

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: 7/23/20



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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 7/23/20
- **49 states, NYC, DC, Puerto Rico and Guam** provided age distributions of reported COVID-19 cases
 - 8 states provided age distribution of testing
 - 20 states and NYC provided age distribution of hospitalizations
 - 44 states and NYC provided age distribution of deaths

Fig 1A: States Reporting Age Distribution of COVID-19 Cases as of 7/23/20



Reporting age distribution of COVID-19 cases:

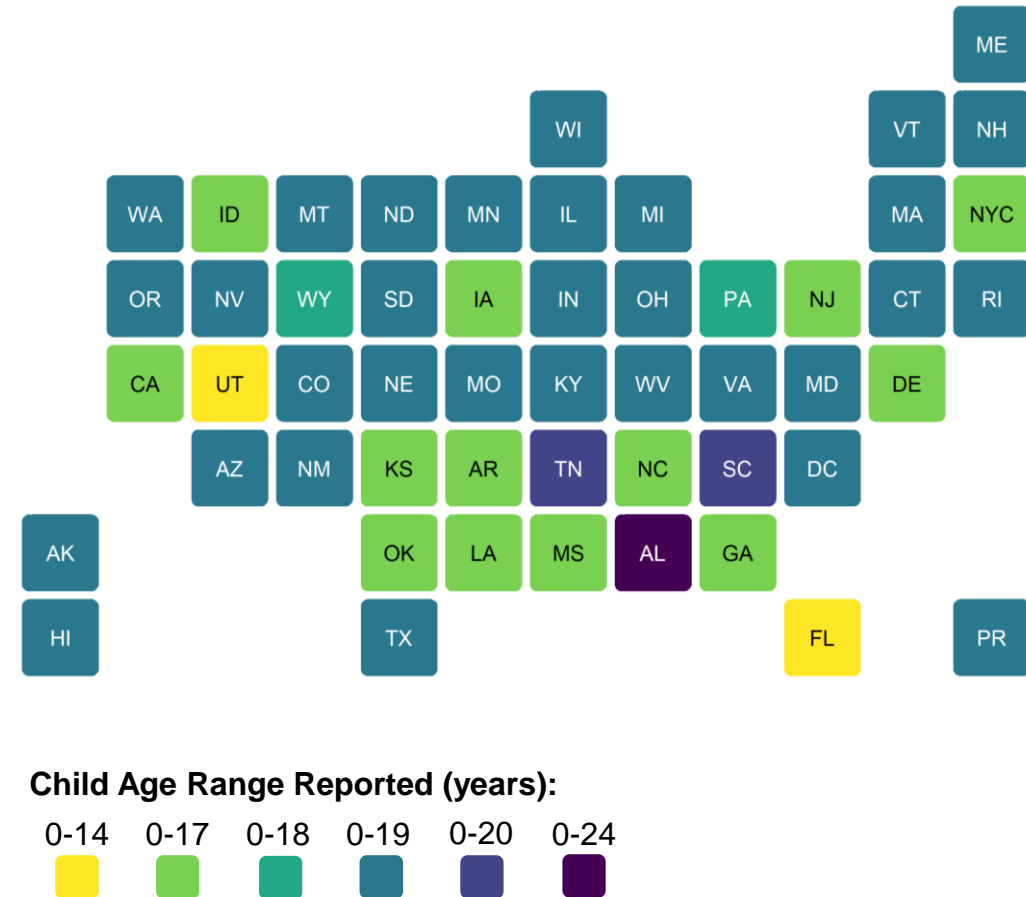
- Yes: Reported age distribution of cases
- Texas: Reported age distribution for only 8% of cases
- New York: Only NYC reported age distribution of cases

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

- 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, 0-20, and 0-24 years; see Fig 1B)
- New York did not provide age distribution for state-wide cases (NYC only)
- Texas reported age distribution for only 8% of all cases and is excluded from some figures
- Alabama reported children as ages 0-24 and is excluded from some figures
- Unknown: number of children infected but not tested and confirmed

Fig 1B: Child Age Ranges of COVID-19 Cases Reported by States as of 7/23/20



See detail in Appendix: Data from 49 states, NYC, DC, PR, and GU
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Children and COVID-19: 7/23/20

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*

- 288,287 total child COVID-19 cases reported, and children represented 8.4% (288,287/3,416,630) of all cases
- Overall rate: 380 cases per 100,000 children in the population

Change in Child COVID-19 Cases, 7/9/20 – 7/23/20

- 88,103 new child cases reported from 7/9-7/23 (200,184 to 288,287), a 44% increase in child cases

Testing (8 states reported)*

- Children made up between 3%-11.3% of total state tests, and between 3.6%-18.4% of children tested were tested positive

Hospitalizations (20 states and NYC reported)*

- Children were 0.8%-2.9% of total reported hospitalizations, and between 0.6%-9% of all child COVID-19 cases resulted in hospitalization

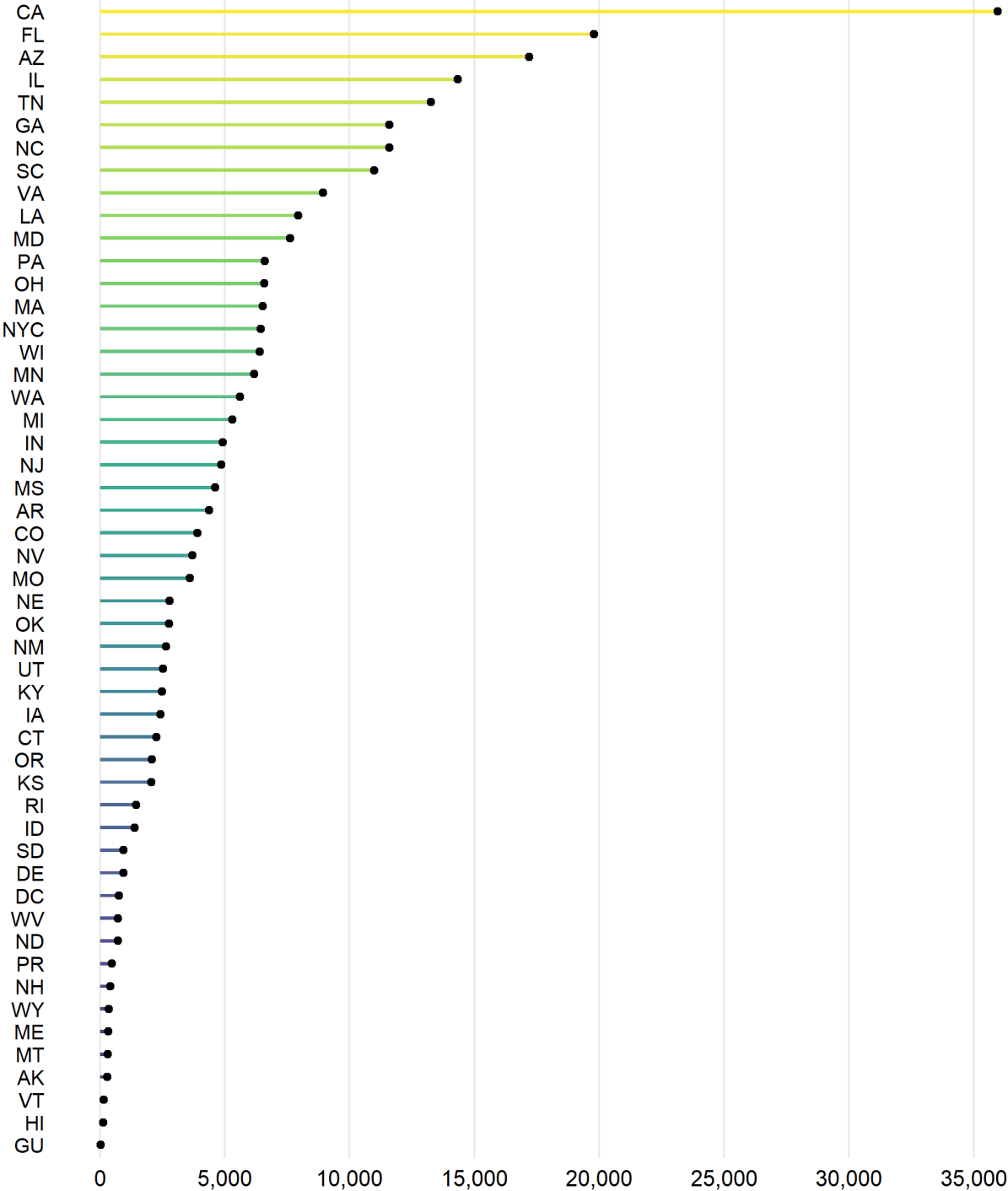
Mortality (44 states and NYC reported)*

- Children were 0%-0.8% of all COVID-19 deaths, and 20 states reported zero child deaths
- In states reporting, 0%-0.3% of all child COVID-19 cases resulted in death

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

Fig 2. Cumulative Number of Child COVID-19 Cases: 7/23/20

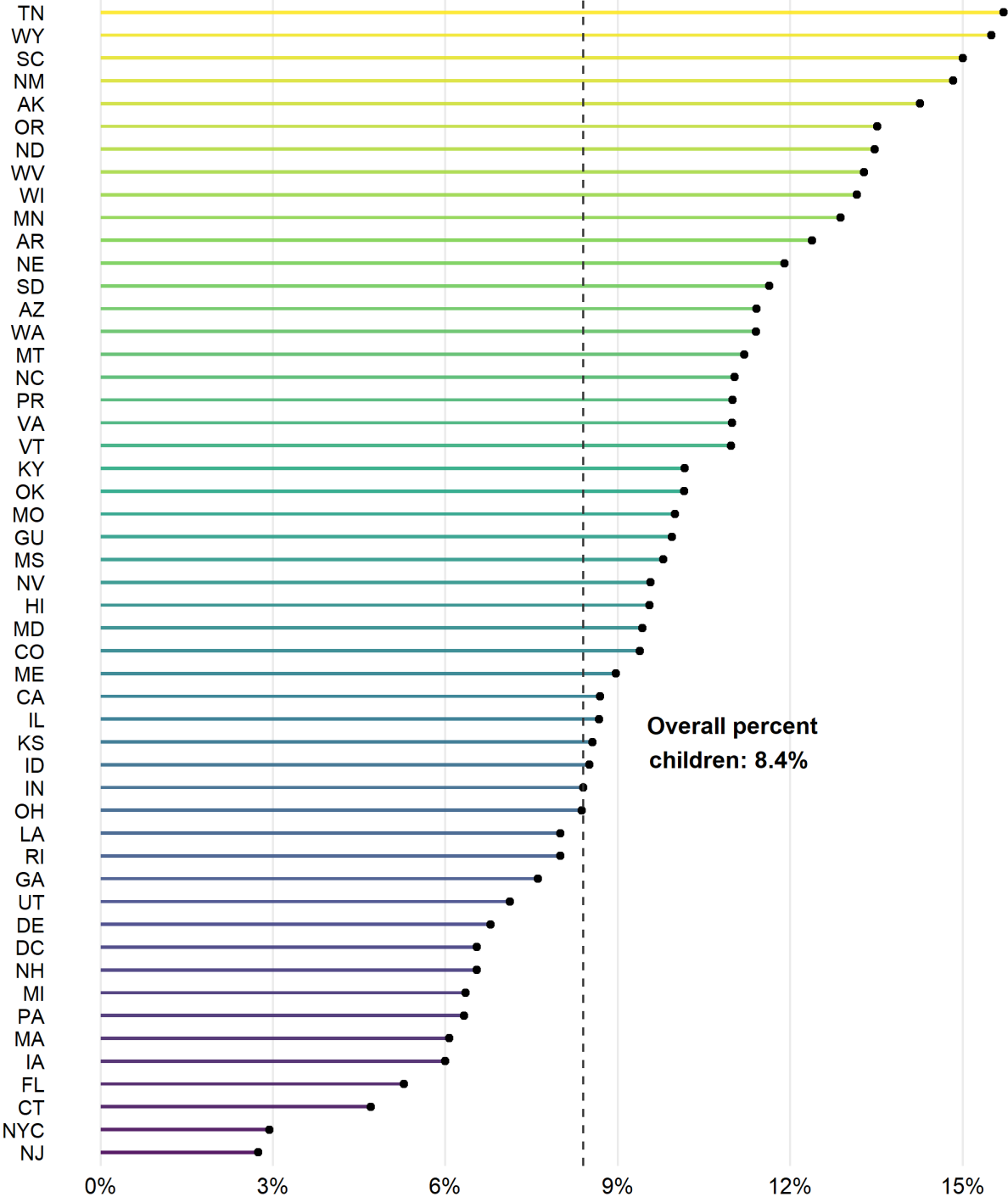
- 288,287 total child COVID-19 cases (cumulative)
- Nine states with 10,000+ cumulative child cases
- Twenty states reported 5,000+ child cases
- Twelve states reported fewer than 1,000 child cases



See detail in Appendix: Data from 47 states, NYC, DC, PR, and GU (AL and 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: 7/23/20

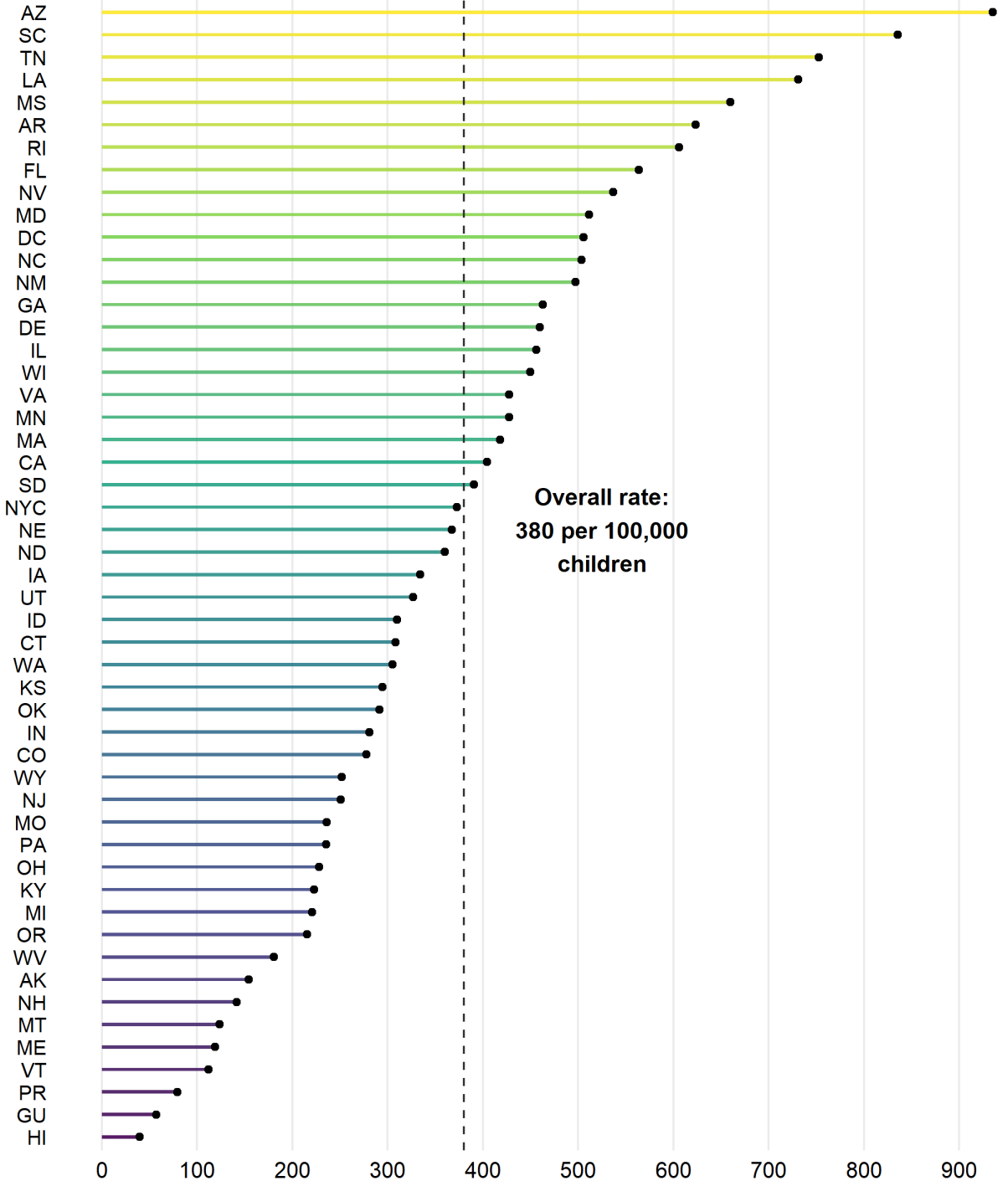
- Children represented 8.4% (288,287/3,416,630) of all available cases
- Twenty-three states and PR reported 10% or more of cases were children
- NJ and NYC reported that less than 3% of cases were children



See detail in Appendix: Data from 47 states, NYC, DC, PR, and GU (AL and 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: 7/23/20

- Calculated using state-level population estimates from US Census Bureau (2019)*
- Overall rate: 380 child COVID-19 cases per 100,000 children in the population
- Twenty-nine states, NYC, and DC reported more than 300 cases per 100,000 children

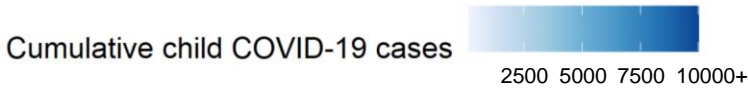
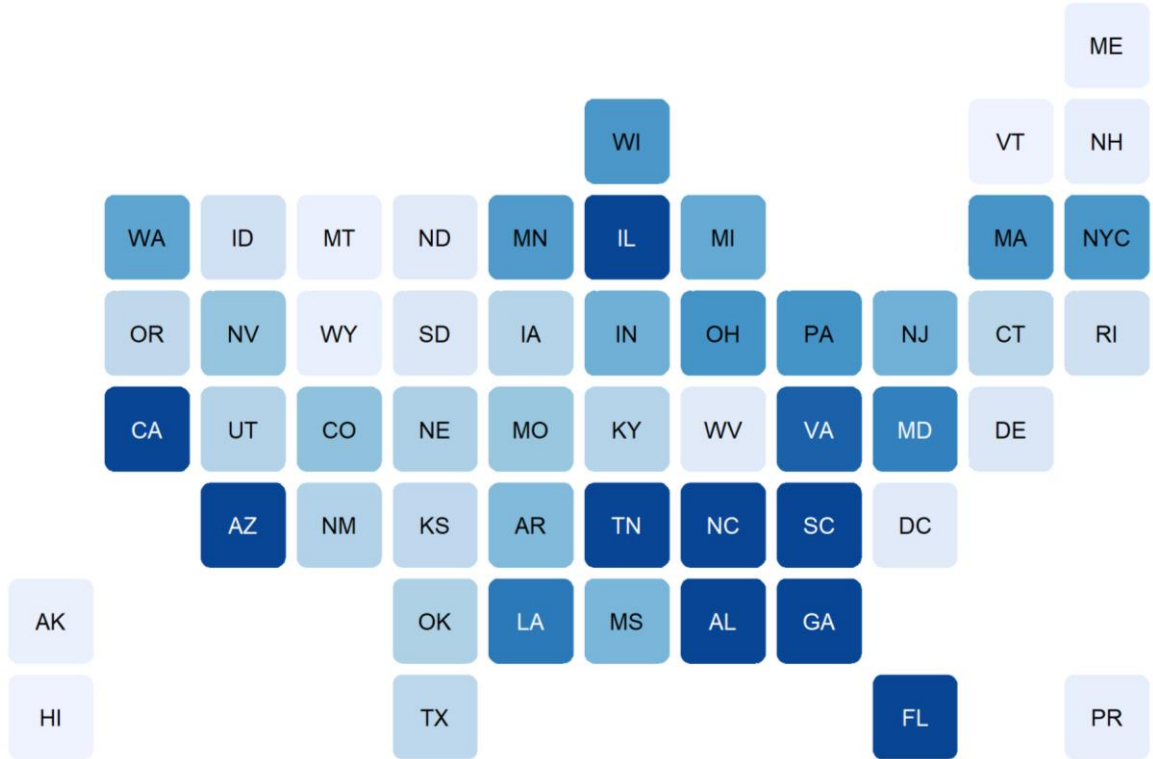


See detail in Appendix: Data from 47 states, NYC, DC, PR, and GU (AL and TX excluded from figure)
 All data reported by state/local health departments are preliminary and subject to change
 Analysis by American Academy of Pediatrics and Children's Hospital Association
 * Source: US Census Bureau, State 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

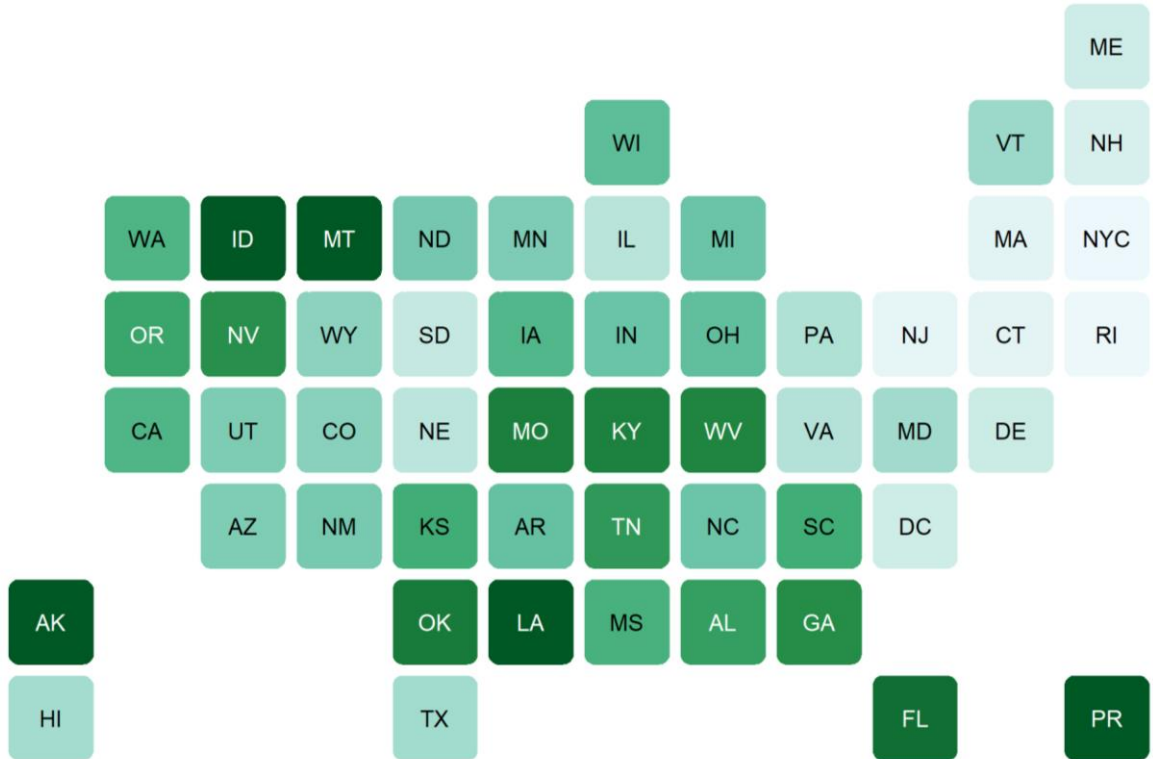
A. Cumulative Child COVID-19 Cases, 7/23/20

Nine states with 10,000+ cumulative child COVID-19 cases



B. Percent Increase in Child Cases, 7/9/20-7/23/20

From 7/9-7/23, there were 88,103 new child cases reported (200,184 to 288,287; 44% increase), with 8 out of 10 new child cases reported from states in the South and West



See detail in Appendix: Data from 49 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 7/23/20

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
75,921,562	3,416,630	288,287	8.4%	379.7

* 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 – 7/23*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases [^]	Percent children of total cases	Cases per 100,000 children
7/23/20	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
5/7/230	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 – 7/23*

Date	Number of locations reporting age distribution of hospitalizations	Cumulative total hospitalizations (all ages)	Cumulative child hospitalizations	Percent children of total hospitalizations	Hospitalization rate [^]
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%	2.9%
6/11/20	19 states and NYC	134,600	1,322	1.0%	3.3%
6/4/20	19 states and NYC	128,779	1,231	1.0%	3.3%
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 – 7/23*

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 [^]
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 7/23/20*



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^	0-24	1,538,530	15,784	22.0%	71,813	--
Alaska	0-19	196,852	304	14.3%	2,132	154.4
Arizona	0-19	1,838,598	17,193	11.4%	150,609	935.1
Arkansas	0-17	700,155	4,364	12.4%	35,246	623.3
California	0-17	8,894,641	35,962	8.7%	413,576	404.3
Colorado	0-19	1,407,971	3,911	9.4%	41,698	277.8
Connecticut	0-19	735,193	2,268	4.7%	48,223	308.5
Delaware	0-17	203,572	936	6.8%	13,792	459.8
District of Columbia	0-19	149,337	755	6.5%	11,529	505.6
Florida	0-14	3,512,139	19,794	5.3%	374,920	563.6
Georgia	0-17	2,503,881	11,589	7.6%	152,302	462.8
Guam	0-19	57,727	33	9.9%	332	57.2
Hawaii	0-19	330,092	131	9.6%	1,371	39.7
Idaho	0-17	448,201	1,388	8.5%	16,322	309.7
Illinois	0-19	3,145,309	14,342	8.7%	165,301	456.0
Indiana	0-19	1,755,070	4,929	8.4%	58,673	280.8
Iowa	0-17	726,841	2,431	6.0%	40,509	334.4
Kansas	0-17	700,250	2,063	8.6%	24,104	294.6
Kentucky	0-19	1,118,934	2,494	10.2%	24,540	222.9
Louisiana	0-17	1,087,630	7,952	8.0%	99,354	731.1
Maine	0-19	281,158	335	9.0%	3,737	119.2
Maryland	0-19	1,489,721	7,621	9.4%	80,836	511.6
Massachusetts	0-19	1,558,231	6,516	6.1%	107,413	418.2
Michigan	0-19	2,407,690	5,315	6.3%	83,730	220.8
Minnesota	0-19	1,445,346	6,177	12.9%	47,961	427.4
Mississippi	0-17	698,583	4,609	9.8%	47,071	659.8
Missouri	0-19	1,527,291	3,605	10.0%	36,063	236.0

* 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 5/7, Alabama is reporting child cases as ages 0-24 (was previously reporting ages 0-18); Cases per 100,000 children omitted for AL

Appendix Table 3B: Child COVID-19 Case Data Available on 7/23/20*



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	315	11.2%	2,813	123.8
Nebraska	0-19	760,272	2,795	11.9%	23,486	367.6
Nevada	0-19	688,997	3,700	9.6%	38,657	537.0
New Hampshire	0-19	291,038	412	6.5%	6,295	141.6
New Jersey	0-17	1,938,578	4,867	2.7%	177,645	251.1
New Mexico	0-19	531,712	2,644	14.8%	17,828	497.3
North Carolina	0-17	2,300,715	11,586	11.0%	105,001	503.6
North Dakota	0-19	200,777	723	13.5%	5,367	360.1
NYC	0-17	1,726,900	6,438	2.9%	219,128	372.8
Ohio	0-19	2,886,873	6,591	8.4%	78,742	228.3
Oklahoma	0-17	952,238	2,773	10.2%	27,301	291.2
Oregon	0-19	965,480	2,080	13.5%	15,393	215.4
Pennsylvania	0-18	2,801,187	6,600	6.3%	104,358	235.6
Puerto Rico	0-19	594,011	473	11.0%	4,298	79.6
Rhode Island	0-19	238,453	1,445	8.0%	18,062	606.0
South Carolina	0-20	1,314,988	10,984	15.0%	73,227	835.3
South Dakota	0-19	240,567	940	11.6%	8,077	390.7
Tennessee	0-20	1,762,659	13,264	15.7%	84,417	752.5
Texas[^]	0-19	8,210,585	2,157	7.3%	29,588	--
Utah	0-14	774,764	2,533	7.1%	35,578	326.9
Vermont	0-19	134,415	151	11.0%	1,377	112.3
Virginia	0-19	2,087,426	8,927	11.0%	81,237	427.7
Washington	0-19	1,840,306	5,614	11.4%	49,247	305.1
West Virginia	0-19	402,473	728	13.3%	5,480	180.8
Wisconsin	0-19	1,422,095	6,392	13.2%	48,583	449.5
Wyoming	0-18	140,694	355	15.5%	2,288	252.1

* 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 8% of total confirmed cases; Cases per 100,000 children omitted for Texas

Appendix Table 4: Child Testing Data Available on 7/23/20*

COVID-19 Testing and Children

Location	Age range	Cumulative total tests (all ages)	Cumulative child tests	Percent children of total tests	Positive rate [^]
Arizona	0-19	822,713	93,267	11.3%	18.4%
Illinois	0-19	2,348,487	175,936	7.5%	8.2%
Indiana	0-19	654,413	57,588	8.8%	8.6%
Iowa	0-17	928,655	27,860	3.0%	8.7%
Missouri	0-19	589,460	39,008	6.6%	9.2%
Nevada	0-19	401,440	29,743	7.4%	12.4%
West Virginia	0-19	247,498	20,221	8.2%	3.6%
Wyoming	0-18	46,905	5,244	11.2%	6.8%

* 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

Appendix Table 5: Child Hospitalization Data Available on 7/23/20*

COVID-19-Associated Hospitalizations and Children

Location	Age range	Cumulative child hospitalizations	Cumulative total hospitalizations (all ages)	Percent children of total hospitalizations	Hospitalization rate^
Arizona	0-19	111	7,047	1.6%	0.6%
Colorado	0-19	146	6,133	2.4%	3.7%
Florida	0-14	202	22,243	0.9%	1.0%
Georgia	0-17	206	15,922	1.3%	1.8%
Hawaii	0-19	1	130	0.8%	0.8%
Kansas	0-17	24	1,545	1.6%	1.2%
Massachusetts	0-19	118	11,759	1.0%	1.8%
Mississippi	0-17	50	3,844	1.3%	1.1%
Nebraska	0-19	39	1,522	2.6%	1.4%
New Hampshire	0-19	9	680	1.3%	2.2%
New Jersey	0-17	194	21,184	0.9%	4.0%
North Dakota	0-19	4	317	1.3%	0.6%
NYC	0-17	580	55,797	1.0%	9.0%
Ohio	0-19	178	9,864	1.8%	2.7%
Oregon	0-19	30	1,433	2.1%	1.4%
Rhode Island	0-19	43	2,127	2.0%	2.9%
South Dakota	0-19	23	790	2.9%	2.4%
Utah	0-14	32	2,135	1.5%	1.3%
Virginia	0-19	134	7,437	1.8%	1.5%
Washington	0-19	68	5,211	1.3%	1.2%
Wisconsin	0-19	112	4,225	1.0%	1.8%

* 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 6A: Child Mortality Data Available on 7/23/20*

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 [^]
Alabama	0-24	5	1,364	0.4%	0.0%
Arizona	0-19	10	2,974	0.3%	0.1%
Arkansas	0-17	0	380	0.0%	0.0%
California	0-17	0	7,793	0.0%	0.0%
Colorado	0-19	3	1,643	0.2%	0.1%
Connecticut	0-19	2	4,406	0.0%	0.1%
Delaware	0-17	0	527	0.0%	0.0%
District of Columbia	0-19	0	580	0.0%	0.0%
Florida	0-14	3	5,345	0.1%	0.0%
Georgia	0-17	1	3,335	0.0%	0.0%
Hawaii	0-19	0	23	0.0%	0.0%
Idaho	0-17	0	135	0.0%	0.0%
Illinois	0-19	5	7,347	0.1%	0.0%
Indiana	0-19	3	2,666	0.1%	0.1%
Iowa	0-17	0	815	0.0%	0.0%
Kansas	0-17	0	308	0.0%	0.0%
Kentucky	0-19	1	677	0.1%	0.0%
Louisiana	0-17	4	3,558	0.1%	0.1%
Maine	0-19	1	118	0.8%	0.3%
Maryland	0-19	1	3,281	0.0%	0.0%
Massachusetts	0-19	0	8,468	0.0%	0.0%
Michigan	0-19	5	6,388	0.1%	0.1%
Minnesota	0-19	1	1,552	0.1%	0.0%

* 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 6B: Child Mortality Data Available on 7/23/20*

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 [^]
Mississippi	0-17	0	1,423	0.0%	0.0%
Missouri	0-19	1	1,159	0.1%	0.0%
Nebraska	0-19	1	311	0.3%	0.0%
Nevada	0-19	3	704	0.4%	0.1%
New Hampshire	0-19	0	402	0.0%	0.0%
New Jersey	0-17	2	13,787	0.0%	0.0%
North Carolina	0-17	1	1,698	0.1%	0.0%
North Dakota	0-19	0	96	0.0%	0.0%
NYC	0-17	13	18,803	0.1%	0.2%
Ohio	0-19	2	3,235	0.1%	0.0%
Oklahoma	0-17	1	474	0.2%	0.0%
Oregon	0-19	0	271	0.0%	0.0%
Pennsylvania	0-18	0	7,063	0.0%	0.0%
Rhode Island	0-19	0	997	0.0%	0.0%
South Carolina	0-20	2	1,212	0.2%	0.0%
South Dakota	0-19	0	119	0.0%	0.0%
Tennessee	0-20	3	888	0.3%	0.0%
Texas	0-19	2	764	0.3%	0.1%
Vermont	0-19	0	56	0.0%	0.0%
Virginia	0-19	0	2,054	0.0%	0.0%
Washington	0-19	0	1,468	0.0%	0.0%
Wisconsin	0-19	0	872	0.0%	0.0%

* 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

Contact Information and Resources

- This report is a collaborative effort from the American Academy of Pediatrics and the Children’s Hospital Association – for questions about this report, please contact:

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- Visit the [AAP Critical Updates](#) site for daily updates, resources, and guidance on COVID-19 and pediatrics