

# 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: 7/16/20



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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 7/16/20
- **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
  - 43 states and NYC provided age distribution of deaths

**Fig 1A: States Reporting Age Distribution of COVID-19 Cases as of 7/16/20**



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

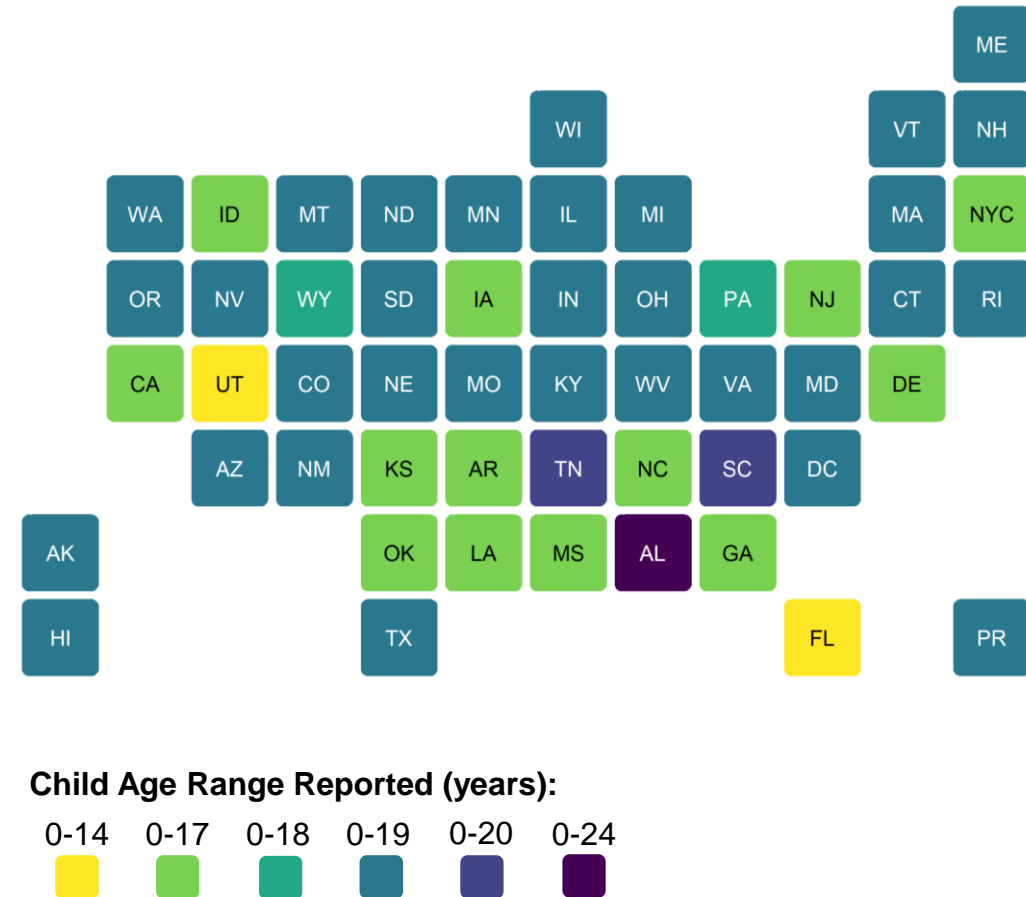
- Yes: Reported age distribution of cases
- Texas: Reported age distribution for only 9% of cases
- New York: Only NYC reported age distribution of cases

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

# Children and COVID-19: Data Limitations

- Format, content, and metrics of reported COVID-19 data differed substantially by state
- Age ranges reported for children varied by state: 0-14, 0-17, 0-18, 0-19, 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 9% of all cases and is excluded from some analysis
- Unknown: number of children infected but not tested and confirmed

**Fig 1B: Child Age Ranges of COVID-19 Cases Reported by States as of 7/16/20**



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

# Children and COVID-19: 7/16/20

## 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\*

- 241,904 total child COVID-19 cases reported, and children represented 8.0% (241,904/3,042,413) of all cases
- Overall rate: 319 cases per 100,000 children in the population

### Change in Child COVID-19 Cases, 7/2/20 – 7/16/20

- 76,059 new child cases reported from 7/2-7/16 (165,845 to 241,904), a 46% increase in child cases

### Testing (7 states reported)\*

- Children made up between 6.3%-11.0% of total state tests, and between 3.5%-16.9% 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%-9.1% of all child COVID-19 cases resulted in hospitalization

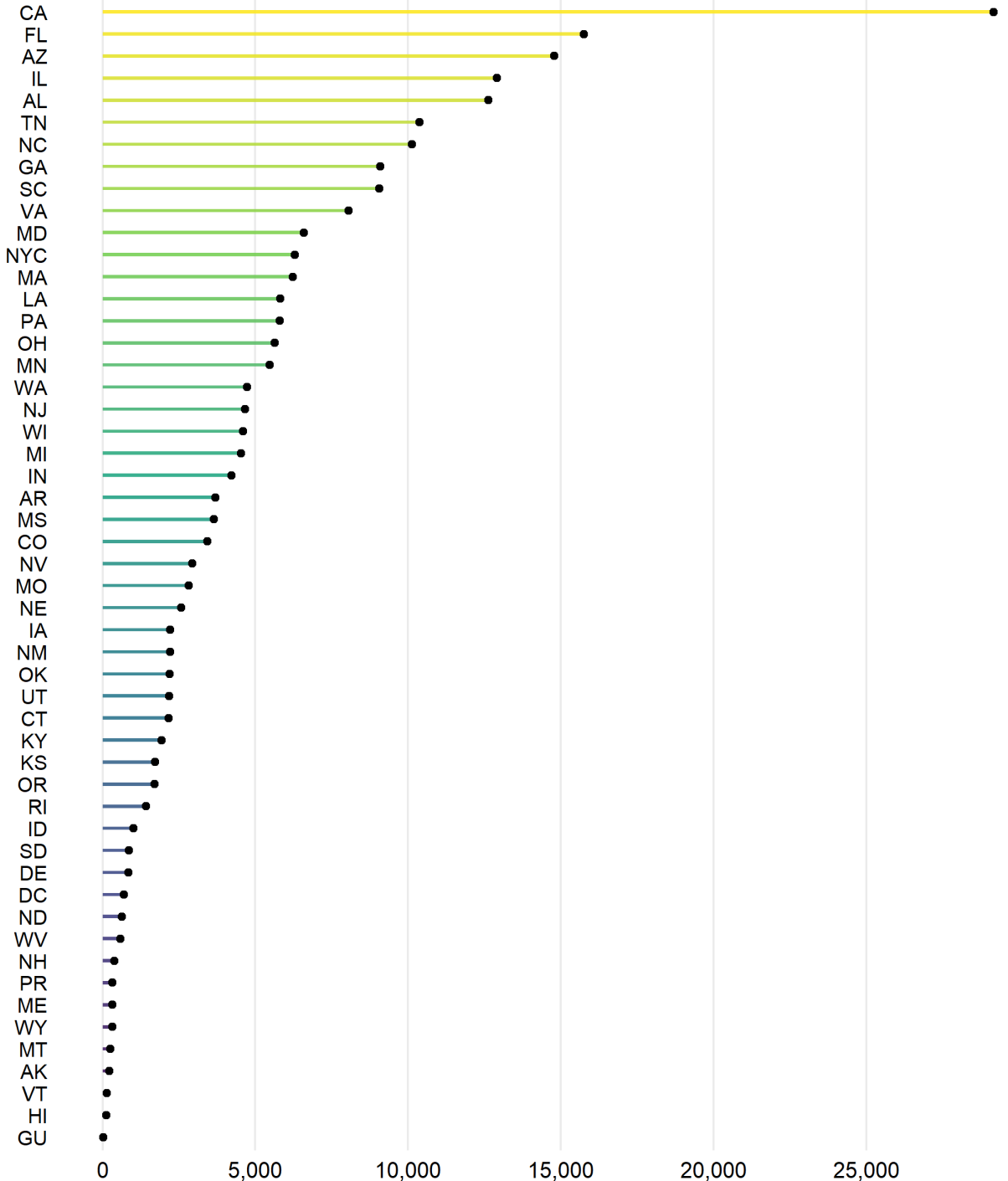
### Mortality (43 states and NYC reported)\*

- Children were 0%-0.5% of all COVID-19 deaths, and 24 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: 7/16/20

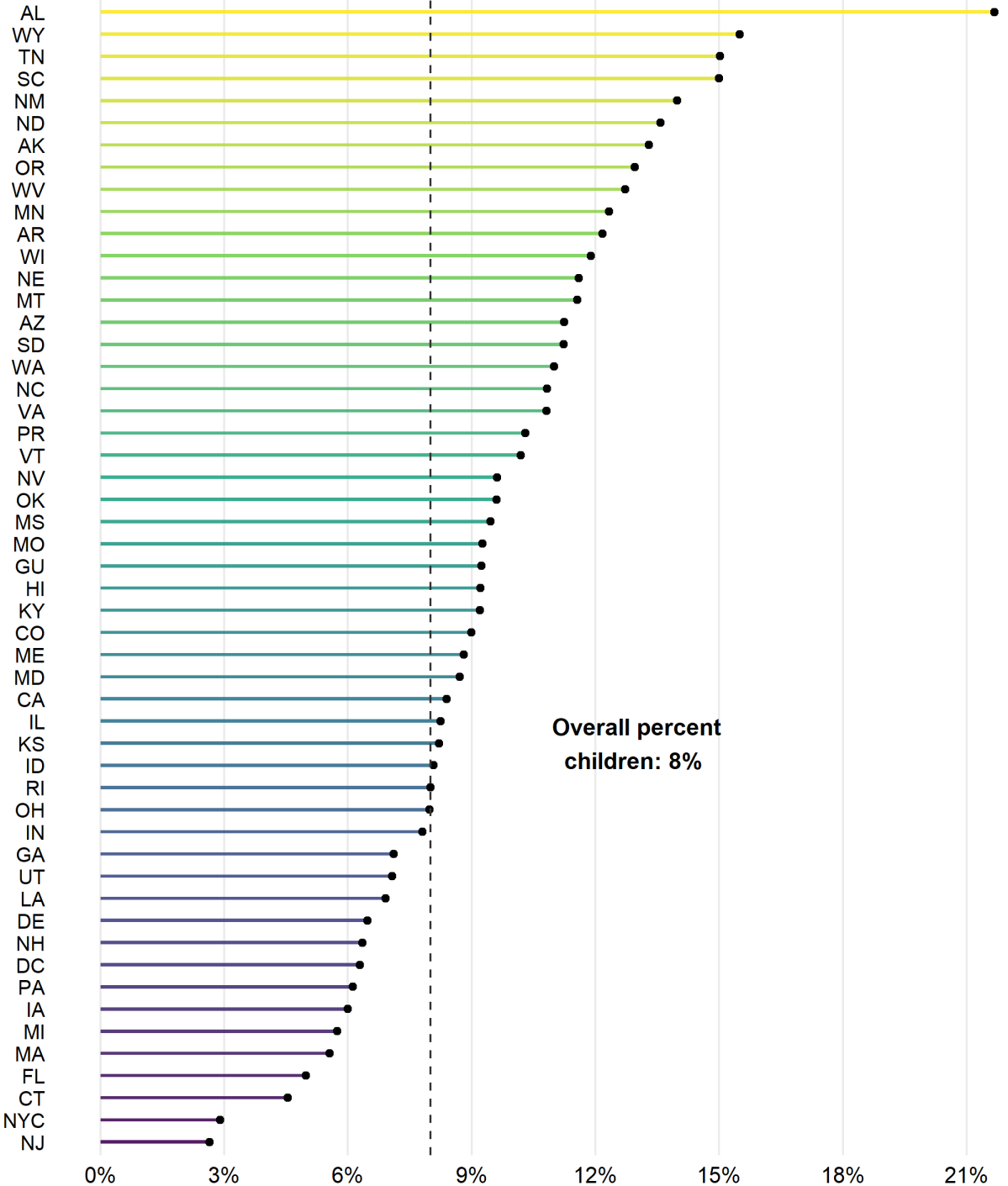
- 241,904 total child COVID-19 cases (cumulative)
- Seven states with 10,000+ cumulative child cases
- Half of US states reported 3,000+ child cases
- Seven states with fewer than 500 child cases



See detail in Appendix: Data from 48 states, NYC, DC, PR, and GU  
 Analysis by American Academy of Pediatrics and Children's Hospital Association

# Fig 3. Percent of Cumulative COVID-19 Cases that were Children: 7/16/20

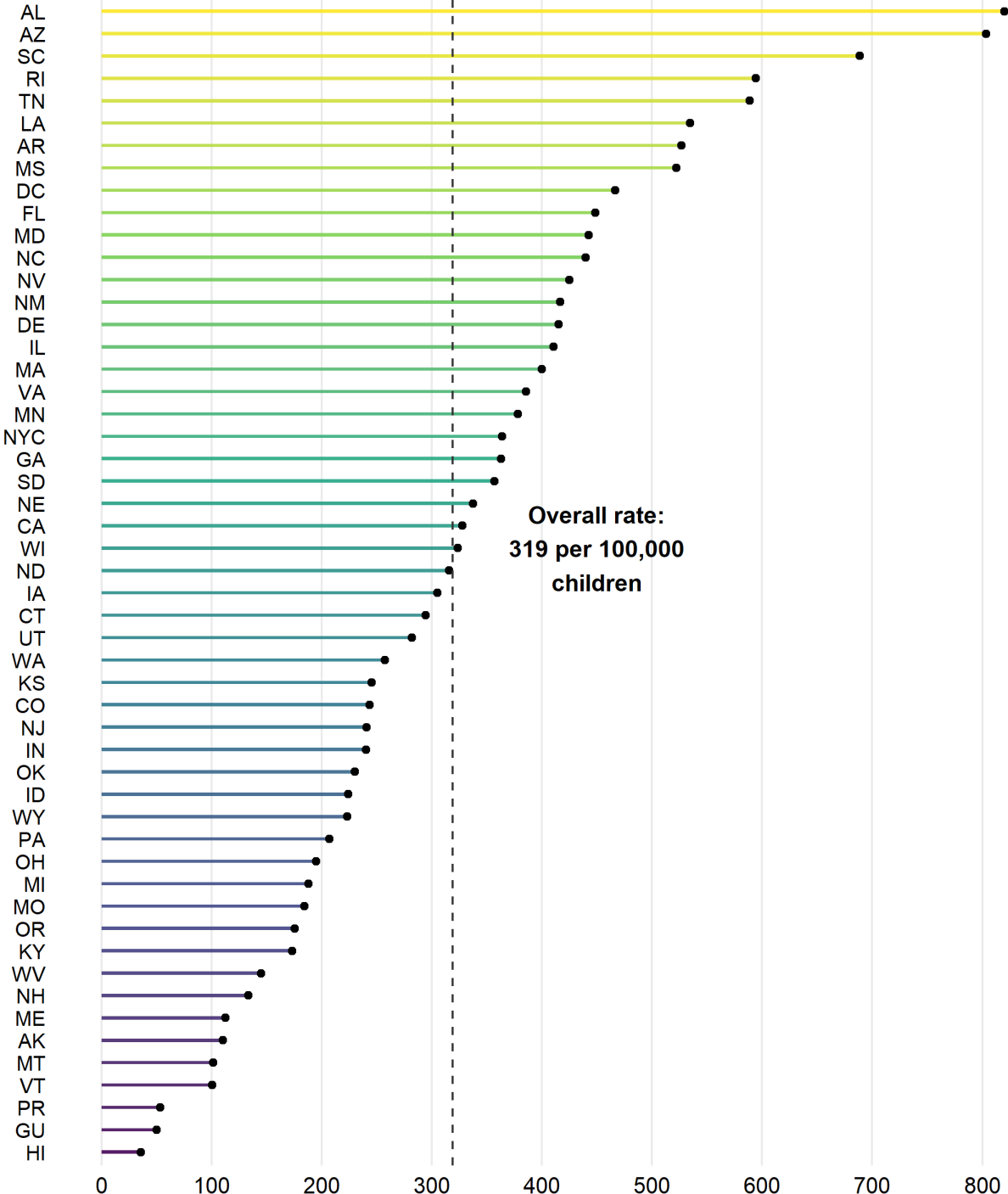
- Children represented 8.0% (241,904/3,042,413) of all available cases
- Twenty states reported 10% or more of cases were children
- NJ and NYC reported that less than 3% of cases were children



See detail in Appendix: Data from 48 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: 7/16/20

- Calculated using state-level population estimates from US Census Bureau (2019)\*
- Overall rate: 319 child COVID-19 cases per 100,000 children in the population
- Half of states report more than 300 cases per 100,000 children

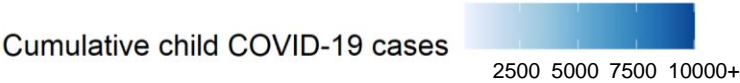
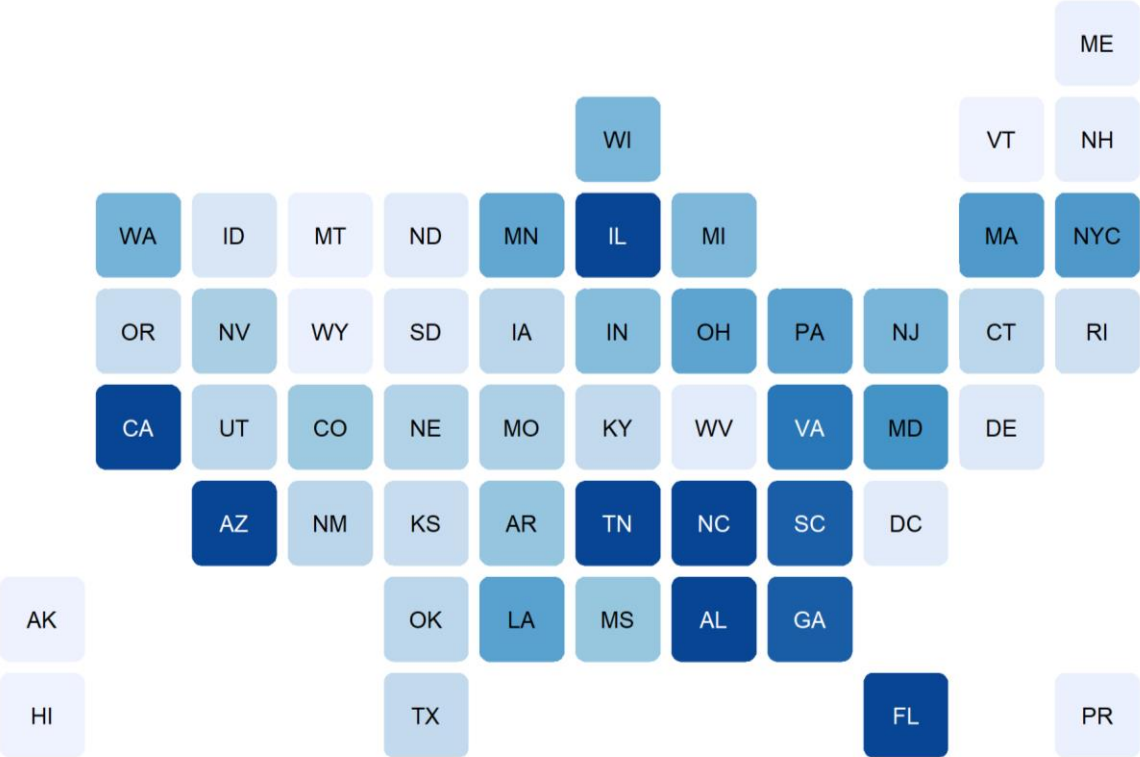


See detail in Appendix: Data from 48 states, NYC, DC, PR, and GU  
 Analysis by American Academy of Pediatrics and Children's Hospital Association  
 \* Source: US Census Bureau, State Population by Characteristics: 2010-2019,  
<https://www.census.gov/data/tables/time-series/demo/popest/2010s-state-detail.html>

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

## A. Cumulative Child COVID-19 Cases, 7/16/20

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



## B. Percent Increase in Child Cases, 7/2/20-7/16/20

From 7/2-7/16, there were 76,059 new child cases reported (165,845 to 241,904; 46% 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  
 Analysis by American Academy of Pediatrics and Children's Hospital Association



## Appendix Table 1: Case Data Available on 7/16/20

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

Child population, 2019	Total cases (all ages)	Number of child cases	Cumulative percent children of total cases	Cases per 100,000 children
75,921,562	3,042,413	241,904	8.0%	318.6

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

## Appendix Table 2A: Summary of Child Case Data from 4/16 – 7/16\*

Date	Number of locations reporting age	Total cases (all ages)	Number of child cases <sup>^</sup>	Percent children of total cases	Cases per 100,000 children
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
5/7/160	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

<sup>^</sup> Unknown: number of children infected but not tested and confirmed

## Appendix Table 2B: Summary of Child Hospitalization Data from 5/21 – 7/16\*

Date	Number of locations reporting age distribution of hospitalizations	Total hospitalizations (all ages)	Number of child hospitalizations	Percent children of total hospitalizations	Hospitalization rate <sup>^</sup>
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  
<sup>^</sup> Hospitalization rate = number of child hospitalizations / number of child cases

## Appendix Table 2C: Summary of Child Mortality Data from 5/21 – 7/16\*

Date	Number of locations reporting age distribution of deaths	Total deaths (all ages)	Number of child deaths	Percent children of total deaths	Percent of child cases resulting in death <sup>^</sup>
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  
<sup>^</sup> Number of child deaths / number of child cases

# Appendix Table 3A: Child COVID-19 Case Data Available on 7/16/20\*



Click location name to view original data source

Location	Age range	Child population, 2019	Number of child cases	Percent children of total cases	Total cases (all ages)	Cases per 100,000 children
<a href="#">Alabama^</a>	0-24	1,538,530	12,617	21.7%	58,225	820.1
<a href="#">Alaska</a>	0-19	196,852	217	13.3%	1,631	110.2
<a href="#">Arizona</a>	0-19	1,838,598	14,773	11.2%	131,354	803.5
<a href="#">Arkansas</a>	0-17	700,155	3,687	12.2%	30,297	526.6
<a href="#">California</a>	0-17	8,894,641	29,156	8.4%	347,634	327.8
<a href="#">Colorado</a>	0-19	1,407,971	3,430	9.0%	38,155	243.6
<a href="#">Connecticut</a>	0-19	735,193	2,166	4.5%	47,636	294.6
<a href="#">Delaware</a>	0-17	203,572	845	6.5%	13,050	415.1
<a href="#">District of Columbia</a>	0-19	149,337	697	6.3%	11,076	466.7
<a href="#">Florida</a>	0-14	3,512,139	15,748	5.0%	315,775	448.4
<a href="#">Georgia</a>	0-17	2,503,881	9,089	7.1%	127,834	363.0
<a href="#">Guam</a>	0-19	57,727	29	9.2%	314	50.2
<a href="#">Hawaii</a>	0-19	330,092	119	9.2%	1,292	36.1
<a href="#">Idaho</a>	0-17	448,201	1,005	8.1%	12,445	224.2
<a href="#">Illinois</a>	0-19	3,145,309	12,912	8.2%	156,693	410.5
<a href="#">Indiana</a>	0-19	1,755,070	4,218	7.8%	54,080	240.3
<a href="#">Iowa</a>	0-17	726,841	2,219	6.0%	36,980	305.3
<a href="#">Kansas</a>	0-17	700,250	1,718	8.2%	20,933	245.3
<a href="#">Kentucky</a>	0-19	1,118,934	1,939	9.2%	21,083	173.3
<a href="#">Louisiana</a>	0-17	1,087,630	5,817	6.9%	84,131	534.8
<a href="#">Maine</a>	0-19	281,158	317	8.8%	3,598	112.7
<a href="#">Maryland</a>	0-19	1,489,721	6,594	8.7%	75,664	442.6
<a href="#">Massachusetts</a>	0-19	1,558,231	6,229	5.6%	112,076	399.7
<a href="#">Michigan</a>	0-19	2,407,690	4,528	5.7%	78,913	188.1
<a href="#">Minnesota</a>	0-19	1,445,346	5,468	12.3%	44,347	378.3
<a href="#">Mississippi</a>	0-17	698,583	3,648	9.5%	38,567	522.2
<a href="#">Missouri</a>	0-19	1,527,291	2,818	9.3%	30,422	184.5

\* 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 7/16/20\*



Click location name to view original data source

Location	Age range	Child population, 2019	Number of child cases	Percent children of total cases	Total cases (all ages)	Cases per 100,000 children
<a href="#">Montana</a>	0-19	254,416	258	11.6%	2,231	101.4
<a href="#">Nebraska</a>	0-19	760,272	2,568	11.6%	22,134	337.7
<a href="#">Nevada</a>	0-19	688,997	2,929	9.6%	30,468	425.1
<a href="#">New Hampshire</a>	0-19	291,038	388	6.3%	6,113	133.3
<a href="#">New Jersey</a>	0-17	1,938,578	4,665	2.7%	175,915	240.6
<a href="#">New Mexico</a>	0-19	531,712	2,215	14.0%	15,841	416.6
<a href="#">North Carolina</a>	0-17	2,300,715	10,118	10.8%	93,426	439.8
<a href="#">North Dakota</a>	0-19	200,777	634	13.6%	4,668	315.8
<a href="#">NYC</a>	0-17	1,726,900	6,286	2.9%	216,834	364.0
<a href="#">Ohio</a>	0-19	2,886,873	5,631	8.0%	70,601	195.1
<a href="#">Oklahoma</a>	0-17	952,238	2,191	9.6%	22,813	230.1
<a href="#">Oregon</a>	0-19	965,480	1,695	13.0%	13,081	175.6
<a href="#">Pennsylvania</a>	0-18	2,801,187	5,800	6.1%	94,873	207.1
<a href="#">Puerto Rico</a>	0-19	594,011	318	10.3%	3,088	53.5
<a href="#">Rhode Island</a>	0-19	238,453	1,417	8.0%	17,711	594.2
<a href="#">South Carolina</a>	0-20	1,314,988	9,058	15.0%	60,389	688.9
<a href="#">South Dakota</a>	0-19	240,567	859	11.2%	7,652	357.1
<a href="#">Tennessee</a>	0-20	1,762,659	10,376	15.0%	69,061	588.7
<a href="#">Texas<sup>^</sup></a>	0-19	8,210,585	1,892	7.2%	26,272	-
<a href="#">Utah</a>	0-14	774,764	2,184	7.1%	30,891	281.9
<a href="#">Vermont</a>	0-19	134,415	135	10.2%	1,325	100.4
<a href="#">Virginia</a>	0-19	2,087,426	8,047	10.8%	74,431	385.5
<a href="#">Washington</a>	0-19	1,840,306	4,735	11.0%	43,046	257.3
<a href="#">West Virginia</a>	0-19	402,473	584	12.7%	4,591	145.1
<a href="#">Wisconsin</a>	0-19	1,422,095	4,604	11.9%	38,727	323.7
<a href="#">Wyoming</a>	0-18	140,694	314	15.5%	2,026	223.2

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

<sup>^</sup> Texas reported age for only 9% 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 7/16/20\*

## COVID-19 Testing and Children

Location	Age range	Total tests (all ages)	Number of child tests	Percent children of total tests	Positive rate <sup>^</sup>
<a href="#">Arizona</a>	0-19	936,277	87,481	9.3%	16.9%
<a href="#">Illinois</a>	0-19	2,079,601	149,791	7.2%	8.6%
<a href="#">Indiana</a>	0-19	595,558	49,431	8.3%	8.5%
<a href="#">Missouri</a>	0-19	529,301	33,555	6.3%	8.4%
<a href="#">Nevada</a>	0-19	363,320	25,585	7.0%	11.4%
<a href="#">West Virginia</a>	0-19	218,249	16,805	7.7%	3.5%
<a href="#">Wyoming</a>	0-18	42,534	4,679	11.0%	5.3%

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

<sup>^</sup> Positive rate = number of child cases / number of child tests

# Appendix Table 5: Child Hospitalization Data Available on 7/16/20\*

## COVID-19-Associated Hospitalizations and Children

Location	Age range	Number of child hospitalizations	Total hospitalizations (all ages)	Percent children of total hospitalizations	Hospitalization rate <sup>^</sup>
<a href="#">Arizona</a>	0-19	97	6,103	1.6%	0.7%
<a href="#">Colorado</a>	0-19	140	5,950	2.4%	4.1%
<a href="#">Florida</a>	0-14	172	19,825	0.9%	1.1%
<a href="#">Georgia</a>	0-17	168	14,102	1.2%	1.8%
<a href="#">Hawaii</a>	0-19	1	128	0.8%	0.8%
<a href="#">Kansas</a>	0-17	20	1,393	1.4%	1.2%
<a href="#">Massachusetts</a>	0-19	111	11,650	1.0%	1.8%
<a href="#">Mississippi</a>	0-17	44	3,629	1.2%	1.2%
<a href="#">Nebraska</a>	0-19	35	1,453	2.4%	1.4%
<a href="#">New Hampshire</a>	0-19	9	668	1.3%	2.3%
<a href="#">New Jersey</a>	0-17	184	20,774	0.9%	3.9%
<a href="#">North Dakota</a>	0-19	4	285	1.4%	0.6%
<a href="#">NYC</a>	0-17	570	55,529	1.0%	9.1%
<a href="#">Ohio</a>	0-19	165	9,321	1.8%	2.9%
<a href="#">Oregon</a>	0-19	21	1,465	1.4%	1.2%
<a href="#">Rhode Island</a>	0-19	42	2,075	2.0%	2.9%
<a href="#">South Dakota</a>	0-19	22	752	2.9%	2.6%
<a href="#">Utah</a>	0-14	28	1,913	1.5%	1.3%
<a href="#">Virginia</a>	0-19	127	7,020	1.8%	1.6%
<a href="#">Washington</a>	0-19	48	4,829	1.2%	1.0%
<a href="#">Wisconsin</a>	0-19	66	3,923	1.0%	1.4%

\* Note: Data represent cumulative counts since states began reporting  
<sup>^</sup> Hospitalization rate = number of child hospitalizations / number of child cases



# Appendix Table 6A: Child Mortality Data Available on 7/16/20\*

## 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 <sup>^</sup>
<a href="#">Alabama</a>	0-24	4	1,183	0.3%	0.0%
<a href="#">Arizona</a>	0-19	9	2,434	0.4%	0.1%
<a href="#">Arkansas</a>	0-17	0	335	0.0%	0.0%
<a href="#">California</a>	0-17	0	7,164	0.0%	0.0%
<a href="#">Colorado</a>	0-19	3	1,601	0.2%	0.1%
<a href="#">Connecticut</a>	0-19	2	4,380	0.0%	0.1%
<a href="#">Delaware</a>	0-17	0	521	0.0%	0.0%
<a href="#">District of Columbia</a>	0-19	0	574	0.0%	0.0%
<a href="#">Florida</a>	0-14	3	4,677	0.1%	0.0%
<a href="#">Georgia</a>	0-17	1	3,091	0.0%	0.0%
<a href="#">Idaho</a>	0-17	0	110	0.0%	0.0%
<a href="#">Illinois</a>	0-19	4	7,226	0.1%	0.0%
<a href="#">Indiana</a>	0-19	0	2,602	0.1%	0.0%
<a href="#">Iowa</a>	0-17	0	777	0.0%	0.0%
<a href="#">Kansas</a>	0-17	0	299	0.0%	0.0%
<a href="#">Kentucky</a>	0-19	1	648	0.2%	0.1%
<a href="#">Louisiana</a>	0-17	4	3,351	0.1%	0.1%
<a href="#">Maine</a>	0-19	0	114	0.0%	0.0%
<a href="#">Maryland</a>	0-19	1	3,215	0.0%	0.0%
<a href="#">Massachusetts</a>	0-19	0	8,368	0.0%	0.0%
<a href="#">Michigan</a>	0-19	7	6,330	0.1%	0.2%
<a href="#">Minnesota</a>	0-19	0	1,526	0.0%	0.0%

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

<sup>^</sup> Number of child deaths / number of child cases

# Appendix Table 6B: Child Mortality Data Available on 7/16/20\*

## 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 <sup>^</sup>
<a href="#">Mississippi</a>	0-17	0	1,290	0.0%	0.0%
<a href="#">Missouri</a>	0-19	0	1,113	0.0%	0.0%
<a href="#">Nebraska</a>	0-19	1	299	0.3%	0.0%
<a href="#">Nevada</a>	0-19	3	618	0.5%	0.1%
<a href="#">New Hampshire</a>	0-19	0	394	0.0%	0.0%
<a href="#">New Jersey</a>	0-17	2	13,635	0.0%	0.0%
<a href="#">North Carolina</a>	0-17	1	1,588	0.1%	0.0%
<a href="#">North Dakota</a>	0-19	0	89	0.0%	0.0%
<a href="#">NYC</a>	0-17	13	18,734	0.1%	0.2%
<a href="#">Ohio</a>	0-19	2	3,100	0.1%	0.0%
<a href="#">Oklahoma</a>	0-17	1	432	0.2%	0.0%
<a href="#">Oregon</a>	0-19	0	247	0.0%	0.0%
<a href="#">Pennsylvania</a>	0-18	0	6,579	0.0%	0.0%
<a href="#">Rhode Island</a>	0-19	0	987	0.0%	0.0%
<a href="#">South Carolina</a>	0-20	1	993	0.1%	0.0%
<a href="#">South Dakota</a>	0-19	0	115	0.0%	0.0%
<a href="#">Tennessee</a>	0-20	3	783	0.4%	0.0%
<a href="#">Texas</a>	0-19	0	3,432	0.0%	0.0%
<a href="#">Vermont</a>	0-19	0	56	0.0%	0.0%
<a href="#">Virginia</a>	0-19	0	2,007	0.0%	0.0%
<a href="#">Washington</a>	0-19	0	1,421	0.0%	0.0%
<a href="#">Wisconsin</a>	0-19	0	827	0.0%	0.0%

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

<sup>^</sup> 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