

Children and COVID-19: State-Level Data Report as of 5/14/20

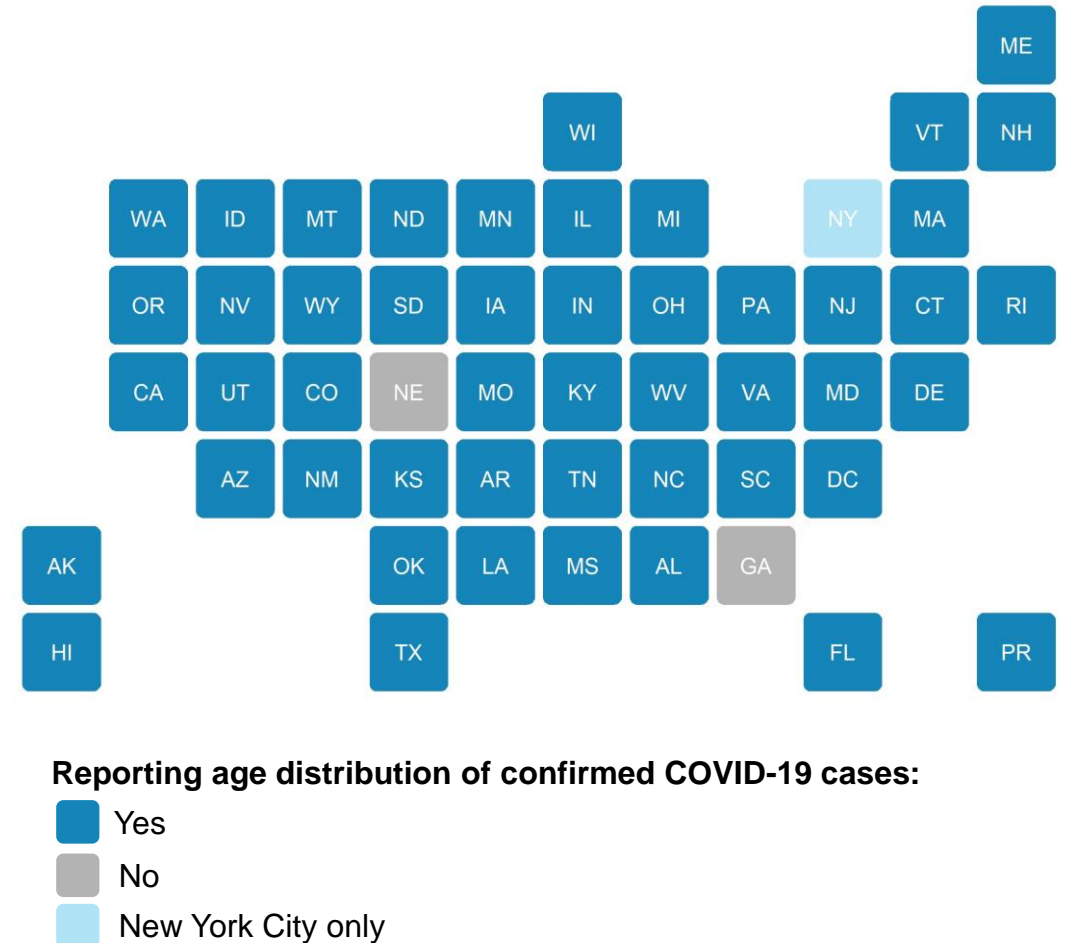
Summary compiled by American Academy of Pediatrics from information publicly reported by 47 states, NYC, DC, PR, and GU



Available Data for Children

- State-level reports are the best publicly available data on confirmed COVID-19 cases for children; detail varies substantially by state and by week
- This report summarizes what was available on May 14, 2020
- **47 states, NYC, DC, Puerto Rico and Guam** reported age distributions of confirmed COVID-19 cases
 - 5 states provided age distribution of testing
 - 17 states and NYC provided age distribution of hospitalizations
 - 34 states and NYC provided age distribution of deaths
- Unknown: number of children infected but not tested and confirmed

Fig 1: States Reporting Age Distribution of Confirmed COVID-19 Cases as of 5/14/20



Children and COVID-19

Summary of State-Level Data Provided in this Report: 5/14/20

Detail and links to state data sources provided in Appendix

Confirmed Cases

- 42,370 total confirmed child COVID-19 cases reported on May 14, 2020
- Children represented 3.7% (42,370/1,159,407) of all available confirmed cases
- Overall rate: 61.6 confirmed cases per 100,000 children in the population

Testing

- In 5 states reporting, children made up between 4.7%-12% of total state tests

Hospitalizations

- In 17 states and NYC, children were 0%-3.1% of total reported hospitalizations

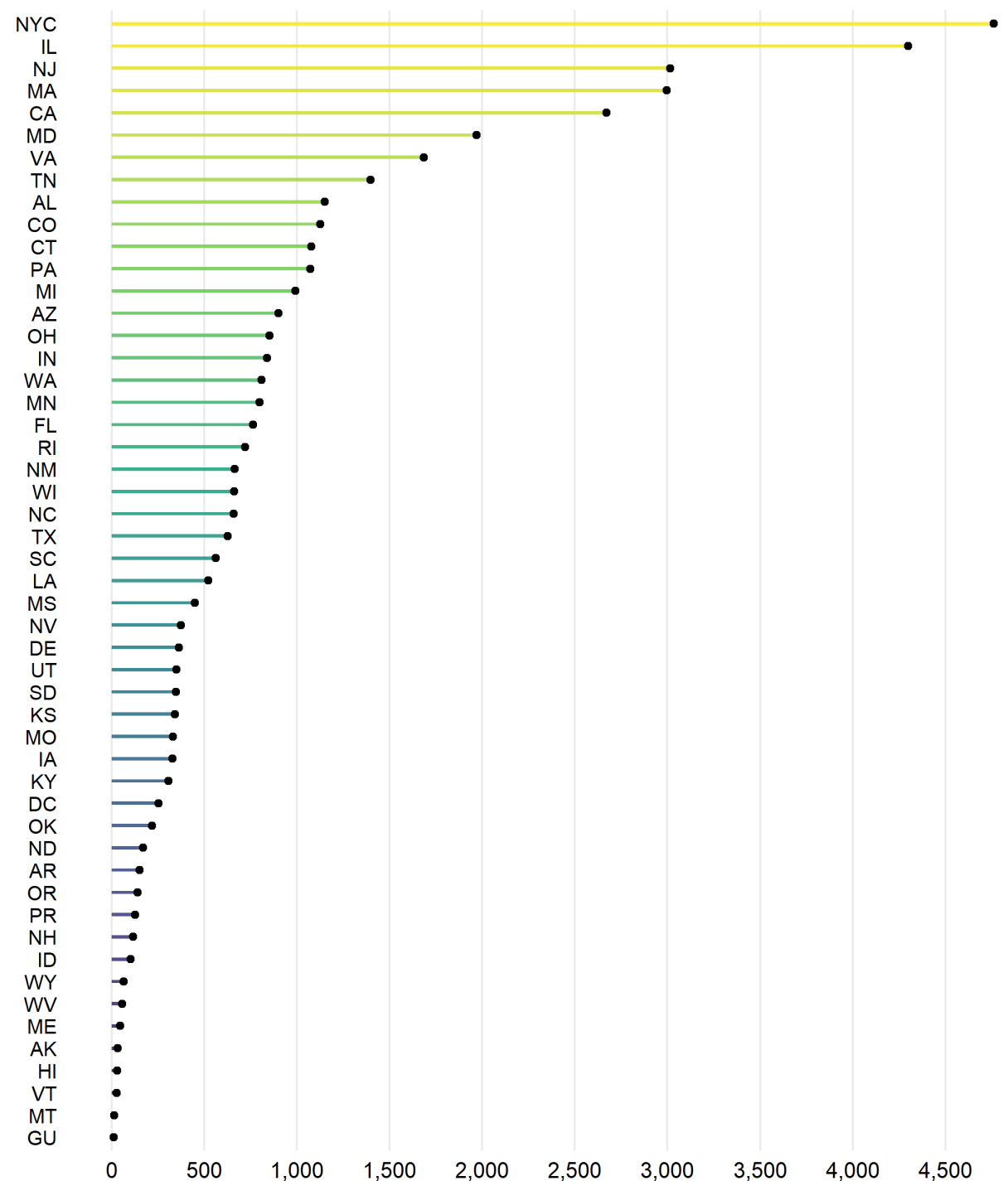
Mortality

- In 34 states and NYC, children were 0%-0.7% of all COVID-19 deaths; 26 states reported zero child deaths



Fig 2. Number of Confirmed COVID-19 Child Cases: 5/14/20

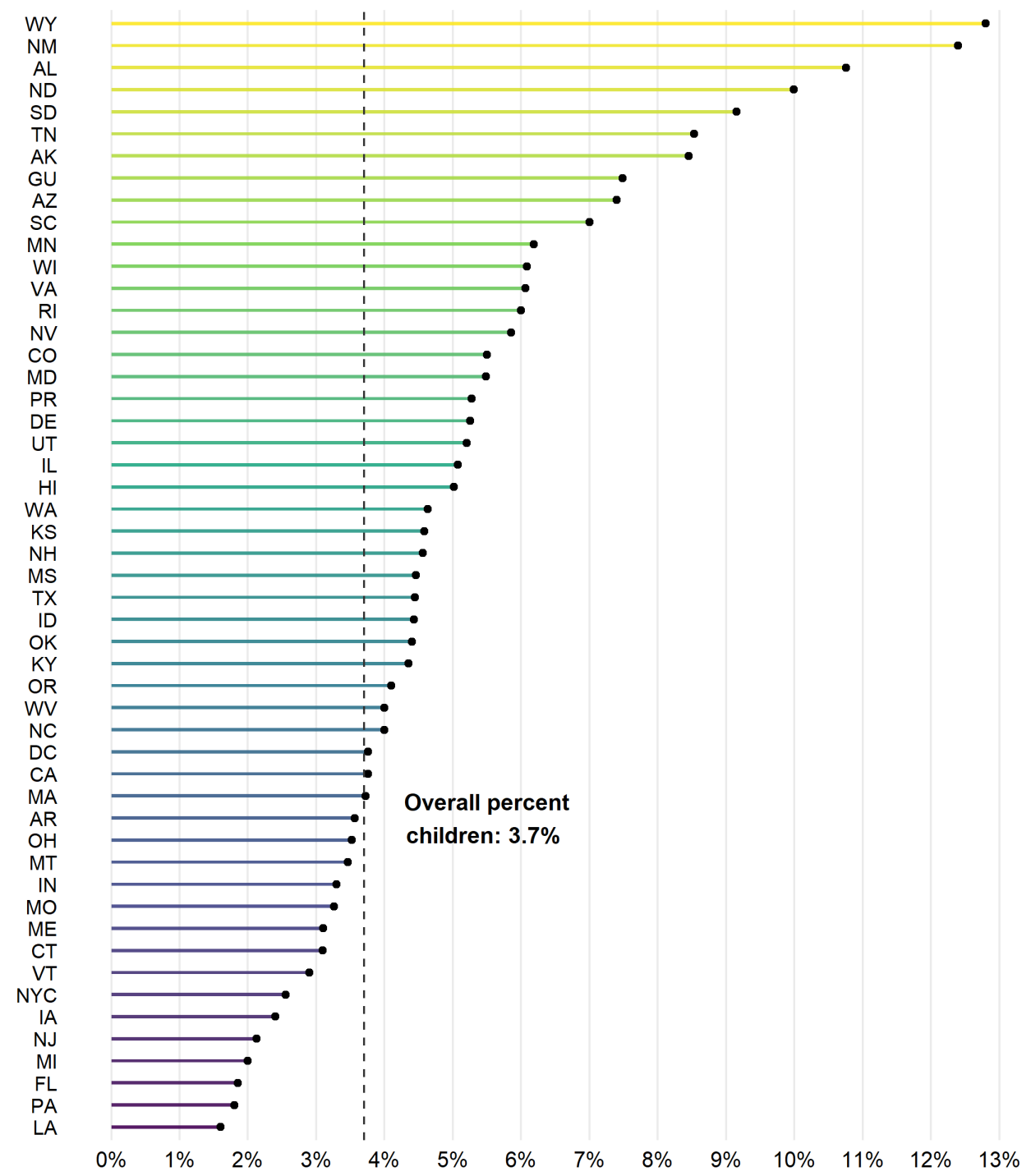
- 42,370 total confirmed child cases
- 1 in 5 child cases was in the NY metro area (NYC, NJ, and CT)
- NYC, IL, NJ, MA, and CA with 2,600+ confirmed child cases
- 7 states and GU with less than 100 child cases



See detail in Appendix: Data from 47 states, NYC, DC, PR, and GU

Fig 3. Percent of COVID-19 Cases that were Children: 5/14/20

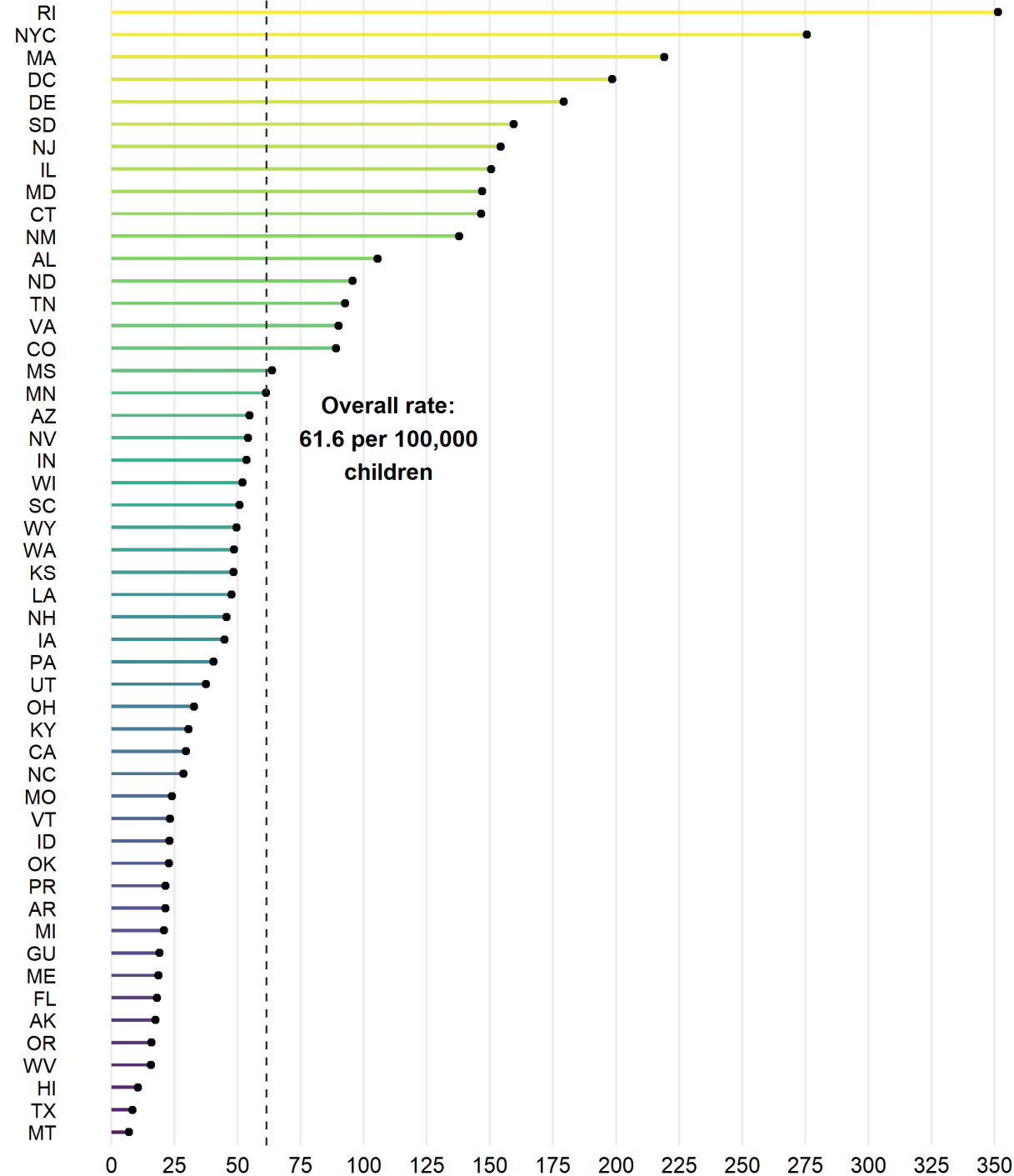
- Children represented 3.7% (42,370/1,159,407) of all available confirmed cases
- 21 states and PR reported 5% or more of cases were children
- FL, PA, and LA reported that less than 2% of cases were children



See detail in Appendix: Data from 47 states, NYC, DC, PR, and GU

Fig 4. Confirmed Cases per 100,000 Children: 5/14/20

- Calculated using child population estimates from 2018 American Community Survey (US Census)
- Overall rate: 61.6 confirmed child cases per 100,000 children in the population
- 11 states and NYC reported more than 100 confirmed cases per 100,000 children

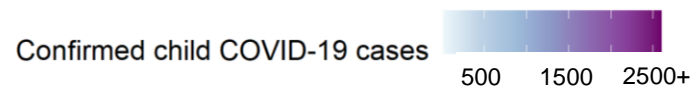
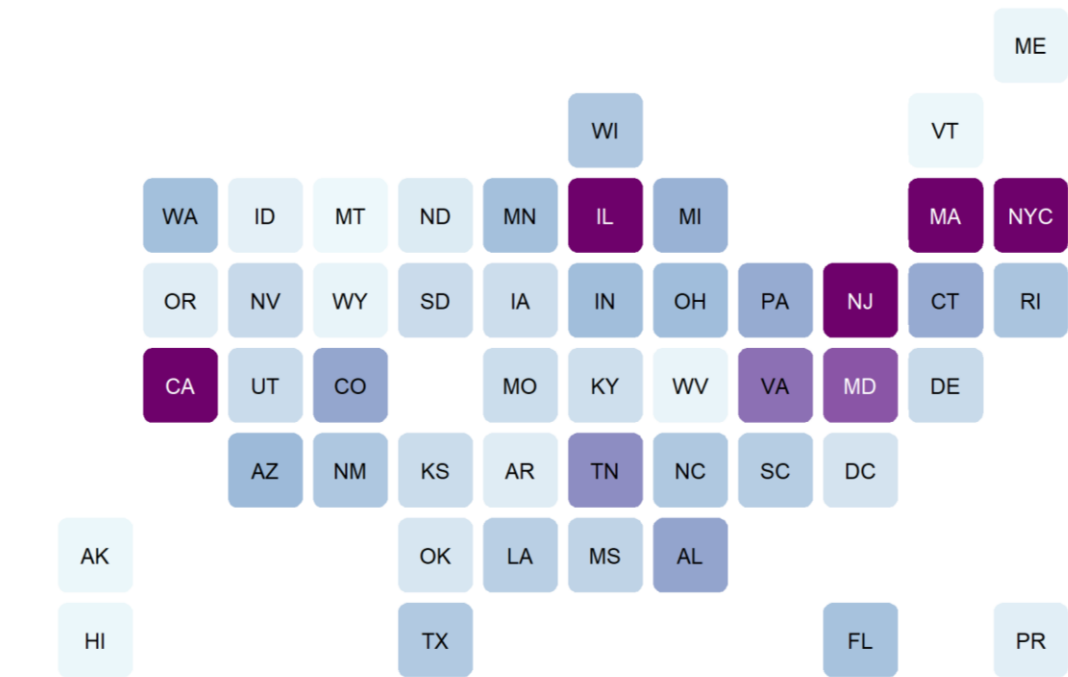


See detail in Appendix: Data from 47 states, NYC, DC, PR, and GU

Fig 5. Total Confirmed Child Cases and Percent Increase from 5/7 - 5/14

- A: Total confirmed cases are currently concentrated in NYC, NJ, MA, IL, and CA
- B: However, the Midwest and South experienced faster growth in child COVID-19 cases (5/7-5/14)

A. Total confirmed child COVID-19 cases, 5/14



B. Percent increase in confirmed child COVID-19 cases, 5/7 - 5/14



See detail in Appendix: Data from 47 states, NYC, DC, PR, and GU

Appendix Table 1: Overall Data Available on 5/14/20

Summary data across the 47 states, NYC, DC, PR, and GU reporting age distribution of confirmed 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
68,727,286	1,159,407	42,370	3.7%	61.6

* Locations (47 states, NYC, and DC, PR and GU) currently reporting age distribution for COVID-19 cases account for 94% of total US child population

^ Locations (47 states, NYC, and DC, PR and GU) currently reporting age distribution for COVID-19 cases account for 84% of total US confirmed cases



Appendix Table 2: Overall Data from 4/16 – 5/14

Date	Locations Reporting Age	Total cases (all ages)	Number of child cases*	Percent children of total cases	Cases per 100,000 children
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

* Unknown: number of children infected but not tested and confirmed



Appendix Table 3A: State-Level COVID-19 Data Available on 5/14/20

Click state name to view original data source

Location	Age range	Child Population (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	1,151	10.8%	10,700	105.6
Alaska	0-19	183,816	32	8.5%	383	17.6
Arizona	0-19	1,642,657	901	7.4%	12,176	54.9
Arkansas	0-17	703,180	151	3.6%	4,236	21.5
California	0-17	8,989,955	2,672	3.8%	71,141	29.7
Colorado	0-19	1,265,235	1,126	5.5%	20,475	89.0
Connecticut	0-19	735,193	1,078	3.1%	34,855	146.6
Delaware	0-17	203,616	365	5.3%	6,952	179.3
District of Columbia	0-18	127,494	253	3.8%	6,736	198.4
Florida	0-14	4,229,081	763	1.9%	41,236	18.0
Guam	0-19	57,727	11	7.5%	147	19.1
Hawaii	0-19	303,414	32	5.0%	638	10.5
Idaho	0-17	446,972	103	4.4%	2,324	23.0
Illinois	0-19	2,857,266	4,299	5.1%	84,698	150.5
Indiana	0-19	1,568,130	841	3.3%	25,473	53.6
Iowa	0-17	730,767	328	2.4%	13,675	44.9
Kansas	0-17	705,961	342	4.6%	7,468	48.4
Kentucky	0-19	1,008,829	308	4.4%	7,080	30.5
Louisiana	0-17	1,095,916	522	1.6%	32,662	47.6
Maine	0-19	250,404	47	3.1%	1,515	18.8
Maryland	0-19	1,340,148	1,970	5.5%	35,903	147.0
Massachusetts	0-19	1,366,858	2,995	3.7%	80,497	219.1
Michigan	0-19	2,164,668	992	2.0%	49,582	45.8
Minnesota	0-19	1,302,615	799	6.2%	12,917	61.3
Mississippi	0-17	706,141	450	4.5%	10,090	63.7
Missouri	0-19	1,376,830	331	3.3%	10,142	24.0

* As of 5/7, Alabama is reporting child cases as ages 0-24 (was previously reporting ages 0-18)

Appendix Table 3B: State-Level COVID-19 Data Available on 5/14/20

Click state name to view original data source

Location	Age range	Child Population (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	16	3.5%	462	7.0
Nevada	0-19	688,997	374	5.8%	6,394	54.3
New Hampshire [^]	0-19	258,170	118	4.6%	2,588	45.7
New Jersey	0-17	1,953,643	3,015	2.1%	141,560	154.3
New Mexico	0-19	482,153	665	12.4%	5,364	137.9
North Carolina	0-17	2,300,645	660	4.0%	16,507	28.7
North Dakota	0-19	178,698	171	10.0%	1,712	95.7
NYC	0-17	1,726,900	4,761	2.6%	186,293	275.7
Ohio	0-19	2,593,325	853	3.5%	24,245	32.9
Oklahoma	0-17	956,486	218	4.4%	4,962	22.8
Oregon	0-19	873,567	140	4.1%	3,416	16.0
Pennsylvania	0-18	2,648,911	1,073	1.8%	59,636	40.5
Puerto Rico	0-19	594,011	128	5.3%	2,427	21.5
Rhode Island	0-19	205,213	721	6.0%	12,016	351.3
South Carolina	0-20	1,105,945	562	7.0%	8,030	50.8
South Dakota	0-19	217,606	347	9.2%	3,792	159.5
Tennessee	0-20	1,506,220	1,397	8.5%	16,370	92.7
Texas [*]	0-19	7,398,099	626	4.4%	14,074	8.5
Utah	0-14	932,462	351	5.2%	6,749	37.6
Vermont	0-19	115,973	27	2.9%	932	23.3
Virginia	0-19	1,869,792	1,686	6.1%	27,813	90.2
Washington	0-19	1,663,285	811	4.6%	17,512	48.7
West Virginia	0-19	364,160	57	4.0%	1,427	15.7
Wisconsin	0-19	1,276,103	663	6.1%	10,902	52.0
Wyoming	0-18	134,775	67	12.8%	523	49.7

[^] Due to reporting lag, latest data on confirmed cases by age for New Hampshire is from May 5

^{*} Texas reporting age for only 14,074 out of 42,403 total confirmed cases

Appendix Table 4: Child Testing Data Available on 5/14/20

COVID-19 Testing and Children

Location	Age range	Number of child cases	Percent children of total cases	Total tests (all ages)	Number of child tests	Percent children of total tests	Positive rate*
Arizona	0-19	901	7.4%	175,455	11,126	6.3%	8.1%
Illinois	0-19	4,299	5.1%	489,359	26,904	5.5%	16.0%
Indiana	0-19	841	3.3%	154,083	7,242	4.7%	11.6%
Nevada	0-19	374	5.8%	79,735	3,839	4.8%	9.7%
Wyoming	0-18	67	12.8%	15,252	1,826	12.0%	3.7%

* Positive rate = number of child cases / number of child tests

Appendix Table 5: Child Hospitalization Data Available on 5/14/20

COVID-19-Associated Hospitalizations and Children

Location	Age range	Number of child cases	Percent children of total cases	Number of child hospitalizations	Percent children of total hospitalizations	Hospitalization rate*
Arizona	0-19	901	7.4%	15	0.9%	1.7%
Colorado	0-19	1,126	5.5%	59	1.6%	5.2%
Florida	0-14	763	1.9%	28	0.4%	3.7%
Hawaii	0-19	32	5.0%	0	0.0%	0.0%
Kansas	0-17	342	4.6%	3	0.4%	0.9%
Massachusetts	0-19	2,995	3.7%	50	0.6%	1.7%
Mississippi	0-17	450	4.5%	16	1.0%	3.6%
New Hampshire	0-19	118	4.6%	6	2.1%	5.1%
New Jersey	0-17	3,015	2.1%	77	0.5%	2.5%
North Dakota	0-19	171	10.0%	3	2.3%	1.8%
NYC	0-17	4,761	2.6%	392	0.8%	8.2%
Ohio	0-19	853	3.5%	43	3.1%	5.0%
Oregon	0-19	140	4.1%	6	0.9%	4.3%
Rhode Island	0-19	721	6.0%	0	0.0%	0.0%
South Dakota	0-19	347	9.2%	6	2.1%	1.7%
Utah	0-14	351	5.2%	2	0.4%	0.6%
Virginia	0-19	1,686	6.1%	49	1.4%	2.9%
Wisconsin	0-19	663	6.1%	25	1.3%	3.8%

* Hospitalization rate = number of child hospitalizations / number of child cases

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Appendix Table 6: Child Mortality Data Available on 5/14/20

COVID-19-Associated Deaths and Children

Location	Age range	Number of child cases	Percent children of total cases	Number of child deaths	Percent children of total deaths
Alabama	0-24	1,151	10.8%	0	0.0%
Arizona	0-19	901	7.4%	1	0.2%
Arkansas	0-17	151	3.6%	0	0.0%
California	0-17	2,672	3.8%	0	0.0%
Colorado	0-19	1,126	5.5%	1	0.1%
Connecticut	0-19	1,078	3.1%	0	0.0%
Delaware	0-17	365	5.3%	0	0.0%
Florida	0-14	763	1.9%	0	0.0%
Idaho	0-17	103	4.4%	0	0.0%
Illinois	0-19	4,299	5.1%	3	0.1%
Indiana	0-19	841	3.3%	1	0.1%
Iowa	0-17	328	2.4%	0	0.0%
Kansas	0-17	342	4.6%	0	0.0%
Kentucky	0-19	308	4.4%	0	0.0%
Louisiana	0-17	522	1.6%	2	0.1%
Maryland	0-19	1,970	5.5%	0	0.0%
Massachusetts	0-19	2,995	3.7%	0	0.0%
Michigan	0-19	992	2.0%	1	0.0%
Minnesota	0-19	799	6.2%	0	0.0%
Mississippi	0-17	450	4.5%	0	0.0%
Missouri	0-19	331	3.3%	0	0.0%
Nevada	0-19	374	5.8%	1	0.3%
New Hampshire	0-19	118	4.6%	0	0.0%
New Jersey	0-17	3,015	2.1%	0	0.0%
North Carolina	0-17	660	4.0%	0	0.0%
North Dakota	0-19	171	10.0%	0	0.0%
NYC	0-17	4,761	2.6%	9	0.1%
Ohio	0-19	853	3.5%	0	0.0%
Oklahoma	0-17	218	4.4%	0	0.0%
Rhode Island	0-19	721	6.0%	0	0.0%
South Carolina	0-20	562	7.0%	0	0.0%
South Dakota	0-19	347	9.2%	0	0.0%
Tennessee	0-20	1,397	8.5%	2	0.7%
Vermont	0-19	27	2.9%	0	0.0%
Virginia	0-19	1,686	6.1%	0	0.0%