: 1,777 cases per 100,000 children in the population

Change in Child COVID-19 Cases*

- 153,608 new child COVID-19 cases were reported the past week from 11/19-11/26 (1,183,609 to 1,337,217)
- Over two weeks, 11/12-11/26, there was a 29% increase in child COVID-19 cases (297,753 new cases (1,039,464 to 1,337,217))

Testing, Hospitalization, and Mortality

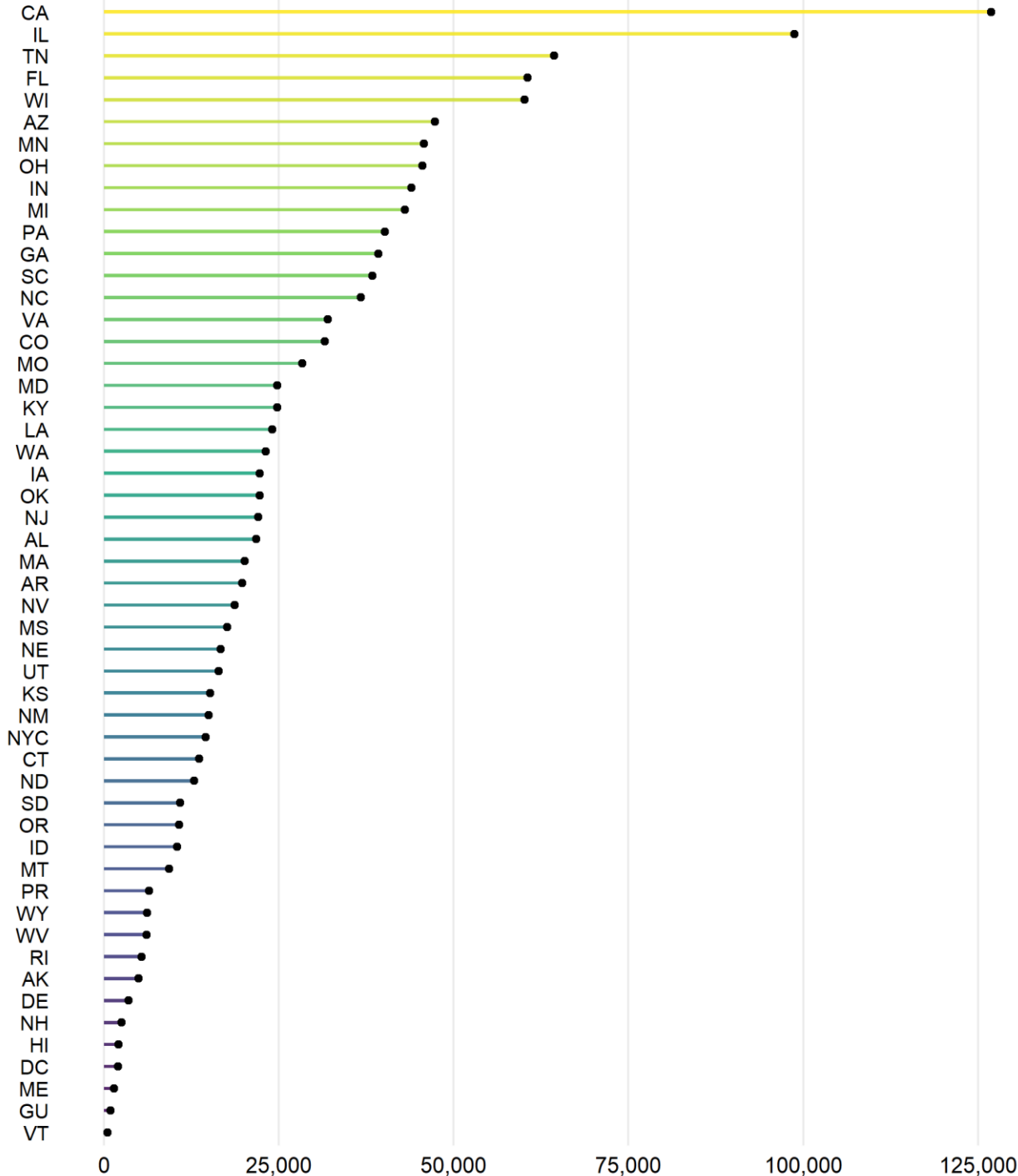
- Testing, hospitalization, and mortality data will be included in the 12/3 report (published on 12/7)

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: 11/26/20

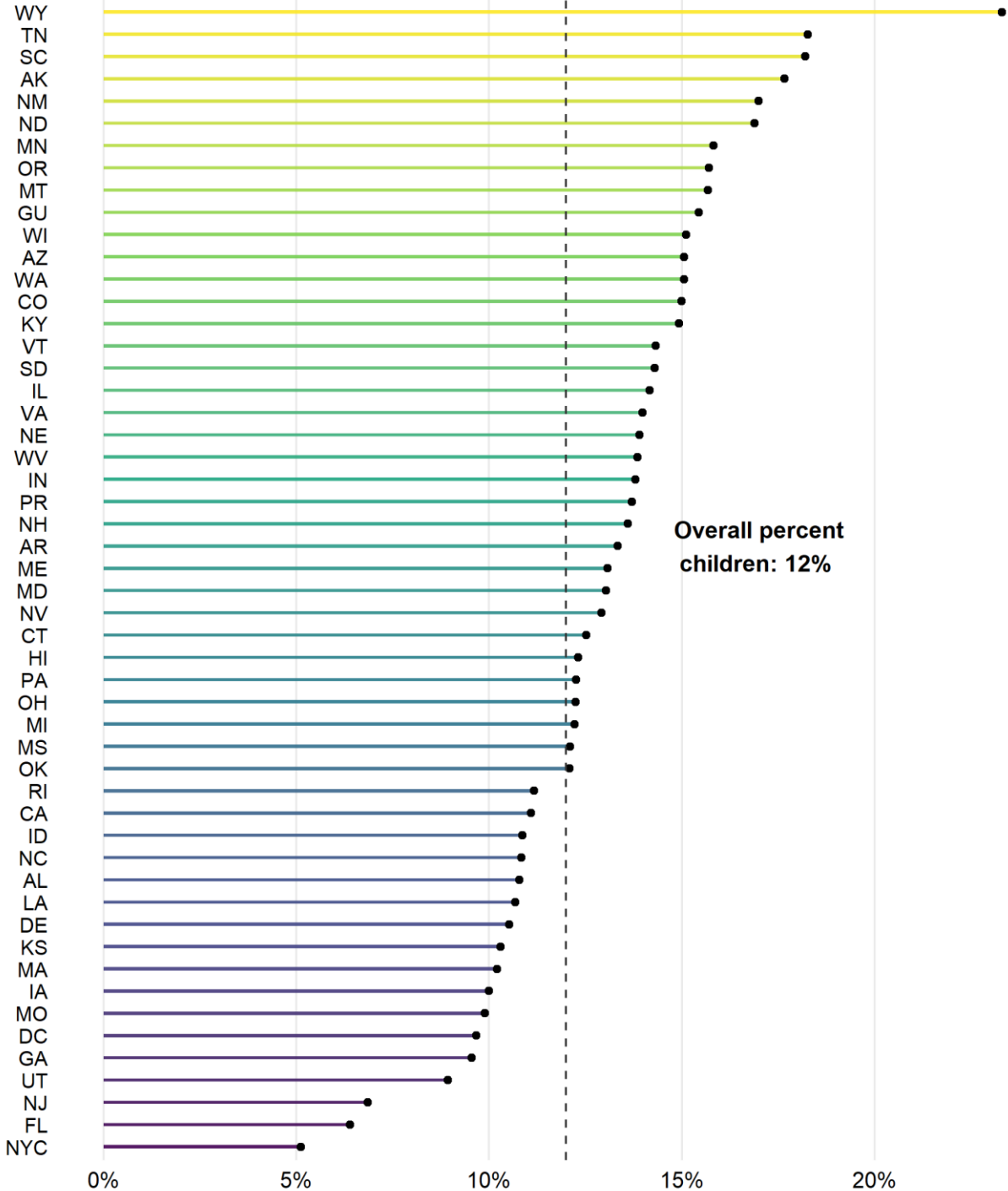
- 1,337,217 total child COVID-19 cases (cumulative)
- Sixteen states reported 30,000+ child cases
- One state reported fewer than 1,000 child cases



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: 11/26/20

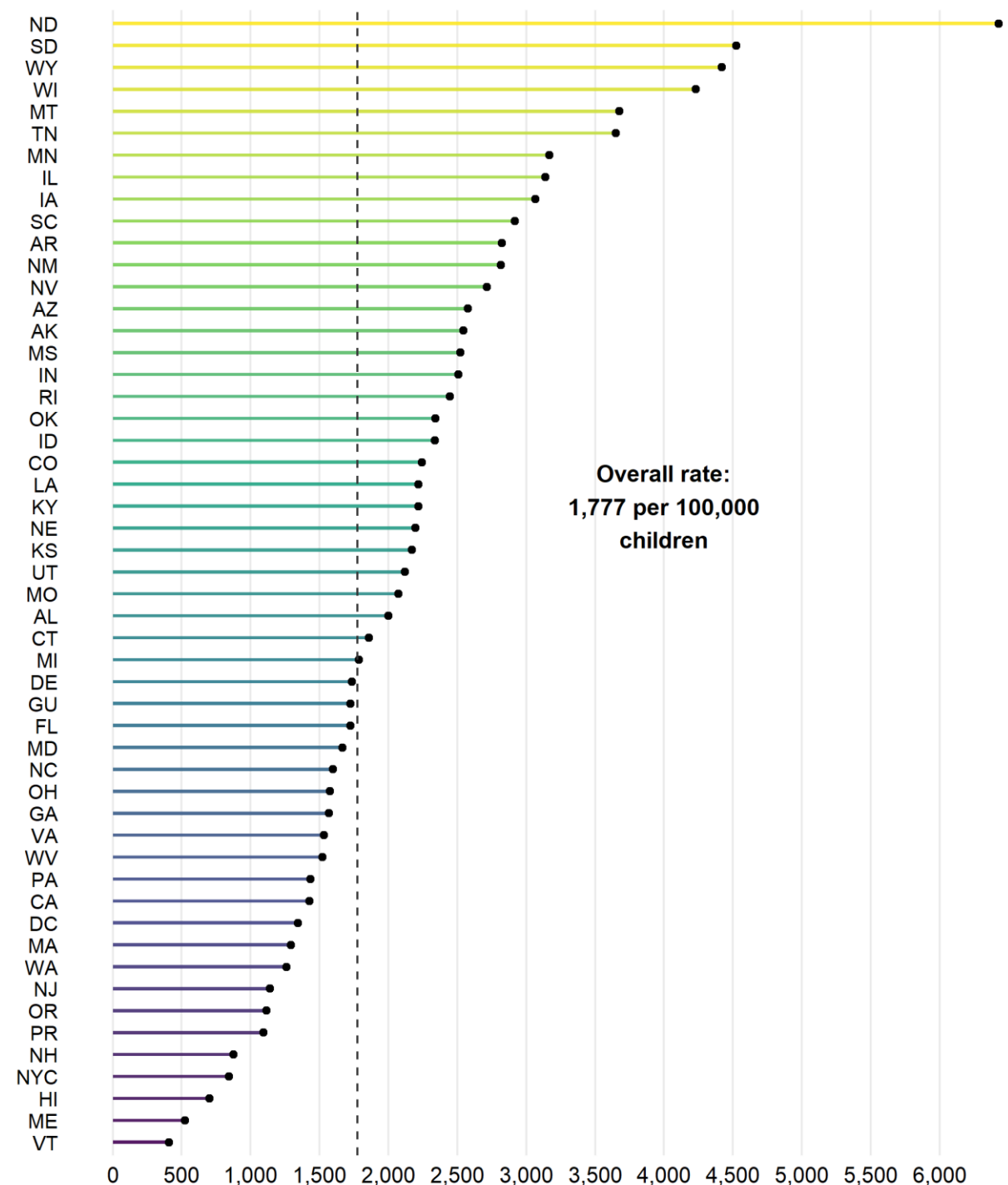
- Children represented 12.0% (1,337,217/11,184,900) of all available cases
- Thirteen states reported 15% or more of cases were children
- NYC reported that only 5.1% of cases were children



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: 11/26/20

- Calculated using state-level population estimates from US Census Bureau (2019)*
- Overall rate: 1,777 child COVID-19 cases per 100,000 children in the population
- Nine states reported more than 3,000 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

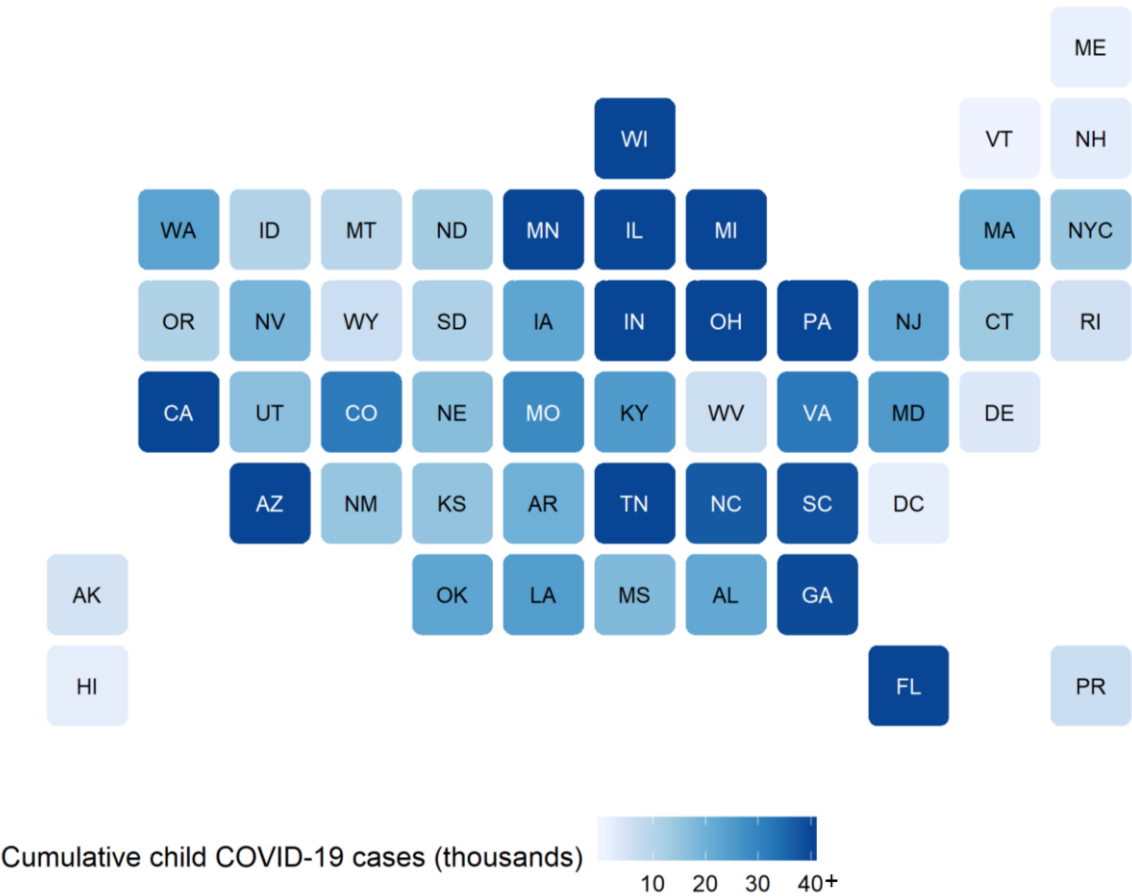
* Source: US Census Bureau, State Population by Characteristics: 2010-2019,

<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

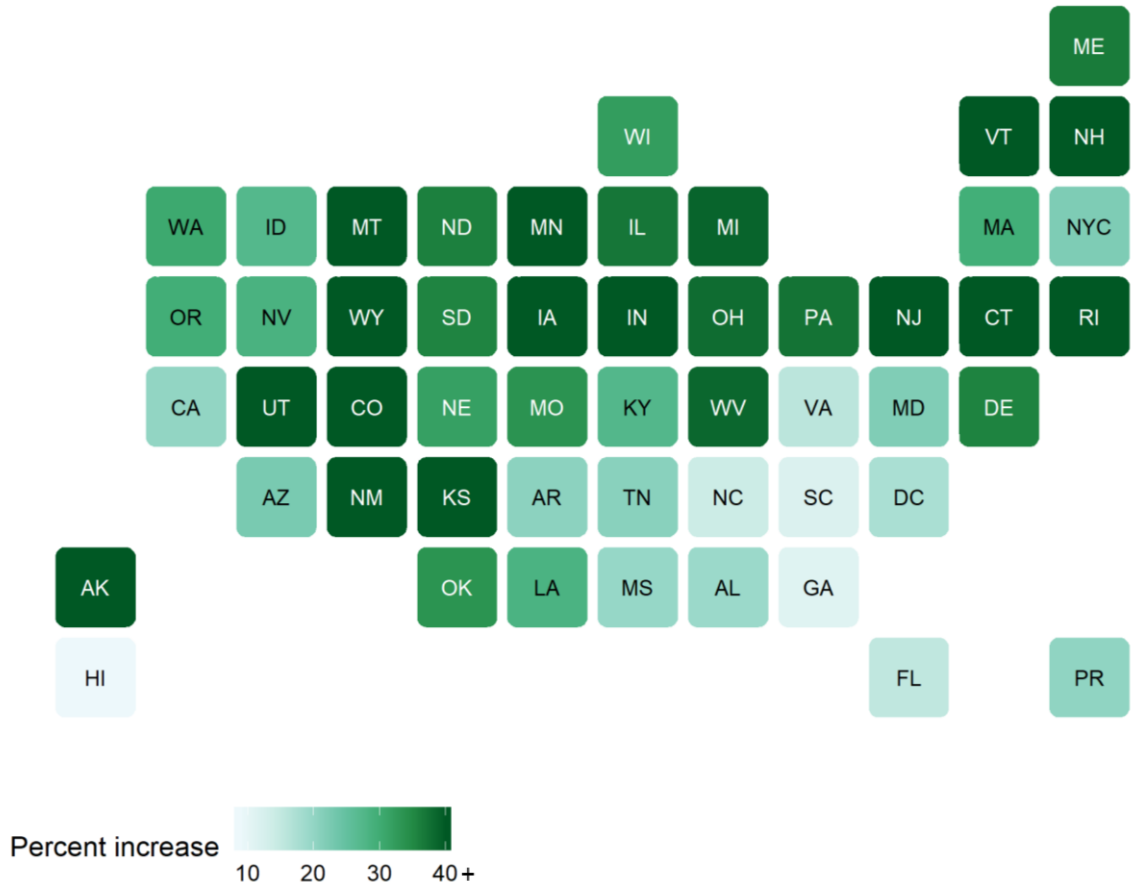
A. Cumulative Child COVID-19 Cases, 11/26/20

16 states with 30,000+ cumulative child cases



B. Percent Increase in Child Cases, 11/12/20-11/26/20

From 11/12-11/26, there were 297,753 new child cases reported (1,039,464 to 1,337,217); 29% increase)



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

Appendix Table 1: Case Data Available on 11/26/20

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	11,184,900	1,337,217	12.0%	1776.6

* 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 – 11/26*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases^	Percent children of total cases	Cases per 100,000 children
11/26/20	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
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 [#]	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

* 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, MO changed definition of child case from 0-19 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 – 11/26*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases^	Percent children of total cases	Cases per 100,000 children
8/13/20	49 states, NYC, DC, PR, and GU#	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
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

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

Appendix Table 3A: Child COVID-19 Case Data Available on 11/26/20*



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
Alabama[^]	0-17	1,088,668	21,769	10.8%	201,755	1999.6
Alaska	0-19	196,852	5,006	17.7%	28,339	2543.0
Arizona	0-19	1,838,598	47,344	15.1%	314,326	2575.0
Arkansas	0-17	700,155	19,769	13.3%	148,312	2823.5
California	0-17	8,894,641	126,874	11.1%	1,144,049	1426.4
Colorado	0-19	1,407,971	31,573	15.0%	210,630	2242.5
Connecticut	0-19	735,193	13,665	12.5%	109,152	1858.7
Delaware	0-17	203,572	3,535	10.5%	33,579	1736.5
District of Columbia	0-19	149,337	2,005	9.7%	20,736	1342.6
Florida	0-14	3,512,139	60,570	6.4%	946,956	1724.6
Georgia	0-17	2,503,881	39,238	9.5%	411,002	1567.1
Guam	0-19	57,727	996	15.4%	6,452	1725.4
Hawaii	0-17	299,868	2,109	12.3%	17,140	703.3
Idaho	0-17	448,201	10,482	10.9%	96,503	2338.7
Illinois	0-19	3,145,309	98,756	14.2%	697,489	3139.8
Indiana	0-19	1,755,070	44,007	13.8%	318,894	2507.4
Iowa	0-17	726,841	22,280	10.0%	222,798	3065.3
Kansas	0-17	700,250	15,212	10.3%	147,797	2172.4
Kentucky	0-19	1,118,934	24,800	14.9%	166,139	2216.4
Louisiana	0-17	1,087,630	24,113	10.7%	225,638	2217.0
Maine	0-19	281,158	1,472	13.1%	11,265	523.5
Maryland	0-19	1,489,721	24,833	13.0%	190,480	1667.0
Massachusetts[#]	0-19	1,558,231	20,137	10.2%	197,329	1292.3
Michigan	0-19	2,407,690	43,038	12.2%	352,433	1787.5
Minnesota	0-19	1,445,346	45,778	15.8%	289,303	3167.3
Mississippi	0-17	698,583	17,629	12.1%	145,636	2523.5
Missouri[†]	0-17	1,370,585	28,399	9.9%	287,263	2072.0

* 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, AL changed definition of child case from 0-24 to 0-17 years

As of 9/3, MA only reported age distribution of cases added in last two weeks but not for total cases to date; 11/26 totals calculated using MA Dept. of Public Health Weekly Report published 11/27 (data from 11/8-11/21) and 11/5 version of this report

† As of 10/1, MO changed definition of child case from 0-19 to 0-17 years

Appendix Table 3B: Child COVID-19 Case Data Available on 11/26/20*



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
Montana	0-19	254,416	9,354	15.7%	59,682	3676.7
Nebraska	0-19	760,272	16,691	13.9%	120,076	2195.3
Nevada	0-19	688,997	18,691	12.9%	144,781	2712.8
New Hampshire	0-19	291,038	2,553	13.6%	18,776	877.2
New Jersey	0-17	1,938,578	22,096	6.9%	322,378	1139.8
New Mexico	0-19	531,712	14,970	17.0%	88,102	2815.4
North Carolina	0-17	2,300,715	36,783	10.8%	339,194	1598.8
North Dakota	0-19	200,777	12,907	16.9%	76,442	6428.5
NYC	0-17	1,726,900	14,585	5.1%	285,219	844.6
Ohio	0-19	2,886,873	45,525	12.2%	371,908	1577.0
Oklahoma	0-17	952,238	22,277	12.1%	184,342	2339.4
Oregon	0-19	965,480	10,759	15.7%	68,503	1114.4
Pennsylvania	0-19	2,801,187	40,195	12.3%	327,829	1434.9
Puerto Rico	0-19	594,011	6,487	13.7%	47,345	1092.1
Rhode Island	0-18	220,525	5,394	11.2%	48,325	2446.0
South Carolina	0-20	1,314,988	38,385	18.2%	210,905	2919.0
South Dakota	0-19	240,567	10,886	14.3%	76,142	4525.1
Tennessee	0-20	1,762,659	64,374	18.3%	352,376	3652.1
Texas^	0-19	8,210,585	4,246	6.9%	61,684	--
Utah	0-14	774,764	16,437	8.9%	183,902	2121.5
Vermont	0-19	134,415	548	14.3%	3,827	407.7
Virginia	0-19	2,087,426	31,997	14.0%	228,900	1532.8
Washington	0-19	1,840,306	23,178	15.1%	153,906	1259.5
West Virginia	0-19	402,473	6,119	13.9%	44,180	1520.3
Wisconsin	0-19	1,422,095	60,175	15.1%	398,104	4231.4
Wyoming	0-18	140,694	6,216	23.3%	26,677	4417.9

* Note: Data represent cumulative counts since states began reporting; All data reported by state/local health departments are preliminary and subject to change
^ Texas reported age for only 6% 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

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 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 for download on a weekly basis.

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

Mitch Harris, PhD

Director of Research

Children's Hospital Association

Mitch.Harris@childrenshospitals.org

- For media inquiries, please contact:

Lisa Black

Media Relations

American Academy of Pediatrics

lblack@aap.org

Gillian Ray

External Relations

Children's Hospital Association

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)