

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: 7/9/20

COVID-19: Available Data for Children

- State-level reports are the best publicly available data on COVID-19 cases in children; detail varies substantially by state
- This report summarizes what was available on 7/9/20
- **49 states, NYC, DC, Puerto Rico and Guam** provided age distributions of reported COVID-19 cases
 - 7 states provided age distribution of testing
 - 20 states and NYC provided age distribution of hospitalizations
 - 42 states and NYC provided age distribution of deaths
- Age ranges reported for children varied by state: 0-14, 0-17, 0-18, 0-19, and 0-24 years
- Texas reported age distribution for only 11% of all cases and is excluded from some figures
- Unknown: number of children infected but not tested and confirmed

Fig 1: States Reporting Age Distribution of COVID-19 Cases as of 7/9/20



Reporting age distribution of COVID-19 cases:

- Yes, reports age distribution of cases
- Only NYC reports age distribution of cases
- Reports age distribution for only 11% 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

Children and COVID-19: 7/9/20

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*

- 200,184 total child COVID-19 cases reported, and children represented 7.6% (200,184/2,651,066) of all cases
- Overall rate: 279 cases per 100,000 children in the population

Change in Child COVID-19 Cases, 6/25/20 – 7/9/20

- 61,971 new child cases reported from 6/25-7/9 (138,213 to 200,184), a 45% increase in child cases

Testing*

- In 7 states reporting, children made up between 5.7%-10.9% of total state tests

Hospitalizations*

- In 20 states and NYC, children were 0.8%-2.9% of total reported hospitalizations
- Across states, between 0.7%-9.1% of all child COVID-19 cases resulted in hospitalization

Mortality*

- In 42 states and NYC, children were 0%-0.5% of all COVID-19 deaths; 22 states reported zero child deaths
- In states reporting, 0%-0.2% of all child COVID-19 cases resulted in death

* Note: Data represent cumulative counts since states began reporting
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: 7/9/20

- 200,184 total child COVID-19 cases (cumulative)
- Eleven states with 6,000+ cumulative child cases
- Over half of US states reported 2,500+ child cases
- Four states with fewer than 200 child cases

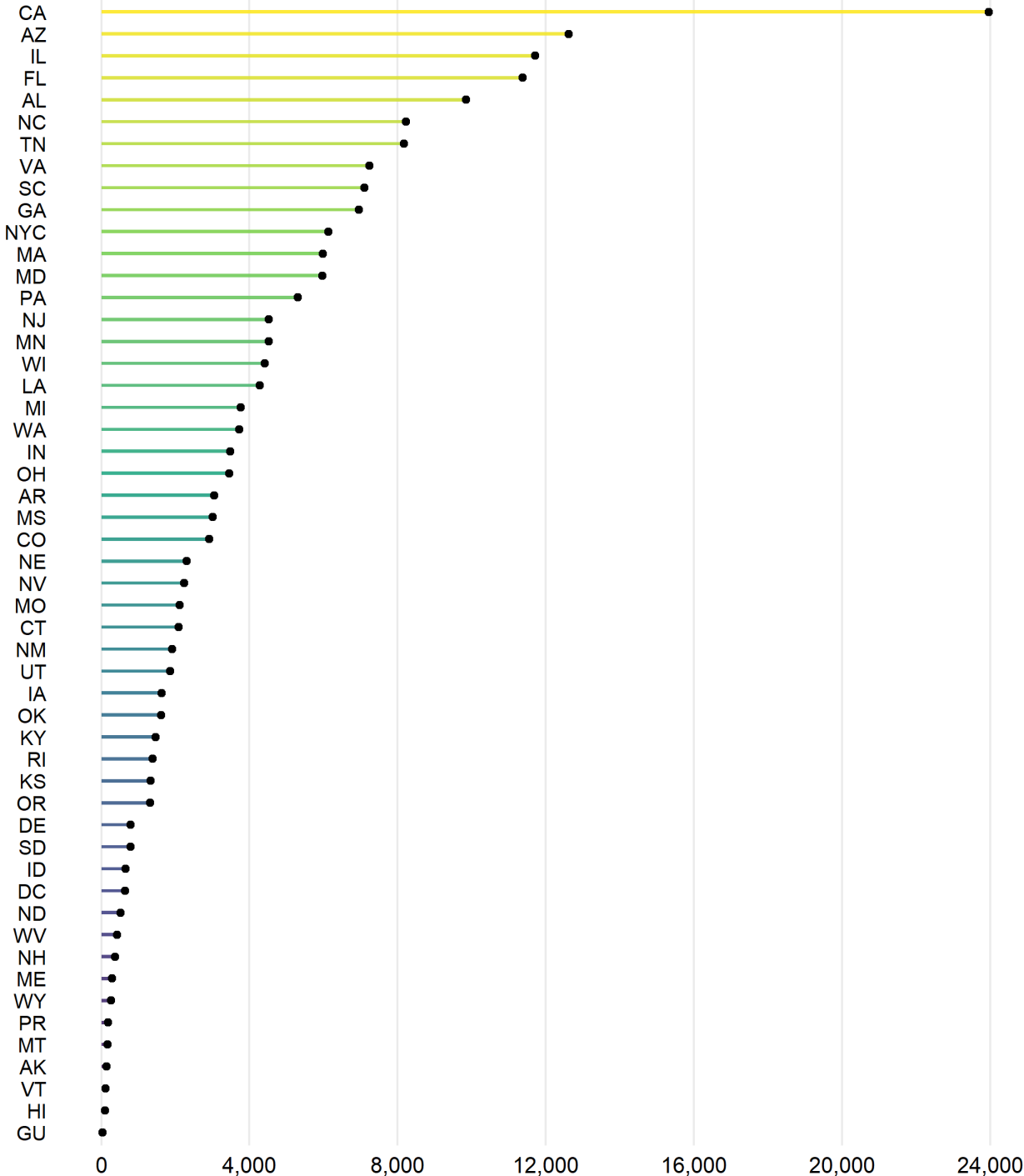
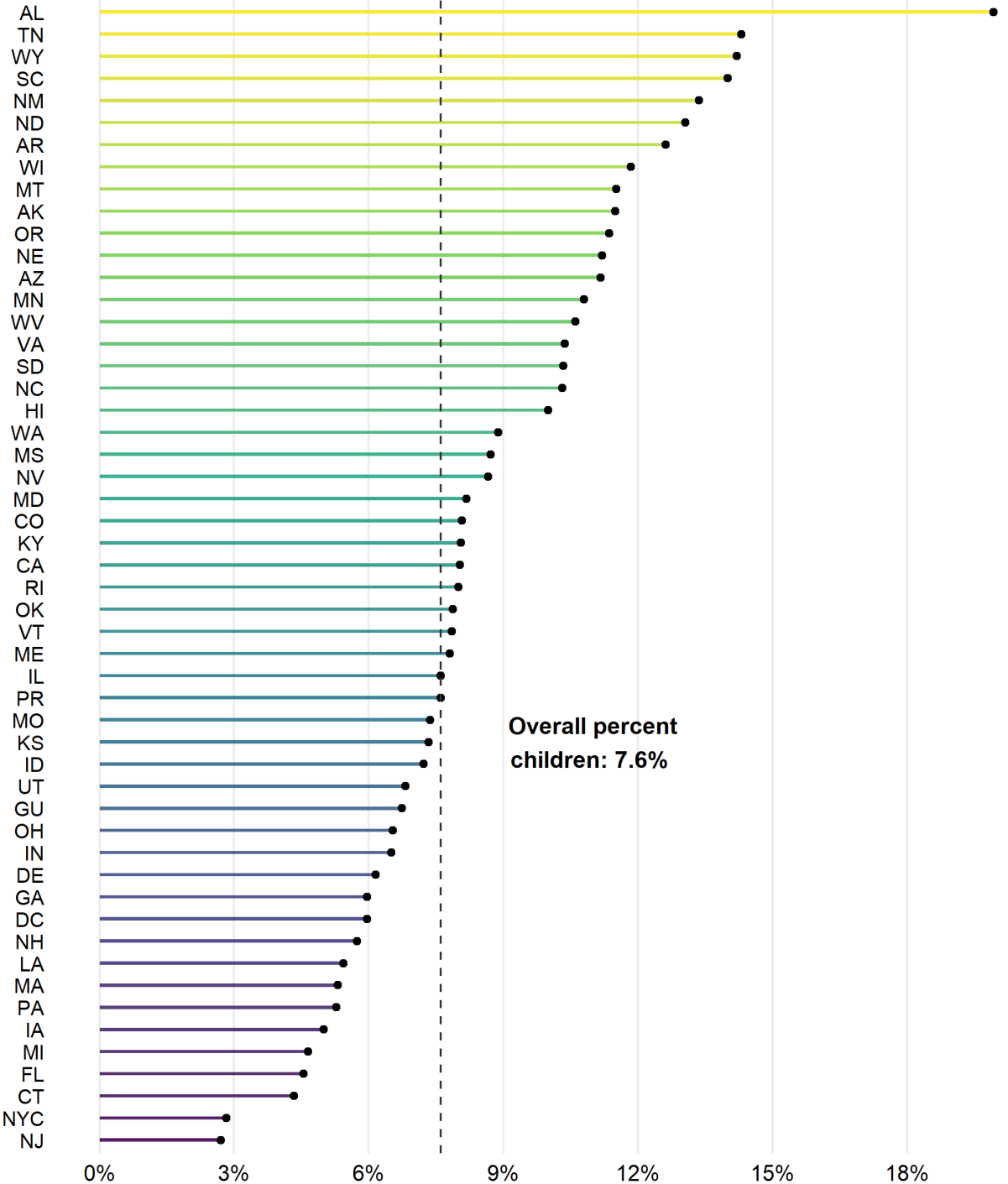


Fig 3. Percent of Cumulative COVID-19 Cases that were Children: 7/9/20

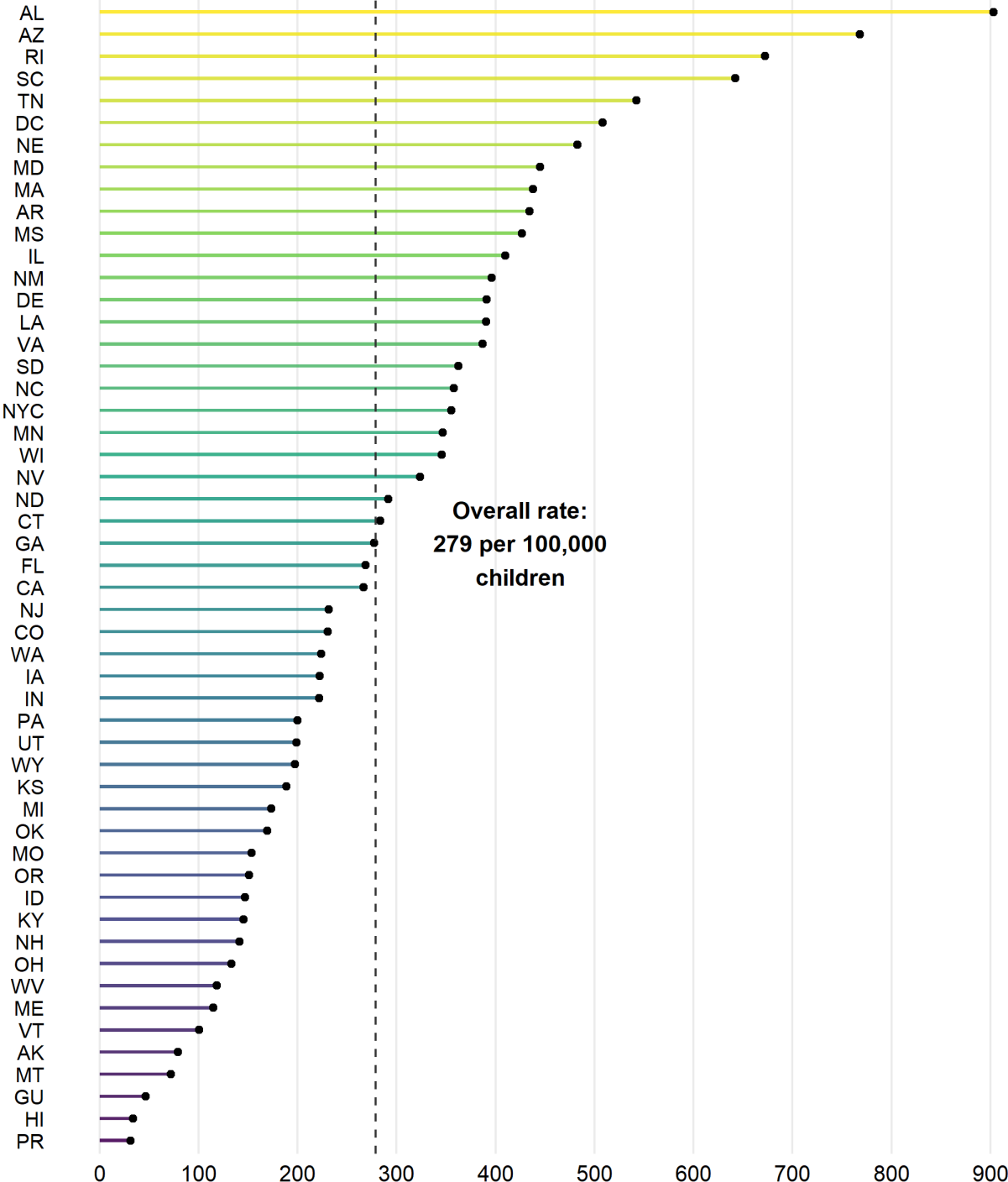
- Children represented 7.6% (200,184/2,651,066) of all available cases
- Nineteen states reported 10% or more of cases were children
- NJ and NYC reported that less than 3% of cases were children



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

Fig 4. Cumulative COVID-19 Cases per 100,000 Children: 7/9/20

- Calculated using child (age 0-17) population estimates from 2018 American Community Survey (US Census)
- Overall rate: 279 child COVID-19 cases per 100,000 children in the population
- Half of states report more than 250 cases per 100,000 children

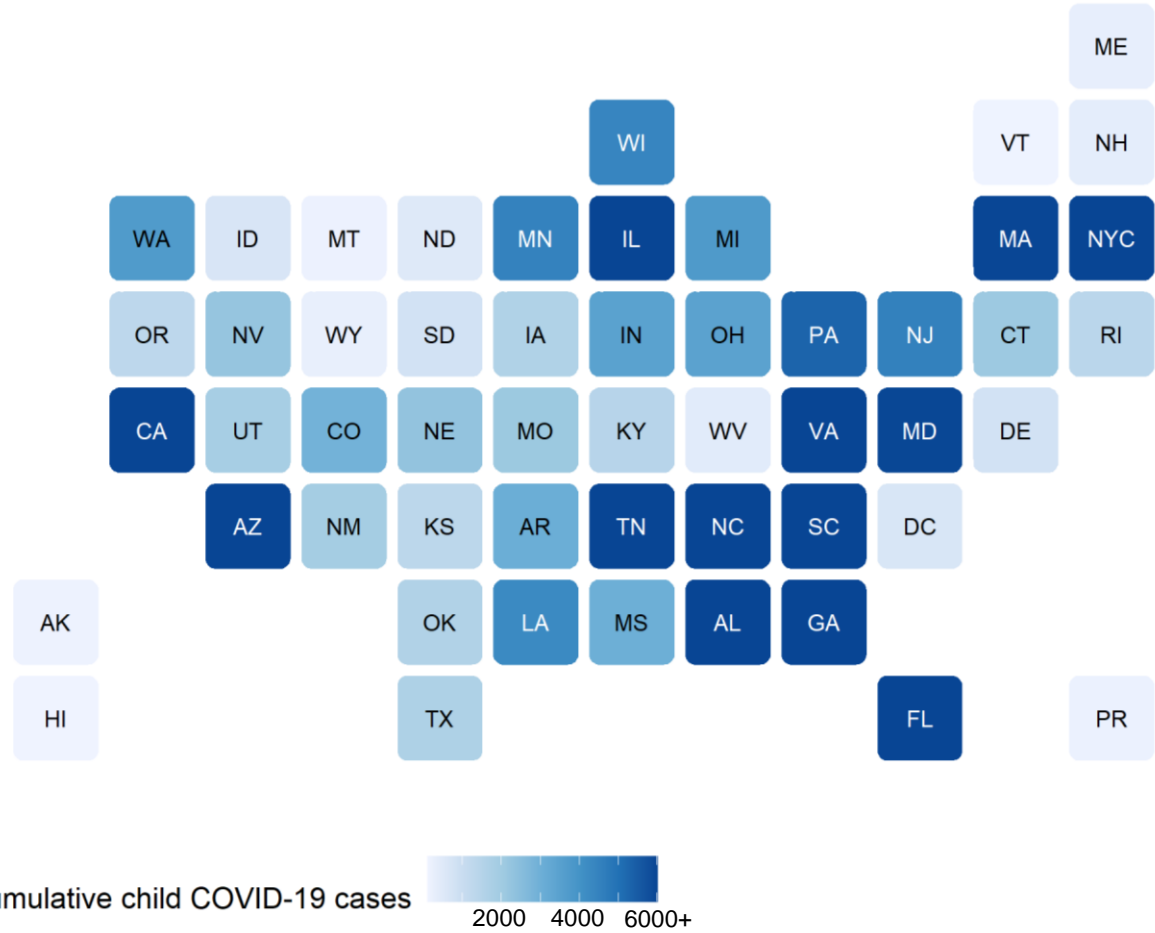


See detail in Appendix: Data from 49 states, NYC, DC, PR, and GU
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Fig 5. Cumulative Child COVID-19 Cases and Percent Increase in Child Cases

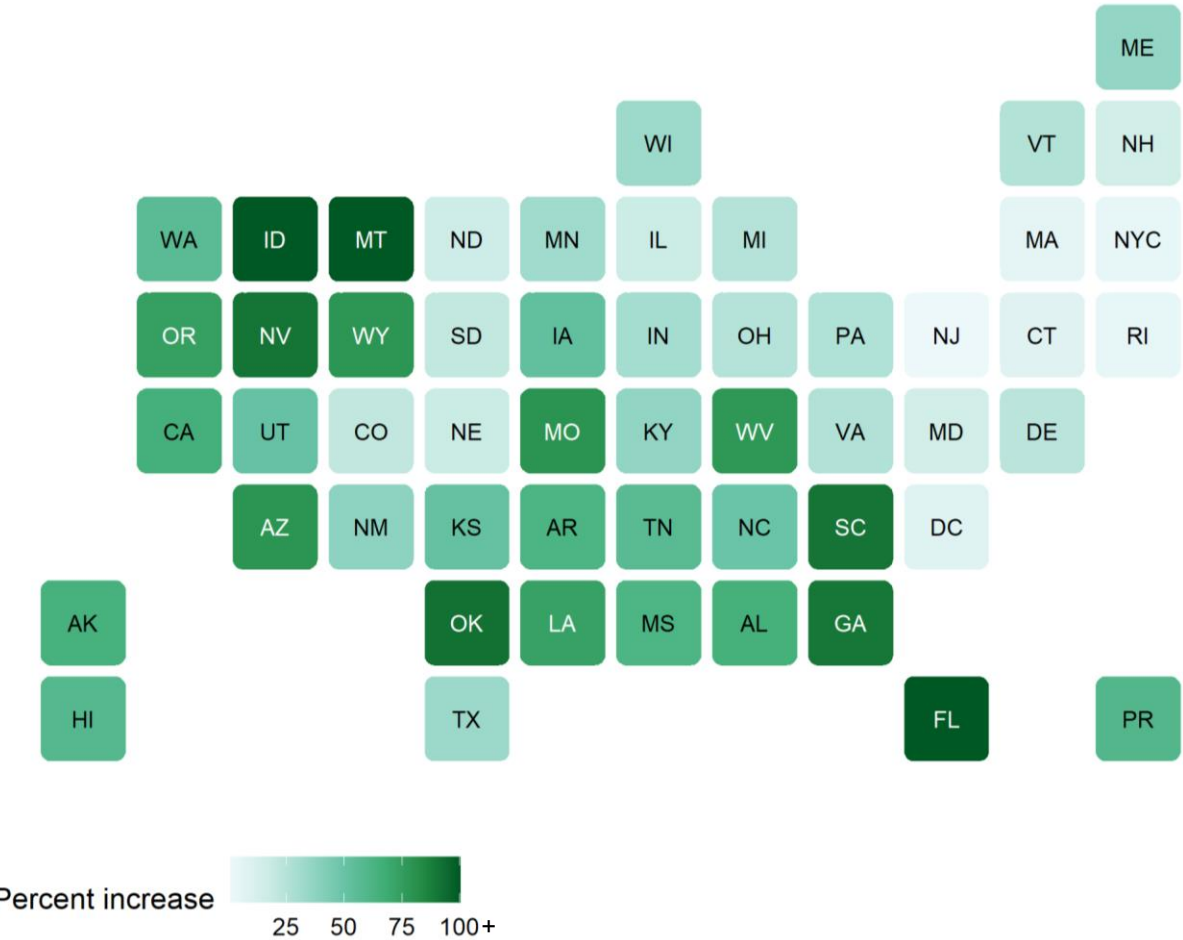
A. Cumulative Child COVID-19 Cases, 7/9/20

Eleven states with 6,000+ cumulative child COVID-19 cases



B. Percent Increase in Child Cases, 6/25/20-7/9/20

From 6/25-7/9, there were 61,971 new child cases reported (138,213 to 200,184; 45% increase), with over 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, PR, and GU
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Appendix Table 1: Summary Data Available on 7/9/20

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

Child population (ACS, 2018)	Total cases (all ages)	Number of child cases	Percent children of total cases	Cases per 100,000 children
71,709,878	2,651,066	200,184	7.6%	279.2

* Note: Data represent cumulative counts since states began reporting

Appendix Table 2: Summary Data from 4/16 – 7/9*

Date	Locations reporting age	Total cases (all ages)	Number of 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%	279.2
7/2/20	49 states, NYC, DC, PR, and GU	2,335,060	165,845	7.1%	231.3
6/25/20	49 states, NYC, DC, PR, and GU	2,073,387	138,213	6.7%	192.7
6/18/20	49 states, NYC, DC, PR, and GU	1,885,905	116,176	6.2%	162.0
6/11/20	49 states, NYC, DC, PR, and GU	1,750,240	98,246	5.6%	137.0
6/4/20	49 states, NYC, DC, PR, and GU	1,623,334	84,016	5.2%	117.2
5/28/20	47 states, NYC, DC, PR, and GU	1,425,154	66,513	4.7%	96.8
5/21/20	47 states, NYC, DC, PR, and GU	1,288,305	54,031	4.2%	78.6
5/14/20	47 states, NYC, DC, PR, and GU	1,159,407	42,370	3.7%	61.6
5/7/20	46 states, NYC, DC, PR, and GU	1,010,112	32,568	3.2%	47.7
4/30/20	47 states, NYC, DC, and PR	849,615	23,096	2.7%	33.7
4/23/20	48 states, NYC, DC, PR, and GU	710,953	15,911	2.2%	22.4
4/16/20	46 states, NYC, and DC	456,923	9,259	2.0%	15.4

* Note: Data represent cumulative counts since states began reporting

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

Appendix Table 3A: Child COVID-19 Case Data Available on 7/9/20*



Click location name to view original data source

Location	Age range	Child population, ages 0-17 (ACS, 2018)	Number of child cases	Percent children of total cases	Total cases (all ages)	Cases per 100,000 children
Alabama^	0-24	1,089,840	9,843	21.0%	46,962	903.2
Alaska	0-19	183,816	146	11.9%	1,226	79.4
Arizona	0-19	1,642,657	12,620	11.2%	112,671	768.3
Arkansas	0-17	703,180	3,054	12.5%	24,512	434.3
California	0-17	8,989,955	23,960	8.3%	289,468	266.5
Colorado	0-19	1,265,235	2,919	8.4%	34,664	230.7
Connecticut	0-19	735,193	2,086	4.4%	47,108	283.7
Delaware	0-17	203,616	796	6.4%	12,462	390.9
District of Columbia	0-19	127,494	648	6.1%	10,642	508.3
Florida	0-14	4,229,081	11,369	5.0%	229,367	268.8
Georgia	0-17	2,505,751	6,952	6.7%	103,890	277.4
Guam	0-19	57,727	27	8.8%	307	46.8
Hawaii	0-19	303,414	103	10.0%	1,030	33.9
Idaho	0-17	446,972	658	7.7%	8,539	147.2
Illinois	0-19	2,857,266	11,718	7.8%	149,432	410.1
Indiana	0-19	1,568,130	3,483	7.1%	49,063	222.1
Iowa	0-17	730,767	1,625	5.0%	32,509	222.4
Kansas	0-17	705,961	1,334	7.6%	17,618	189.0
Kentucky	0-19	1,008,829	1,469	8.4%	17,519	145.6
Louisiana	0-17	1,095,916	4,282	6.1%	70,151	390.7
Maine	0-19	250,404	288	8.3%	3,460	115.0
Maryland	0-19	1,340,148	5,965	8.4%	70,861	445.1
Massachusetts	0-19	1,366,858	5,984	5.7%	104,961	437.8
Michigan	0-19	2,164,668	3,761	5.0%	74,551	173.7
Minnesota	0-19	1,302,615	4,519	11.4%	39,589	346.9
Mississippi	0-17	706,141	3,014	9.2%	32,888	426.8
Missouri	0-19	1,376,830	2,118	8.4%	25,204	153.8

* Note: Data represent cumulative counts since states began reporting; ^ As of 5/7, Alabama is reporting child cases as ages 0-24 (was previously reporting ages 0-18)

Appendix Table 3B: Child COVID-19 Case Data Available on 7/9/20*



Click location name to view original data source

Location	Age range	Child population, ages 0-17 (ACS, 2018)	Number of child cases	Percent children of total cases	Total cases (all ages)	Cases per 100,000 children
Montana	0-19	229,434	165	12.0%	1,371	71.9
Nebraska	0-19	476,841	2,303	11.4%	20,201	483.0
Nevada	0-19	688,997	2,232	9.2%	24,301	323.9
New Hampshire	0-19	258,170	365	6.1%	5,952	141.4
New Jersey	0-17	1,953,643	4,527	2.6%	173,685	231.7
New Mexico	0-19	482,153	1,911	13.6%	14,017	396.3
North Carolina	0-17	2,300,645	8,230	10.6%	77,310	357.7
North Dakota	0-19	178,698	521	13.1%	3,971	291.6
NYC	0-17	1,726,900	6,134	2.9%	214,570	355.2
Ohio	0-19	2,593,325	3,455	6.5%	52,865	133.2
Oklahoma	0-17	956,486	1,619	8.8%	18,496	169.3
Oregon	0-19	873,567	1,319	12.2%	10,817	151.0
Pennsylvania	0-18	2,648,911	5,300	5.7%	92,867	200.1
Puerto Rico	0-19	594,011	188	8.8%	2,131	31.6
Rhode Island	0-19	205,213	1,379	8.0%	17,243	672.2
South Carolina	0-20	1,105,945	7,103	15.0%	47,352	642.2
South Dakota	0-19	217,606	789	10.8%	7,336	362.6
Tennessee	0-20	1,506,220	8,169	14.6%	55,986	542.4
Texas[^]	0-19	7,398,099	1,691	7.0%	24,084	-- [^]
Utah	0-14	932,462	1,856	6.9%	26,755	199.0
Vermont	0-19	115,973	117	9.2%	1,272	100.9
Virginia	0-19	1,869,792	7,236	10.6%	67,988	387.0
Washington	0-19	1,663,285	3,726	9.8%	37,941	224.0
West Virginia	0-19	364,160	431	11.5%	3,751	118.4
Wisconsin	0-19	1,276,103	4,410	12.1%	36,410	345.6
Wyoming	0-18	134,775	266	15.3%	1,740	197.5

* Note: Data represent cumulative counts since states began reporting;

[^] Texas reported age for only 11% of total confirmed cases; Cases per 100,000 children omitted for Texas due to lack of complete data

Appendix Table 4: Child Testing Data Available on 7/9/20*

COVID-19 Testing and Children

Location	Age range	Total tests (all ages)	Number of child tests	Percent children of total tests	Positive rate [^]
Arizona	0-19	652,418	70,531	10.8%	17.9%
Illinois	0-19	1,842,576	127,547	6.9%	9.2%
Indiana	0-19	535,857	40,725	7.6%	8.6%
Missouri	0-19	442,340	25,391	5.7%	8.3%
Nevada	0-19	322,406	21,548	6.7%	10.4%
West Virginia	0-19	195,955	14,168	7.2%	3.0%
Wyoming	0-18	53,364	5,817	10.9%	4.6%

* Note: Data represent cumulative counts since states began reporting

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

Appendix Table 5: Child Hospitalization Data Available on 7/9/20*

COVID-19-Associated Hospitalizations and Children

Location	Age range	Number of child hospitalizations	Total hospitalizations (all ages)	Percent children of total hospitalizations	Hospitalization rate [^]
Arizona	0-19	86	5,526	1.6%	0.7%
Colorado	0-19	136	5,741	2.4%	4.7%
Florida	0-14	143	17,167	0.8%	1.3%
Georgia	0-17	141	12,500	1.1%	2.0%
Hawaii	0-19	1	119	0.8%	1.0%
Kansas	0-17	16	1,269	1.3%	1.2%
Massachusetts	0-19	111	11,516	1.0%	1.9%
Mississippi	0-17	40	3,365	1.2%	1.3%
Nebraska	0-19	31	1,398	2.2%	1.3%
New Hampshire	0-19	9	578	1.6%	2.5%
New Jersey	0-17	175	20,426	0.9%	3.9%
North Dakota	0-19	4	252	1.6%	0.8%
NYC	0-17	561	55,280	1.0%	9.1%
Ohio	0-19	145	8,489	1.7%	4.2%
Oregon	0-19	17	1,155	1.5%	1.3%
Rhode Island	0-19	41	2,043	2.0%	3.0%
South Dakota	0-19	21	718	2.9%	2.7%
Utah	0-14	17	1,678	1.0%	0.9%
Virginia	0-19	117	6,625	1.8%	1.6%
Washington	0-19	53	4,630	1.2%	1.4%
Wisconsin	0-19	83	3,683	1.0%	1.9%

* Note: Data represent cumulative counts since states began reporting
[^] Hospitalization rate = number of child hospitalizations / number of child cases

Appendix Table 6A: Child Mortality Data Available on 7/9/20*

COVID-19-Associated Deaths and Children

Location	Age range	Number of child deaths	Total deaths (all ages)	Percent children of total deaths	Percent of child cases resulting in death [^]
Alabama	0-24	4	1,058	0.4%	0.0%
Arizona	0-19	8	2,038	0.4%	0.1%
Arkansas	0-17	0	301	0.0%	0.0%
California	0-17	0	6,475	0.0%	0.0%
Colorado	0-19	3	1,542	0.2%	0.1%
Connecticut	0-19	2	4,343	0.0%	0.1%
Delaware	0-17	0	515	0.0%	0.0%
District of Columbia	0-19	0	564	0.0%	0.0%
Florida	0-14	2	4,009	0.0%	0.0%
Georgia	0-17	2	2,922	0.1%	0.0%
Idaho	0-17	0	94	0.0%	0.0%
Illinois	0-19	4	7,099	0.1%	0.0%
Indiana	0-19	3	2,539	0.1%	0.1%
Iowa	0-17	0	735	0.0%	0.0%
Kansas	0-17	0	282	0.0%	0.0%
Kentucky	0-19	1	602	0.2%	0.1%
Louisiana	0-17	3	3,231	0.1%	0.1%
Maryland	0-19	1	3,149	0.0%	0.0%
Massachusetts	0-19	0	8,028	0.0%	0.0%
Michigan	0-19	3	6,262	0.0%	0.1%
Minnesota	0-19	0	1,485	0.0%	0.0%

* Note: Data represent cumulative counts since states began reporting

[^] Number of child deaths / number of child cases

Appendix Table 6B: Child Mortality Data Available on 7/9/20*

COVID-19-Associated Deaths and Children

Location	Age range	Number of child deaths	Total deaths (all ages)	Percent children of total deaths	Percent of child cases resulting in death [^]
Mississippi	0-17	0	1,188	0.0%	0.0%
Missouri	0-19	0	1,046	0.0%	0.0%
Nebraska	0-19	1	282	0.4%	0.0%
Nevada	0-19	2	553	0.4%	0.1%
New Hampshire	0-19	0	386	0.0%	0.0%
New Jersey	0-17	2	13,476	0.0%	0.0%
North Carolina	0-17	2	1,441	0.1%	0.0%
North Dakota	0-19	0	85	0.0%	0.0%
NYC	0-17	13	18,618	0.1%	0.2%
Ohio	0-19	2	2,991	0.1%	0.1%
Oklahoma	0-17	0	410	0.0%	0.0%
Oregon	0-19	0	224	0.0%	0.0%
Pennsylvania	0-18	0	6,848	0.0%	0.0%
Rhode Island	0-19	0	974	0.0%	0.0%
South Carolina	0-20	0	846	0.1%	0.0%
South Dakota	0-19	0	101	0.0%	0.0%
Tennessee	0-20	3	660	0.5%	0.0%
Texas	0-19	2	693	0.3%	0.1%
Vermont	0-19	0	56	0.0%	0.0%
Virginia	0-19	0	1,937	0.0%	0.0%
Washington	0-19	0	1,394	0.0%	0.0%
Wisconsin	0-19	0	807	0.0%	0.0%

* Note: Data represent cumulative counts since states began reporting

[^] Number of child deaths / number of child cases

This report is a collaborative effort from the American Academy of Pediatrics and the Children's Hospital Association – for more information, please contact us at:

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