

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: 7/21/22

Note: Data Limitations. The numbers in this report represent cumulative counts since states began reporting. The data are based on how public agencies collect, categorize and post information. All data reported by state/local health departments are preliminary and subject to change and reporting may change over time. Notably, in the summer of 2021 and winter of 2022, some states have revised cases counts previously reported, begun reporting less frequently, or dropped metrics previously reported. For example, due to several changes on their dashboards and the data currently available, AL, TX, HI, DC, MS, SC, NE, and MN data in this report are not current (cumulative data through 7/29/21, 8/26/21, 1/13/22, 3/3/22, 3/10/22, 4/28/22, 5/12/22, and 6/30/22 respectively). Additionally, as of 3/17/22, FL published case and death data available every other week. Readers should consider these factors. States may have additional information on their web sites.

Changes in testing and how states report might affect week to week comparisons. The extremely high volume of cases during the Omicron surge followed by the sharp decline in cases may have created discontinuities in state reports week to week. Shortages of COVID-19 tests during surges and the increasing use of COVID-19 home tests likely affect the undercounting of COVID-19 cases. During holiday weeks states may change their reporting schedules which may cause irregularities in trends. At times when COVID-19 transmission is low, states might reduce the frequency information is updated. Beginning in March 2022, several states shifted to updating data one to two times a week. For children, the periods when school is not in session might reduce the volume of testing and reporting.

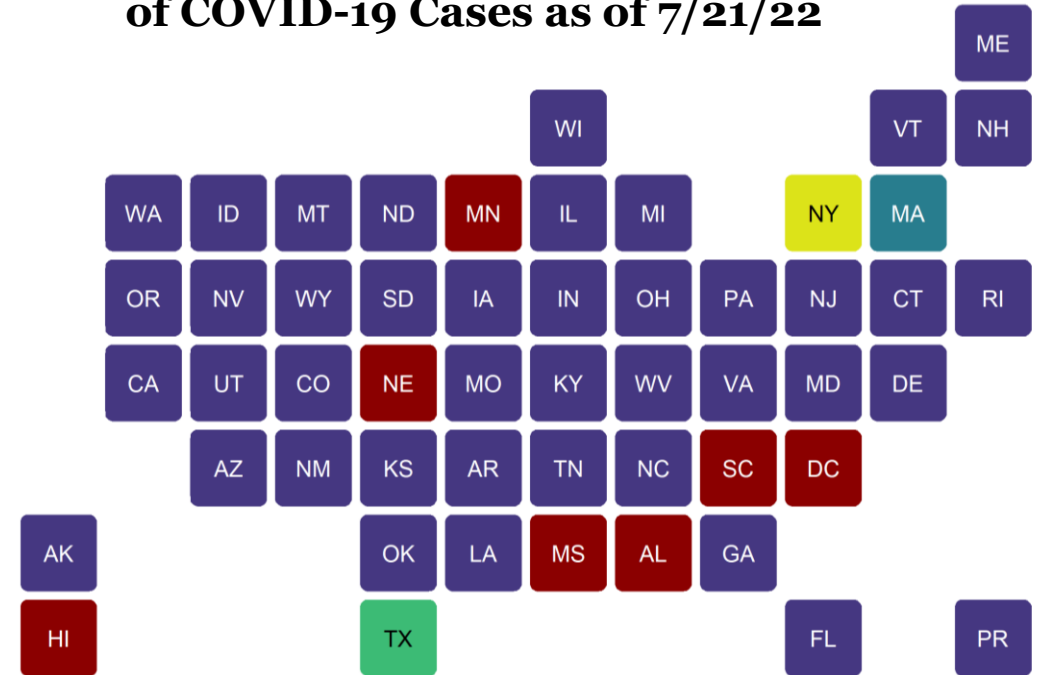
On 7/15/22, TX released new data that is NOT included in cumulative case counts or figures but located [here](#) and in Appendix 3B of this report (1,250,637 cumulative child cases as of 7/15/22); TX previously reported age for only a small proportion of total cases each week (eg, 2-20%); these cumulative cases through 8/26/21 are included (7,754).

As of 6/16/22, due to only a portion of states reporting hospitalizations and deaths, we are no longer providing updates on cumulative hospitalizations and mortality data. The CDC now provides information that includes all of the US: For information regarding US child hospitalizations from the CDC, visit <https://covid.cdc.gov/covid-data-tracker/#new-hospital-admissions>. For information pertaining to US child mortality from the CDC, visit <https://covid.cdc.gov/covid-data-tracker/#demographics>.

COVID-19: Available Data for Children

- State-level reports are the best publicly available data on COVID-19 cases in children
- Starting in June 2021, some states reported less frequently and dropped metrics previously reported as overall cases decreased
- This report summarizes what was available on 7/21/22
- **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 7/21/22



Reporting age distribution of COVID-19 cases:

- Yes: Reported age distribution of cases
- TX: Reported age distribution for only 2% of cases; Cases through 8/26/21
- NY: Only NYC reported age distribution of cases
- MA: Only reported age distribution of cases added in past 2 weeks
- AL: Cases through 7/29/21 HI: Cases through 1/13/22
- DC: Cases through 3/3/22 MS: Cases through 3/10/22
- SC: Cases through 4/28/22 NE: Cases through 5/12/22
- MN: Cases through 6/30/22

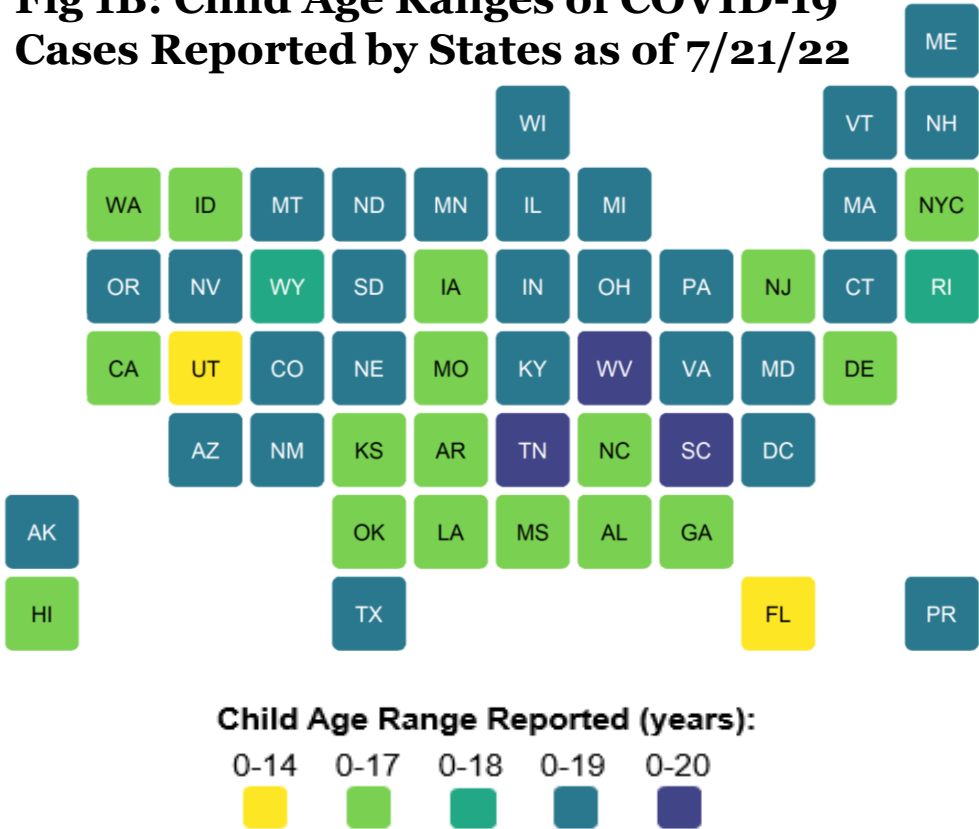
See detail in Appendix: Data from 49 states, NYC, DC, PR, and GU
 Analysis by American Academy of Pediatrics and Children's Hospital Association
 All data reported by state/local health departments are preliminary and subject to change

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

Fig 1B: Child Age Ranges of COVID-19 Cases Reported by States as of 7/21/22



State-Level Changes

- TX: Age distribution reported for only 2% of confirmed cases (99,989/5,986,409) resulting in an undercount of child cases; TX cumulative cases through 8/26/21. As of 7/15/22, TX released new data that is NOT included in cumulative case counts or figures but located [here](#) and in Appendix 3B of this report
- NY: Did not provide age distribution for state-wide cases (NYC only)
- AL: As of 8/13/20, changed definition of child case from 0-24 to 0-17 years; as of 9/17/20, provided age distribution for confirmed cases only; as of 8/5/21, due to change in data available, AL cumulative cases 7/29/21
- HI: As of 8/27/20, changed definition of child case from 0-19 to 0-17 years; As of 1/20/22, due to change in available data, HI cumulative cases through 1/13/22
- MA: As of 9/3/20, revised definition of probable case, leading to a reduction in total case count, and changed reporting from total child cases to cases added in last two weeks
- RI: As of 9/10/20, changed definition of child case from 0-19 to 0-18 years
- MO: As of 10/1/20, changed definition of child cases from 0-19 to 0-17 years
- PR: As of 3/11/21, due to a change in data available, a calculation was required to obtain confirmed and probable child case totals, leading to a reduction in total child case count
- FL: As of 6/24/21, due to change in data available, calculation required to obtain child cases for 0-14 years; As of 3/17/22, available case data updated every other week
- LA: As of 8/5/21, changed reporting total cases from confirmed to confirmed and probable (combined)
- WV: As of 8/12/21, WV changed definition of child case from 0-19 to 0-20 years
- WA: As of 3/10/22, changed definition of child case from 0-19 to 0-17
- DC: As of 3/10/22, due to change in available data, DC cumulative cases through 3/3/22
- MS: As of 3/17/22, due to change in available data, MS cumulative cases through 3/10/22
- SC: As of 5/5/22, due to change in available data, SC cumulative cases through 4/28/22
- NE: As of 5/19/22, due to change in available data, NE cumulative cases through 5/12/22
- MN: As of 7/7/22, due to change in available data, MN cumulative cases through 6/30/22

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: 7/21/22

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*

- 14,003,497 total child COVID-19 cases reported, and children represented 18.6% (14,003,497/75,463,921) of all cases
- Overall rate: 18,605 cases per 100,000 children in the population

Change in Child COVID-19 Cases*

- 91,932 child COVID-19 cases were reported the past week from 7/14/22-7/21/22 (13,911,565 to 14,003,497) and children represented 12.7% (91,932/724,953) of the weekly reported cases
- Over two weeks, 7/7/22-7/21/22, there was a 1% increase in the cumulated number of child COVID-19 cases since the beginning of the pandemic (167,365 cases added (13,836,132 to 14,003,497))

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 Limitations. The numbers in this report represent cumulative counts since states began reporting. The data are based on how public agencies collect, categorize and post information. All data reported by state/local health departments are preliminary and subject to change and reporting may change over time. Notably, in the summer of 2021 and winter of 2022, some states have revised cases counts previously reported, begun reporting less frequently, or dropped metrics previously reported. For example, due to several changes on their dashboards and the data currently available, AL, TX, HI, DC, MS, SC, NE, and MN data in this report are not current (cumulative data through 7/29/21, 8/26/21, 1/13/22, 3/3/22, 3/10/22, 4/28/22, 5/12/22, and 6/30/22 respectively). Additionally, as of 3/17/22, FL published case and death data available every other week. Readers should consider these factors. States may have additional information on their web sites.

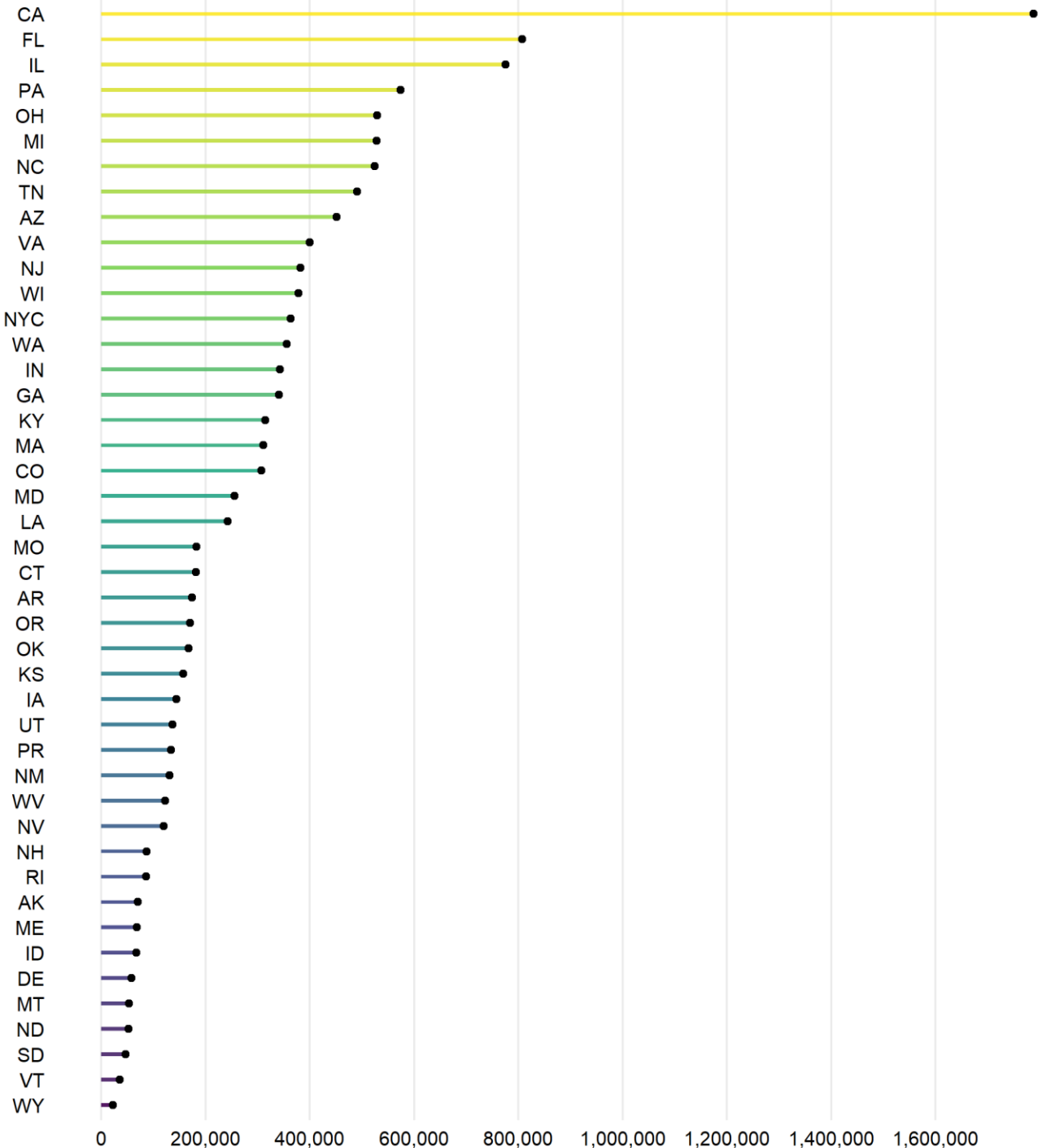
Changes in testing and how states report might affect week to week comparisons. The extremely high volume of cases during the Omicron surge followed by the sharp decline in cases may have created discontinuities in state reports week to week. Shortages of COVID-19 tests during surges and the increasing use of COVID-19 home tests likely affect the undercounting of COVID-19 cases. During holiday weeks states may change their reporting schedules which may cause irregularities in trends. At times when COVID-19 transmission is low, states might reduce the frequency information is updated. Beginning in March 2022 several states shifted to updating data one to two times a week. For children, the periods when school is not in session might reduce the volume of testing and reporting.

On 7/15/22, TX released new data that is NOT included in cumulative case counts or figures but located [here](#) and in Appendix 3B of this report (1,250,637 cumulative child cases as of 7/15/22); TX previously reported age for only a small proportion of total cases each week (eg, 2-20%); these cumulative cases through 8/26/21 are included (7,754).

As of 6/16/22, due to only a portion of states reporting hospitalizations and deaths, we are no longer providing updates on cumulative hospitalizations and mortality data. The CDC now provides information that includes all of the US: For information regarding US child hospitalizations from the CDC, visit <https://covid.cdc.gov/covid-data-tracker/#new-hospital-admissions>. For information pertaining to US child mortality from the CDC, visit <https://covid.cdc.gov/covid-data-tracker/#demographics>.

Fig 2. Cumulative Number of Child COVID-19 Cases: 7/21/22

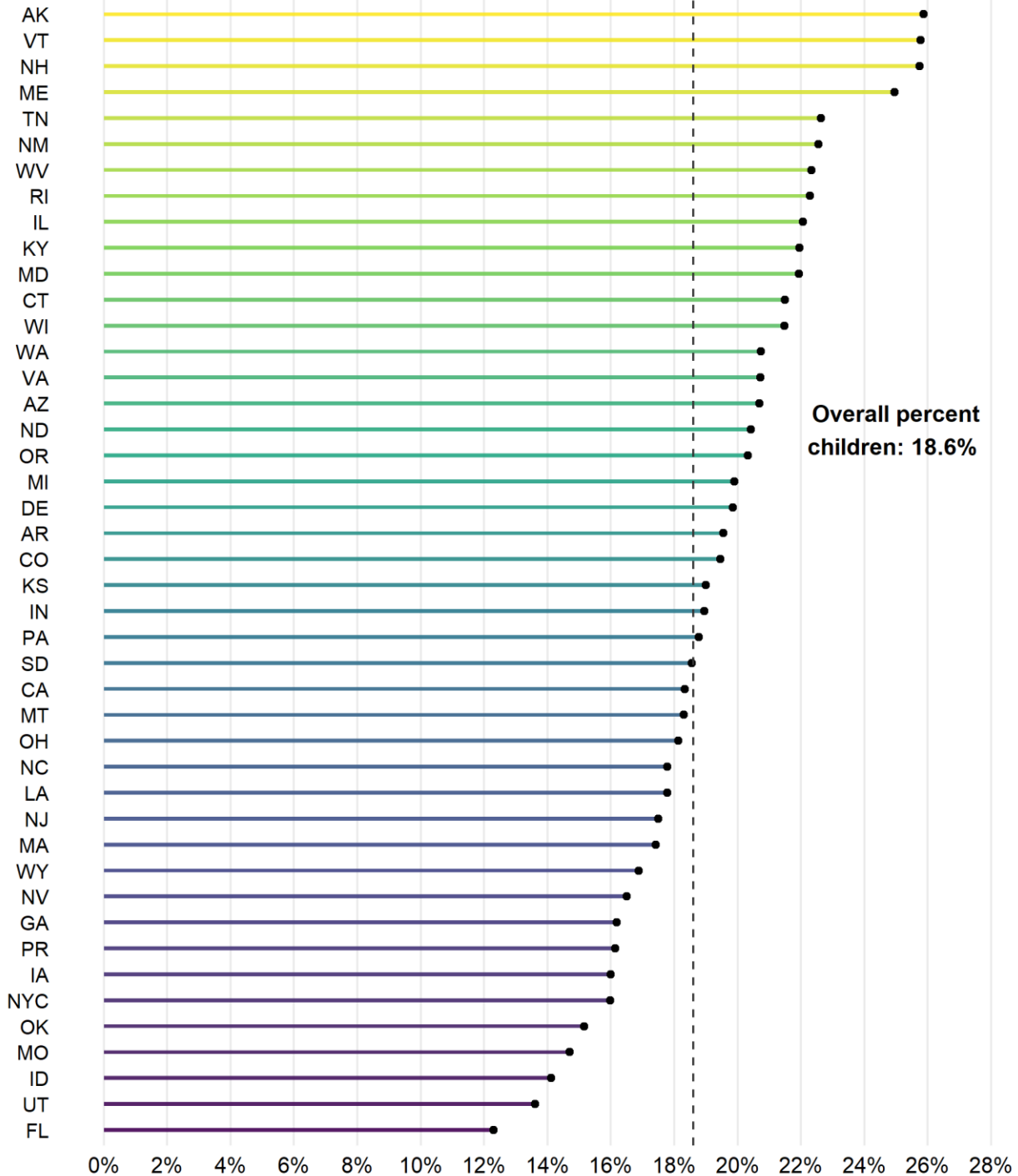
- 14,003,497 total child COVID-19 cases (cumulative)
- Among states reporting:
 - Nine states reported 400,000+ child cases
 - Three states reported fewer than 50,000 child cases



See detail in Appendix: Data from 48 states, NYC, DC, PR, and GU (TX excluded from figure)
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 For 7 states, due to available data and changes made to dashboards, cumulative child cases and total cases for all ages are not current: AL through 7/29/21, HI through 1/13/22, DC through 3/3/22, MS through 3/10/22, SC through 4/28/22, NE through 5/12/22, and MN through 6/30/22. These 7 states, TX, and GU are not included in the figure.
 As of 6/9/22, due to available data for FL (case data updated every other week), child and total cases averaged across 2 week period accordingly
 On 7/21/22, due to available data, IA cumulative child cases and total cases through 6/23/22
 On 7/21/22, due to available data, NV cumulative child cases and total cases through 7/14/22

Fig 3. Percent of Cumulative COVID-19 Cases that were Children: 7/21/22

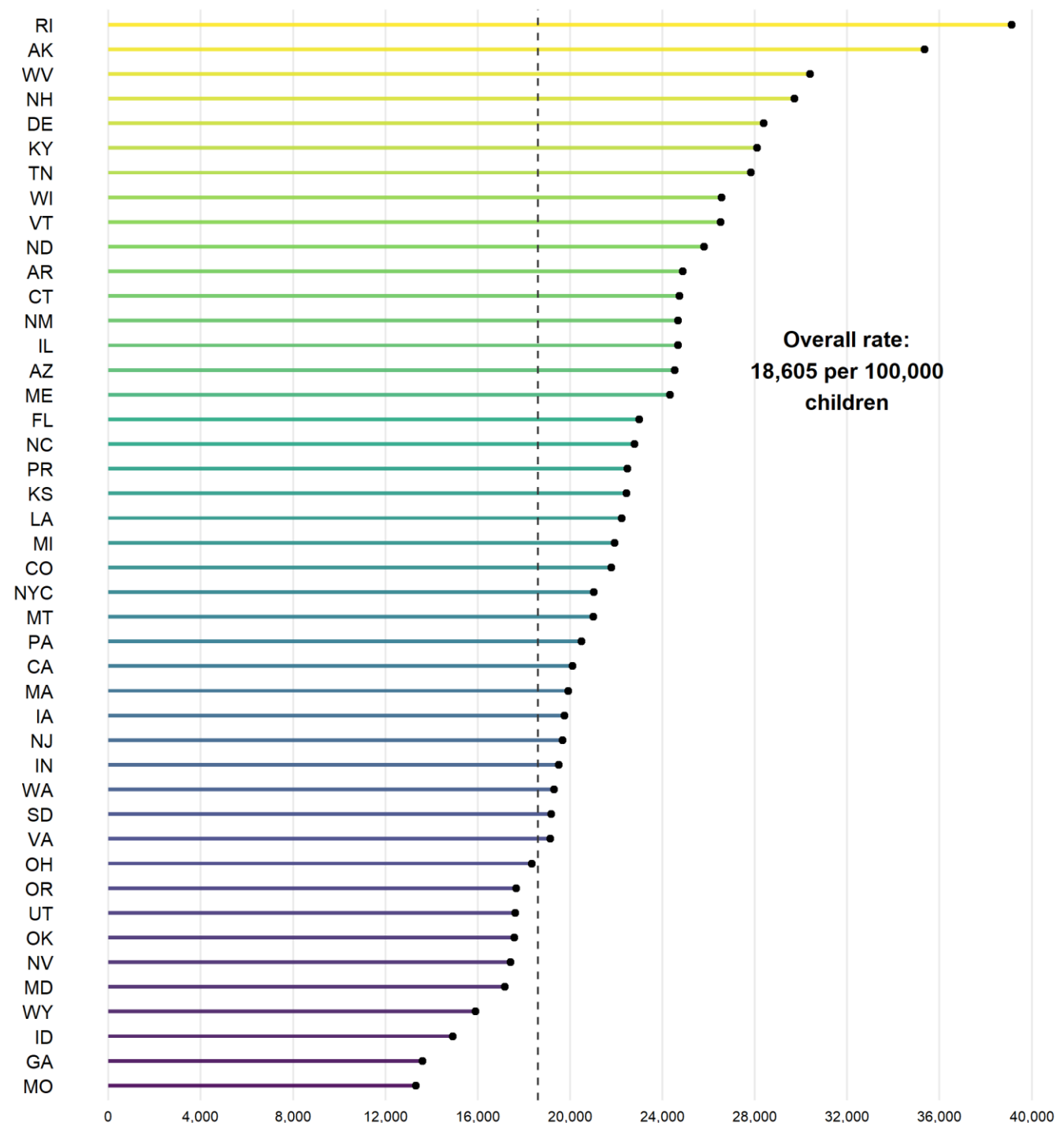
- Children represented 18.6% (14,003,497/75,463,921) of all available cases
- Among states reporting:
 - Nine states reported 22% or more of cumulated cases were children



See detail in Appendix: Data from 48 states, NYC, DC, PR, and GU (TX excluded from figure)
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 On 7/21/22, due to available data, NV cumulative child cases and total cases through 7/14/22

Fig 4. Cumulative COVID-19 Cases per 100,000 Children: 7/21/22

- Calculated using state-level population estimates from US Census Bureau (2019)*
- Overall rate: 18,605 child COVID-19 cases per 100,000 children in the population
- Among states reporting:
 - Sixteen states reported more than 24,000 cases per 100,000

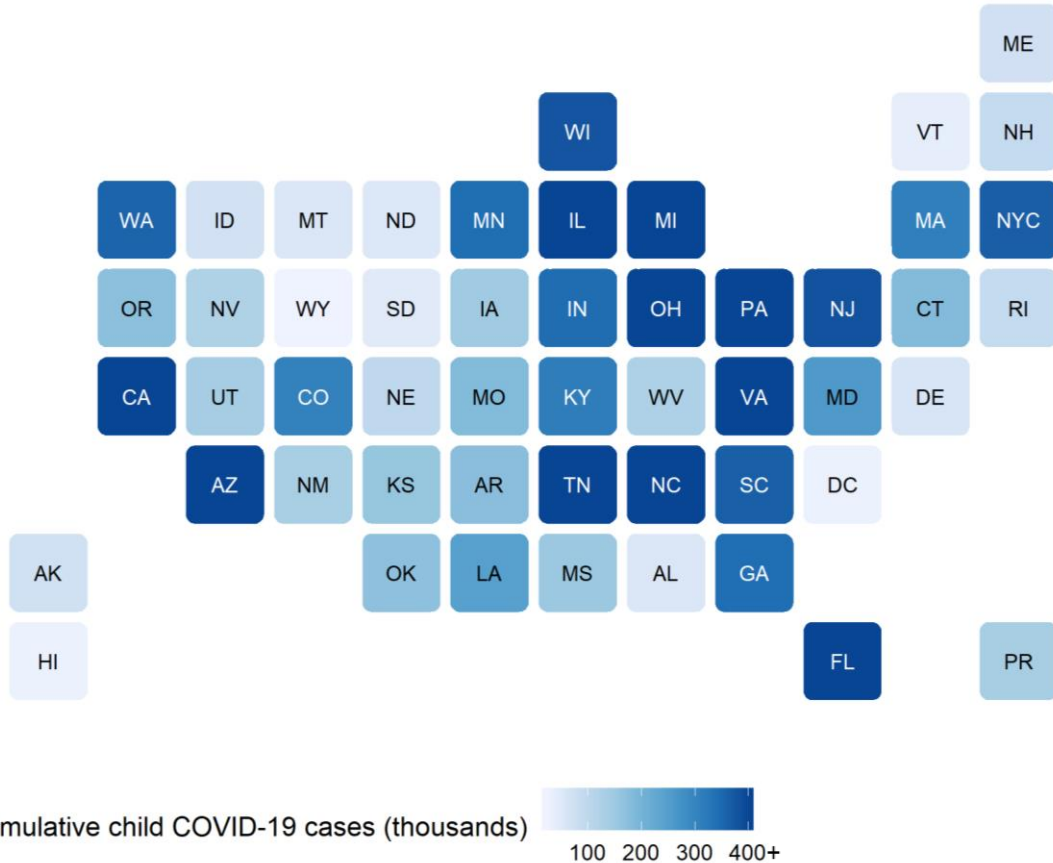


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 On 7/21/22, due to available data, NV cumulative child cases and total cases through 7/14/22
 * Source: US Census Bureau, State Population by Characteristics: 2010-2019,
<https://www.census.gov/data/tables/time-series/demo/popest/2010s-state-detail.html>

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

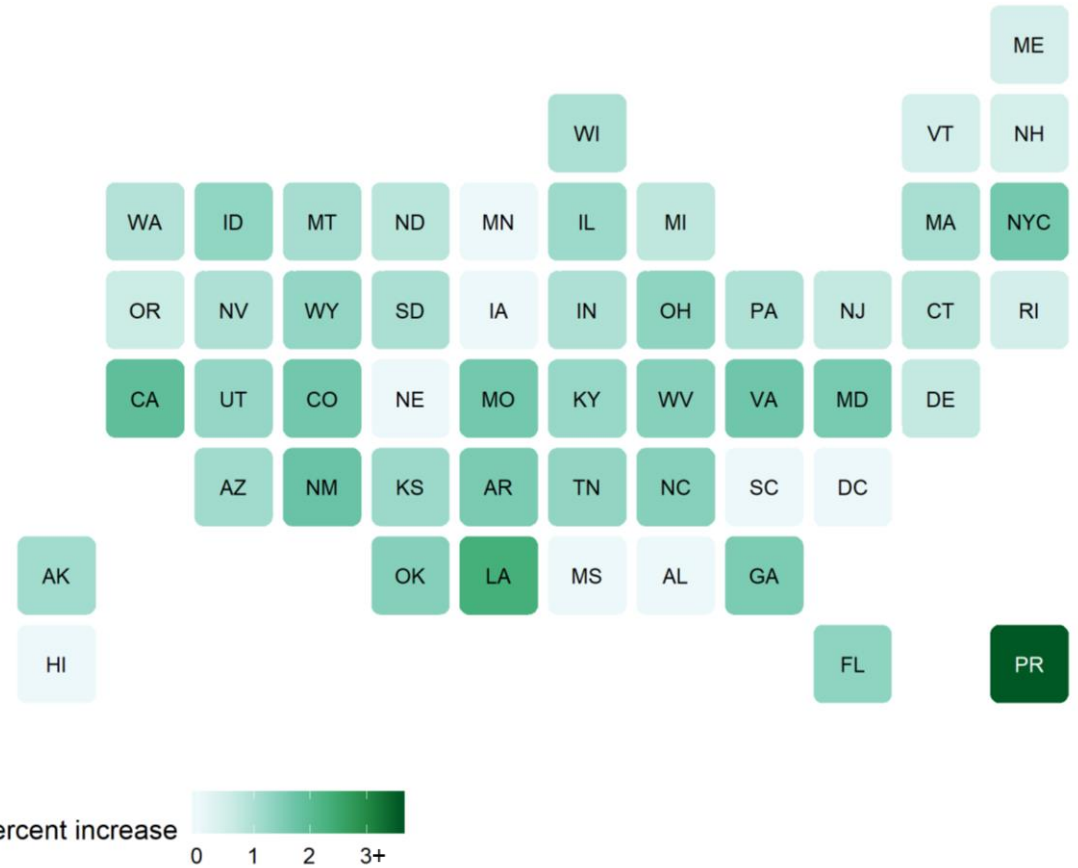
A. Cumulative Child COVID-19 Cases, 7/21/22

9 states with 400,000+ cumulative child cases



B. Percent Increase in Child Cases, 7/7/22-7/21/22

From 7/7-7/21, there were 167,365 child cases added (13,836,132 to 14,003,497; 1% increase)



See detail in Appendix: Data from 48 states, NYC, DC, and PR (TX excluded from figures)

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Due to available data and calculations required to obtain MA child cases, weekly estimates fluctuate (eg, on 7/7/22, due to available data, MA cumulative child cases and total cases through 6/30/22)

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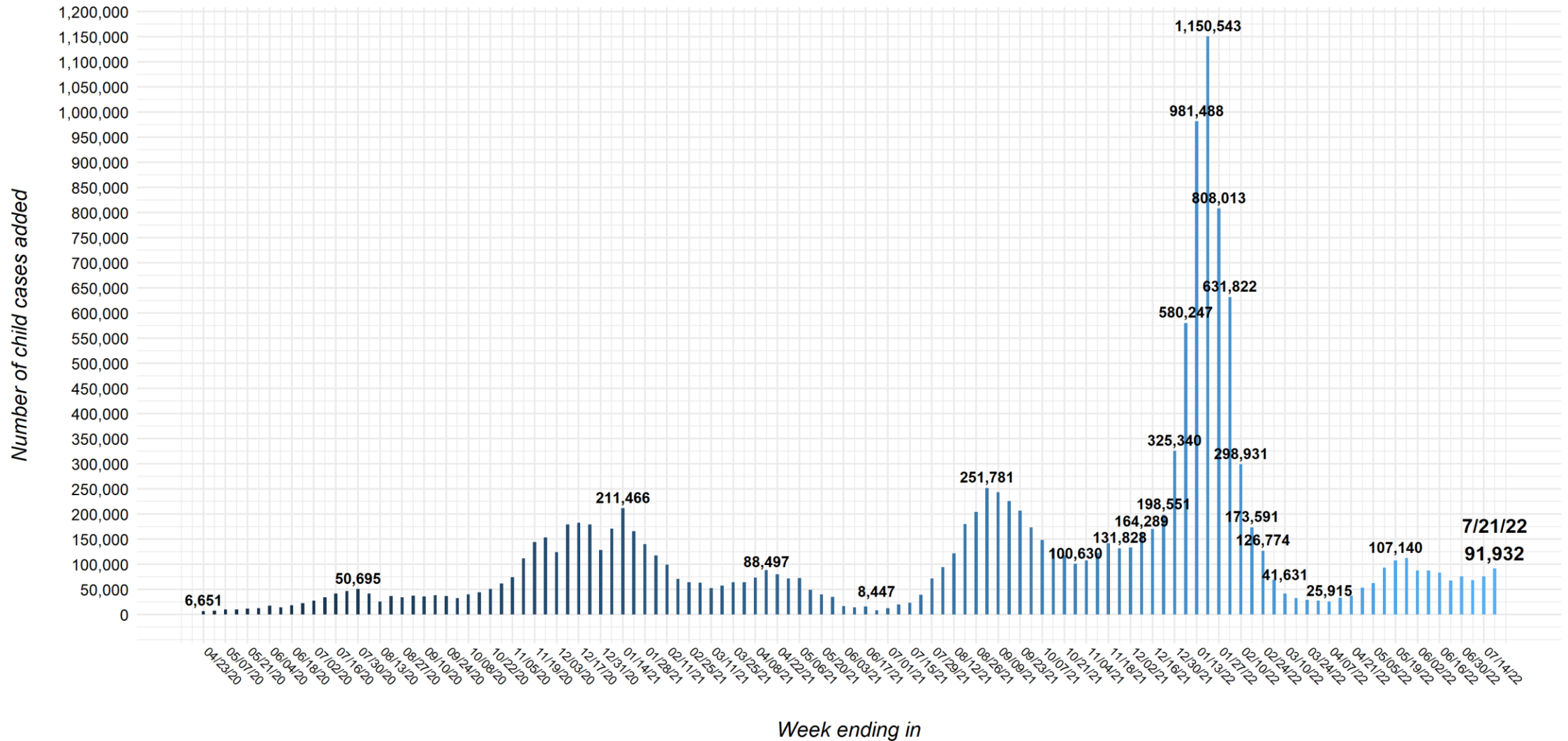
On 7/14/22, due to available data, NJ cumulative child cases and total cases through 6/30/22

On 7/14/22, due to available data, OR cumulative child cases and total cases through 7/7/22

On 7/21/22, due to available data, IA cumulative child cases and total cases through 6/23/22

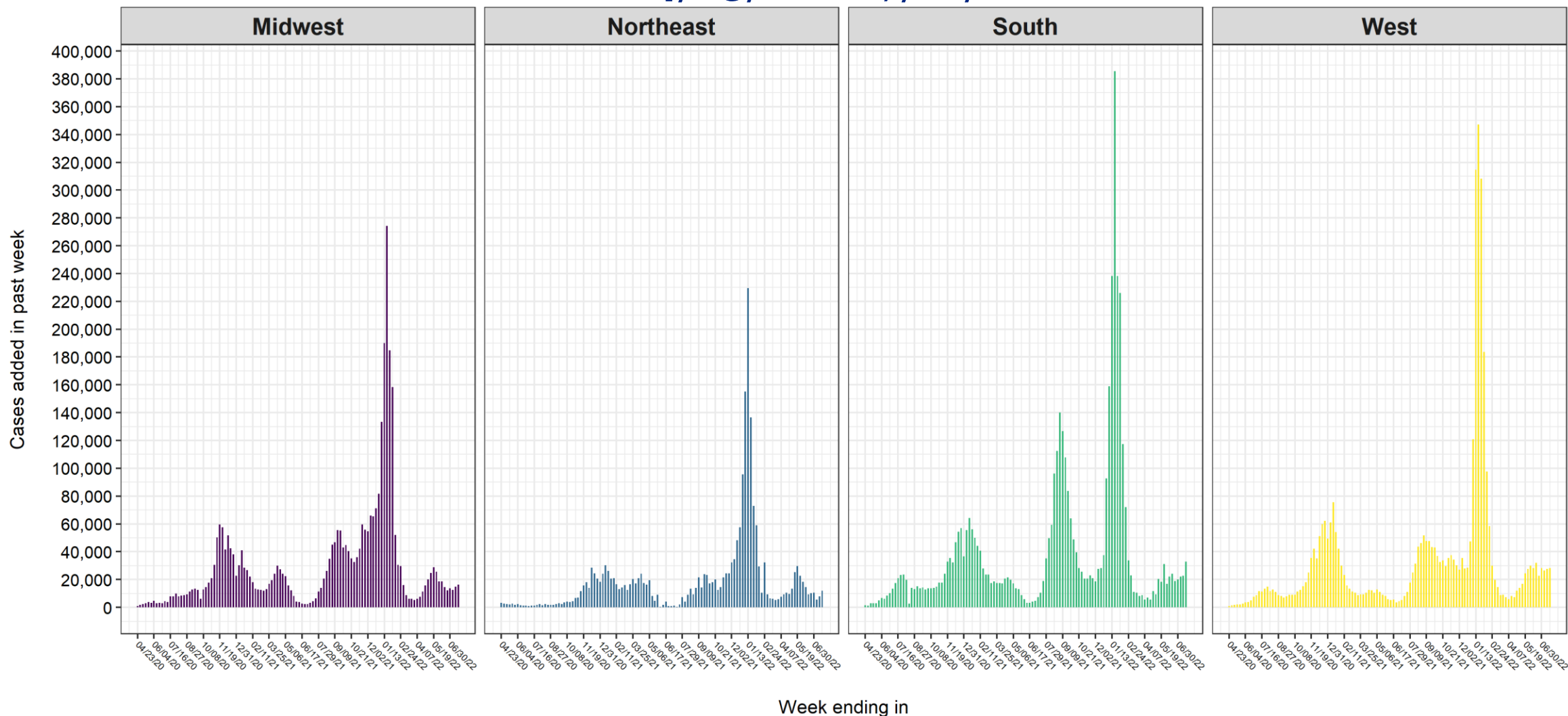
On 7/21/22, due to available data, NV cumulative child cases and total cases through 7/14/22

Fig 6. United States: Number of Child COVID-19 Cases Added in Past Week*



* Note: 6 states changed their definition of child cases: AL as of 8/13/20, HI as of 8/27/20, RI as of 9/10/20, MO as of 10/1/20, WV as of 8/12/21, WA as of 3/10/22
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Fig 7. United States: Child COVID-19 Cases Added in Past Week, by Region* 4/23/20 to 7/21/22



* Note: Regions are the US Census Regions

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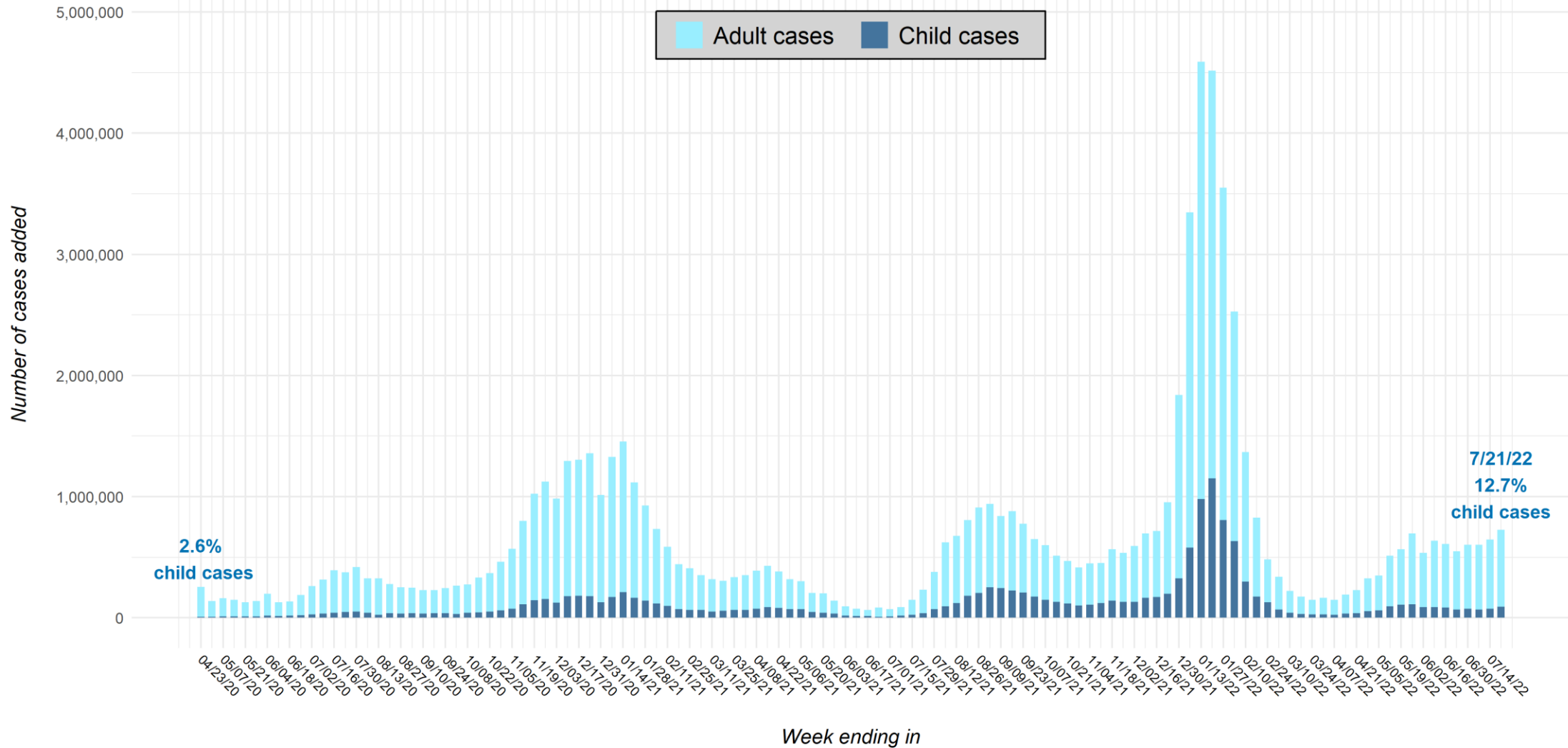
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On 7/21/22, due to available data, NV cumulative child cases and total cases though 7/14/22

See detail in Appendix: Data from 49 states, NYC, DC, PR and GU

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Fig 8. United States: Number of COVID-19 Cases Added in Past Week for Children and Adults*



* Note: 6 states changed their definition of child cases: AL as of 8/13/20, HI as of 8/27/20, RI as of 9/10/20, MO as of 10/1/20, WV as of 8/12/21, WA as of 3/10/22
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Appendix Table 1: Case Data Available on 7/21/22

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	75,463,921	14,003,497	18.6%	18605.1

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 On 7/21/22, due to available data, NV cumulative child cases and total cases through 7/14/22

Appendix Table 2A: Summary of Child Case Data from 4/16/20 – 7/21/22*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases [^]	Percent children of total cases	Cases per 100,000 children
7/21/22	49 states, NYC, DC, PR and GU [±] [∇]	75,463,921	14,003,497	18.6%	18605.1
7/14/22	49 states, NYC, DC, PR and GU ⁺ [±] [∩]	74,738,968	13,911,565	18.6%	18483.0
7/7/22	49 states, NYC, DC, PR and GU [#] [±] [∩] [□]	74,094,409	13,836,132	18.7%	18382.8
6/30/22	49 states, NYC, DC, PR and GU [¥] [±]	74,493,180	13,768,212	18.7%	18292.5
6/23/22	49 states, NYC, DC, PR and GU [*] [¥]	72,892,042	13,692,213	18.8%	18191.6
6/16/22	49 states, NYC, DC, PR and GU [¥]	72,342,343	13,624,605	18.8%	18101.7
6/9/22	49 states, NYC, DC, PR and GU [∧]	71,733,195	13,541,153	18.9%	17990.1
6/2/22	49 states, NYC, DC, PR and GU [∧]	71,097,215	13,453,509	18.9%	17874.4

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

[±] On 7/21/22, 7/14/22, 7/7/22 & 6/30/22, due to available data, IA cumulative child cases and total cases through 6/23/22

[∇] On 7/21/22, due to available data, NV cumulative child cases and total cases through 7/14/22

⁺ On 7/14/22, due to available data, OR cumulative child cases and total cases through 7/7/22

[∩] On 7/14/22 & 7/7/22, due to available data, NJ cumulative cases and total cases through 6/30/22

[#] On 7/7/22, due to available data and calculations required, MA cumulative child cases and total cases through 6/30/22

[□] As of 7/7/22, due to available data, MN cumulative cases and total cases through 6/30/22

[¥] On 6/30/22, due to available data, NC cumulative child cases through 6/9/22 and total cases through 6/23/22; On 6/23/22 & 6/16/22, due to available data for NC, cumulative child cases through 6/9/22

[♦] On 6/23/22, due to available data, WV cumulative child cases through 6/16/22

[∧] As of 6/9/22, due to available data for FL (case data updated every other week), child and total cases averaged across 2 week period accordingly;

On 6/2/22 FL cumulative child cases and cumulative cases for all ages not updated; data through previous week

Appendix Table 2A, cont.: Summary of Child Case Data from 4/16/20 – 7/21/22*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases [^]	Percent children of total cases	Cases per 100,000 children
5/26/22	49 states, NYC, DC, PR and GU	70,562,064	13,366,135	18.9%	17758.3
5/19/22	49 states, NYC, DC, PR and GU ^{^ Δ}	69,867,027	13,253,639	19.0%	17608.9
5/12/22	49 states, NYC, DC, PR and GU ^{^ ×}	69,301,598	13,146,499	19.0%	17466.5
5/5/22	49 states, NYC, DC, PR and GU ^{^ « v}	68,789,929	13,052,988	19.0%	17342.3
4/28/22	49 states, NYC, DC, PR and GU	68,440,359	12,990,521	19.0%	17259.3
4/21/22	49 states, NYC, DC, PR and GU [^]	68,116,040	12,937,304	19.0%	17188.6
4/14/22	49 states, NYC, DC, PR and GU ^{^ ¢}	67,888,798	12,900,231	19.0%	17139.3
4/7/22	49 states, NYC, DC, PR and GU [^]	67,697,074	12,867,085	19.0%	17095.3
3/31/22	49 states, NYC, DC, PR and GU	67,548,200	12,841,170	19.0%	17060.9
3/24/22	49 states, NYC, DC, PR and GU ^{^ ≡}	67,382,820	12,813,648	19.0%	17024.3
3/17/22	49 states, NYC, DC, PR and GU ^{^ ▽}	67,233,212	12,784,627	19.0%	16985.7

* 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

[^] On 3/24/22, 4/7/22, 4/21/22, 5/5/22, & 5/19/22 FL cumulative child cases and cumulative cases for all ages not updated; data through previous week

^Δ As of 5/19/22, due to available data, NE cumulative child cases and total cases through 5/12/22

[×] On 5/12/22, due to available data for MO, cumulative cases through 5/5/22

[«] As of 5/5/22, due to available data, SC cumulative child cases and total cases through 4/28

^v On 5/5/22, due to available data, NV cumulative child cases and total cases through 4/28; On 3/17/22, due to available NV data and calculation required to obtain child total cases, there is a downward revision of cumulative child cases

[¢] On 4/14/22, due to available data, DE experienced downward revision in cumulative child cases and cumulative cases for all ages

[~] On 4/14/22, due to available data, WY experienced downward revision in cumulative child cases

[≡] On 3/24/22, due to available data, ND revised child case data resulting in a downward revision of cumulative child cases

[▽] As of 3/17/22, MS cumulative cases through 3/10/22

Appendix Table 2A, cont.: Summary of Child Case Data from 4/16/20 – 7/21/22*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases [^]	Percent children of total cases	Cases per 100,000 children
3/10/22	49 states, NYC, DC, PR and GU ^{# + \$}	67,058,358	12,752,636	19.0%	16943.2
3/3/22	49 states, NYC, DC, PR and GU [«]	66,838,161	12,711,006	19.0%	16887.9
2/24/22	49 states, NYC, DC, PR and GU ^{# ± + > ∅}	66,497,922	12,642,165	19.0%	16797.5
2/17/22	49 states, NYC, DC, PR and GU ^{# ±}	66,014,026	12,515,391	19.0%	16628.0
2/10/22	49 states, NYC, DC, PR and GU ⁺	65,187,326	12,341,801	18.9%	16397.4
2/3/22	49 states, NYC, DC, PR and GU ^Δ	63,819,973	12,042,870	18.9%	16000.2
1/27/22	49 states, NYC, DC, PR and GU ^{+ ▲ # >}	61,294,291	11,411,047	18.6%	15160.8
1/20/22	49 states, NYC, DC, PR and GU ^{+ ◇ •}	57,745,512	10,603,034	18.4%	14087.3
1/13/22	49 states, NYC, DC, PR and GU [≈]	53,230,820	9,452,491	17.8%	12558.6
1/6/22	49 states, NYC, DC, PR and GU ^{▲ ≈}	48,641,190	8,471,003	17.4%	11254.6
12/30/21	49 states, NYC, DC, PR and GU ⁻	45,294,534	7,890,756	17.4%	10483.7
12/23/21	49 states, NYC, DC, PR and GU ⁻	43,456,624	7,565,416	17.4%	10051.5
12/16/21	49 states, NYC, DC, PR and GU ^{○ -}	42,502,606	7,366,865	17.3%	9787.7
12/9/21	49 states, NYC, DC, PR and GU [○]	41,786,102	7,196,901	17.2%	9561.8
12/2/21	49 states, NYC, DC, PR and GU	41,090,717	7,032,612	17.1%	9343.6

* 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

[#] On 3/10/22, due to available data and calculations required, MA cumulative child cases through 3/3/22;

For several weeks in 2022 (1/27, 2/17, & 2/24), due to available data and calculations required to obtain child cases, there is a downward revision of cumulative child cases for MA

+ As of 3/10/22, DC cumulative cases through 3/3/22; On 2/24/22, DC cumulative child cases through 2/17/22; On 2/10/22, DC cumulative child cases through 2/3/22; On 1/20/22 and 1/27/22, DC cumulative child cases through 1/13/22

^{\$} As of 3/10/22, WA changed definition of child case from 0-19 to 0-17

[«] On 3/3/22, due to available data, SC revised case data resulting in a downward revision of cumulative child cases

[±] On 2/24/22, due to change in available data, IA experienced increase of 16,091 cumulative child cases; On 2/17/22, due to available data IA cumulative child cases and cumulative cases for all ages through 2/10/22

[>] On 2/24/22, due to available data, VA cumulative child cases through 2/17/22; On 1/27/22, due to available data, VA cumulative child cases through 1/20/22

[∅] On 2/24/22, due to data available, KS revised child case data resulting in downward revision of cumulative child cases

^Δ As of 2/3/22, NE cases by age are again available and included for 6/24/21 through 2/3/22, resulting in an increase of 53,069 child cases and 220,489 total cases

[▲] On 1/6/22, due to available data, GU cumulative child cases through 12/30/21; On 1/27/22, due to available data, GU cumulative child cases and cumulative cases for all ages through 1/20/22

[◇] As of 1/20/22, due to data available, HI cumulative child cases and cumulative cases for all ages through 1/13/22

[•] As of 1/20/22, TX released new data that is NOT included in cumulative case counts or figures but located in Appendix 3B of this report (774,083 cumulative child cases)

[≈] On 1/6/22 and 1/13/22, due to available data, OK cumulative child cases through 12/30/21

⁻ On 12/16/21 & 12/23/21, due to available data, MD child cases through 12/9/21; On 12/30/21, due to lag in reporting, MD experienced a very large increase in child cases (eg, 30,764 cases added)

[○] On 12/9/21, due to available data, RI cumulative cases through 12/2/21; On 12/16/21, due to lag in reporting, RI experienced a large increase in child cases (eg, 3,285 cases added)

Appendix Table 2A, cont.: Summary of Child Case Data from 4/16/20 – 7/21/22*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases [^]	Percent children of total cases	Cases per 100,000 children
11/25/21	49 states, NYC, DC, PR and GU ^{■ +}	40,497,291	6,899,590	17.0%	9166.8
11/18/21	49 states, NYC, DC, PR and GU	39,961,694	6,767,762	16.9%	8991.7
11/11/21	49 states, NYC, DC, PR and GU [#]	39,397,035	6,625,857	16.8%	8803.2
11/4/21	49 states, NYC, DC, PR and GU	38,944,914	6,503,629	16.7%	8640.8
10/28/21	49 states, NYC, DC, PR and GU [#]	38,496,700	6,396,278	16.6%	8498.1
10/21/21	49 states, NYC, DC, PR and GU	38,080,641	6,295,648	16.5%	8364.4
10/14/21	49 states, NYC, DC, PR and GU	37,611,563	6,177,563	16.4%	8208.1
10/7/21	49 states, NYC, DC, PR and GU [#]	37,099,164	6,047,371	16.3%	8034.6
9/30/21	49 states, NYC, DC, PR and GU	36,501,460	5,899,148	16.2%	7837.6
9/23/21	49 states, NYC, DC, PR and GU	35,852,579	5,725,680	16.0%	7607.2
9/16/21	49 states, NYC, DC, PR and GU [#]	35,077,099	5,518,815	15.7%	7332.3
9/9/21	49 states, NYC, DC, PR and GU	34,198,122	5,292,837	15.5%	7032.1
9/2/21	49 states, NYC, DC, PR and GU	33,357,284	5,049,465	15.1%	6708.8
8/26/21	49 states, NYC, DC, PR and GU ^{# •}	32,417,814	4,797,683	14.8%	6374.2
8/19/21	49 states, NYC, DC, PR and GU	31,506,988	4,593,721	14.6%	6103.2
8/12/21	49 states, NYC, DC, PR and GU [♦]	30,700,985	4,413,547	14.4%	5863.9
8/5/21	49 states, NYC, DC, PR and GU ^{# × ≠}	30,025,995	4,292,120	14.3%	5702.5

* 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

■ Due to the Thanksgiving holiday, most data included for 11/25/21 were posted by States on 11/24/21

+ On 11/25/21, due to available data, DC cumulative child cases through 11/18/21

On 11/11/21, MA added 5,437 child cases; For several weeks in 2021 (8/5, 8/26, 9/16, 10/7, and 10/28), due to available data and calculations required to obtain child cases, there is a downward revision of cumulative child cases for MA

• As of 7/22/21, TX stopped updating demographic case data; As of 8/26/21, TX started updating demographic case data again and added 2,147 child cases; TX cumulative cases through 8/26/21

♦ As of 8/12/21, WV changed definition of child case from 0-19 to 0-20 years

× As of 8/5/21, due to available data and changes made to dashboard, AL cumulative cases through 7/29/21

≠ On 8/5/21, due to available data and changes made to dashboard, definition of LA total cumulative total cases changed

Appendix Table 2A, cont.: Summary of Child Case Data from 4/16/20 – 7/21/22*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases [^]	Percent children of total cases	Cases per 100,000 children
7/29/21	49 states, NYC, DC, PR and GU	29,402,405	4,198,296	14.3%	5577.9
7/22/21	49 states, NYC, DC, PR and GU [#] •	29,023,908	4,126,570	14.2%	5482.6
7/15/21	49 states, NYC, DC, PR and GU [#] ±	28,793,845	4,087,916	14.2%	5431.2
7/8/21	49 states, NYC, DC, PR and GU	28,645,258	4,064,365	14.2%	5399.9
7/1/21	49 states, NYC, DC, PR and GU [#] Δ	28,557,884	4,044,884	14.2%	5374.1
6/24/21	49 states, NYC, DC, PR and GU [#] †	28,486,004	4,032,782	14.2%	5358.0
6/17/21	49 states, NYC, DC, PR and GU	28,402,723	4,024,335	14.2%	5346.8
6/10/21	49 states, NYC, DC, PR and GU [#]	28,338,538	4,008,572	14.1%	5325.8
6/3/21	49 states, NYC, DC, PR and GU [#]	28,262,591	3,994,151	14.1%	5306.7
5/27/21	49 states, NYC, DC, PR and GU	28,167,723	3,977,870	14.1%	5285.0
5/20/21	49 states, NYC, DC, PR and GU [~]	28,025,875	3,943,407	14.1%	5239.2
5/13/21	49 states, NYC, DC, PR and GU	27,825,369	3,903,706	14.0%	5186.5
5/6/21	49 states, NYC, DC, PR and GU [○]	27,621,153	3,854,791	14.0%	5121.5
4/29/21	49 states, NYC, DC, PR and GU [○] ~	27,320,708	3,782,724	13.8%	5025.8
4/22/21	49 states, NYC, DC, PR and GU	27,001,107	3,711,075	13.7%	4930.6
4/15/21	49 states, NYC, DC, PR, and GU	26,617,913	3,631,189	13.6%	4824.4

* 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

[#] For several weeks in 2021 (6/3, 6/10, 6/24, 7/1, 7/15, & 7/22), due to available data and calculations required to obtain child cases, there is a downward revision of cumulative child cases for MA

• As of 7/22/21, TX stopped updating demographic case data; As of 8/26/21, TX started updating demographic case data again and added 2,147 child cases; TX cumulative cases through 8/26/21

± On 7/15/21, IA revised case data, resulting in a downward revision of cumulative child cases

Δ As of 6/30/21, NE COVID-19 dashboard is no longer available; NE cumulative cases through 6/24/21

† On 6/24/21, due to available CO data and calculation required to obtain child total cases, there is a downward revision of cumulative child cases

~ On 4/29/21, and 5/20/21, WY revised case data, resulting in a downward revision of cumulative child cases

○ On 4/29/21, RI revised case data, resulting in a downward revision of cumulative cases; On 5/6/21, due to data revision and lag in reporting, RI experienced 30% increase in child cases (4,906 cases added)

Appendix Table 2A, cont.: Summary of Child Case Data from 4/16/20 – 7/21/22*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases [^]	Percent children of total cases	Cases per 100,000 children
4/8/21	49 states, NYC, DC, PR, and GU	26,188,186	3,542,692	13.5%	4706.8
4/1/21	49 states, NYC, DC, PR, and GU [○]	25,798,537	3,469,500	13.4%	4609.6
3/25/21	49 states, NYC, DC, PR, and GU	25,446,361	3,405,638	13.4%	4524.8
3/18/21	49 states, NYC, DC, PR, and GU	25,111,012	3,341,608	13.3%	4439.7
3/11/21	49 states, NYC, DC, PR, and GU ^{# □}	24,806,402	3,284,531	13.2%	4363.8
3/4/21	49 states, NYC, DC, PR, and GU	24,487,634	3,231,836	13.2%	4293.8
2/25/21	49 states, NYC, DC, PR, and GU	24,134,958	3,168,274	13.1%	4209.4
2/18/21	49 states, NYC, DC, PR, and GU ^{# ~}	23,726,925	3,104,010	13.1%	4124.0
2/11/21	49 states, NYC, DC, PR, and GU	23,284,471	3,033,370	13.0%	4030.2
2/4/21	49 states, NYC, DC, PR, and GU	22,697,315	2,934,292	12.9%	3898.5
1/28/21	49 states, NYC, DC, PR, and GU	21,963,445	2,816,775	12.8%	3742.4
1/21/21	49 states, NYC, DC, PR, and GU	21,036,194	2,676,612	12.7%	3556.2
1/14/21	49 states, NYC, DC, PR, and GU	19,918,714	2,511,132	12.6%	3336.3
1/7/21	49 states, NYC, DC, PR, and GU	18,463,319	2,299,666	12.5%	3055.4
12/31/20	49 states, NYC, DC, PR, and GU	17,137,295	2,128,587	12.4%	2828.1
12/24/20	49 states, NYC, DC, PR, and GU	16,125,324	2,000,681	12.4%	2658.1
12/17/20	49 states, NYC, DC, PR, and GU	14,766,831	1,821,746	12.3%	2420.4
12/10/20	49 states, NYC, DC, PR, and GU	13,462,337	1,639,728	12.2%	2178.6
12/3/20	49 states, NYC, DC, PR, and GU	12,167,620	1,460,905	12.0%	1941.0

* 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

[○] On 4/1/21, RI revised case data, resulting in a downward revision of cumulative cases; On 5/6/21, due to data revision and lag in reporting, RI experienced 30% increase in child cases (4,906 cases added)

[#] On 2/18/21 and 3/11/21, due to available MA data and calculations required to obtain child total cases, there is a downward revision of cumulative child cases

[□] On 3/11/21, due to only PR data available and calculation required to obtain child total cases, there is a downward revision of cumulative child cases

[~] On 2/18/21, WY revised case data, resulting in a downward revision of cumulative child cases

Appendix Table 2A, cont.: Summary of Child Case Data from 4/16/20 – 7/21/22*

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
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

* 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 10/1/20, MO changed definition of child case from 0-19 to 0-17 years, resulting in a downward revision of cumulative child cases

⁻ As of 8/13/20, AL changed definition of child case from 0-24 to 0-17 years, resulting in a downward revision of cumulative child cases

Appendix Table 2A, cont.: Summary of Child Case Data from 4/16/20 – 7/21/22*

Date	Number of locations reporting age	Cumulative total cases (all ages)	Cumulative child cases [^]	Percent children of total cases	Cases per 100,000 children
7/30/20	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

Appendix Table 3A: Child COVID-19 Case Data Available on 7/21/22*



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	53,350	12.1%	442,373	4900.5
Alaska	0-19	196,852	69,610	25.9%	269,068	35361.6
Arizona	0-19	1,838,598	450,879	20.7%	2,179,180	24523.0
Arkansas	0-17	700,155	174,182	19.6%	890,943	24877.6
California	0-17	8,894,641	1,788,403	18.3%	9,752,509	20106.5
Colorado	0-19	1,407,971	306,667	19.5%	1,576,694	21780.8
Connecticut	0-19	735,193	181,794	21.5%	846,026	24727.4
Delaware	0-17	203,572	57,786	19.8%	291,212	28386.0
District of Columbia⁺	0-19	149,337	28,761	21.4%	134,623	19259.1
Florida[•]	0-14	3,512,139	807,286	12.3%	6,567,012	22985.6
Georgia	0-17	2,503,881	340,541	16.2%	2,104,785	13600.5
Guam	0-19	57,727	14,094	26.3%	53,601	24414.9
Hawaii[◊]	0-17	299,868	28,650	19.2%	149,458	9554.2
Idaho	0-17	448,201	66,894	14.1%	474,150	14925.0
Illinois	0-19	3,145,309	775,789	22.1%	3,516,370	24665.0
Indiana	0-19	1,755,070	342,536	19.0%	1,807,442	19516.9
Iowa[▲]	0-17	726,841	143,556	16.0%	897,222	19750.6
Kansas	0-17	700,250	157,104	19.0%	827,301	22435.4
Kentucky	0-19	1,118,934	314,367	21.9%	1,432,660	28095.2
Louisiana	0-17	1,087,630	241,902	17.8%	1,360,862	22241.2
Maine	0-19	281,158	68,386	25.0%	274,015	24323.0
Maryland	0-19	1,489,721	255,856	21.9%	1,166,193	17174.8
Massachusetts[#]	0-19	1,558,231	310,518	17.4%	1,783,187	19927.6
Michigan	0-19	2,407,690	527,768	19.9%	2,652,659	21920.1
Minnesota[□]	0-19	1,445,346	340,379	21.9%	1,552,840	23550.0
Mississippi[▲]	0-17	698,583	150,234	19.0%	792,129	21505.5
Missouri	0-17	1,370,585	182,525	14.7%	1,241,140	13317.3

* 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 8/5/21, due to available data and changes made to dashboard, AL cumulative cases through 7/29/21

⁺ As of 3/10/22, due to data available, DC cumulative child cases through 3/3/22

[•] As of 6/24/21, due to change in available data for FL, calculation required to obtain child cases data for 0-14 years; As of 3/17/2022, available case and death data updated biweekly;

As of 6/9/22, due to available data for FL (case data updated every other week), child and total cases averaged across 2 week period accordingly

[◊] As of 1/20/22, due to data available, HI cumulative child cases and cumulative cases for all ages through 1/13/22

[◆] On 7/21/22, due to available data, IA cumulative child cases and total cases through 6/23/22

[#] As of 9/3/20, MA changed reporting from total child cases to cases added in last two weeks; 7/7/22 totals calculated using MA Dept. of Public Health COVID-19 Dashboard published 7/7/22 (data from 6/19/22-7/2/22) and 6/16/22 version of this report;

Due to available data and calculations required to obtain MA child cases, weekly estimates fluctuate (eg, on 7/7/22, due to data available, cumulative child cases and total cases through 6/30/22)

[□] As of 7/7/22, due to available data, MN cumulative cases and total cases through 6/30/22

[▲] As of 3/17/22, due to data available, MS cumulative cases through 3/10/22

Appendix Table 3B: Child COVID-19 Case Data Available on 7/21/22*



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	53,456	18.3%	292,026	21011.3
Nebraska[■]	0-19	760,272	95,041	19.7%	481,424	12501.0
Nevada[≡]	0-19	688,997	119,994	16.5%	727,234	17415.7
New Hampshire	0-19	291,038	86,511	25.7%	336,189	29725.0
New Jersey	0-17	1,938,578	381,518	17.5%	2,181,291	19680.3
New Mexico	0-19	531,712	131,239	22.5%	582,061	24682.3
North Carolina	0-17	2,300,715	524,249	17.8%	2,949,198	22786.4
North Dakota	0-19	200,777	51,793	20.4%	253,677	25796.3
NYC	0-17	1,726,900	363,199	16.0%	2,273,741	21031.8
Ohio	0-19	2,886,873	529,210	18.1%	2,918,366	18331.6
Oklahoma	0-17	952,238	167,368	15.2%	1,104,118	17576.3
Oregon	0-19	965,480	170,527	20.3%	839,295	17662.4
Pennsylvania	0-19	2,801,187	574,217	18.8%	3,058,316	20499.1
Puerto Rico	0-19	594,011	133,524	16.1%	827,224	22478.4
Rhode Island	0-18	220,525	86,295	22.3%	387,364	39131.6
South Carolina[«]	0-20	1,314,988	361,197	24.5%	1,474,272	27467.7
South Dakota	0-19	240,567	46,166	18.6%	248,788	19190.5
Tennessee	0-20	1,762,659	490,617	22.6%	2,168,080	27833.9
Texas[^]	0-19	8,210,585	7,754 (1,250,637)	7.8% (21.2%)	99,989 (5,899,980)	-- (15232.0)
Utah	0-14	774,764	136,615	13.6%	1,004,426	17633.1
Vermont	0-19	134,415	35,650	25.8%	138,287	26522.3
Virginia	0-19	2,087,426	399,678	20.7%	1,929,718	19146.9
Washington	0-17	1,840,306	355,385	20.7%	1,713,842	19311.2
West Virginia	0-20	402,473	122,320	22.3%	547,785	30392.2
Wisconsin	0-19	1,422,095	377,795	21.5%	1,759,023	26566.1
Wyoming	0-18	140,694	22,363	16.9%	132,533	15894.8

* 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 5/19/22, due to available data, NE cumulative child cases and total cases through 5/12/22

≡ On 7/21/22, due to available data, NV cumulative child cases and total cases through 7/14/22

« As of 5/5/22, due to available data, SC cumulative child cases and total cases through 4/28/22

[^] Texas previously reported age for only 2% of total confirmed cases and these cumulative cases through 8/26/21 are included (7,754); 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 through 8/26/21; As of 1/14/22, TX released new data that is NOT included in cumulative case counts or figures but reported above in parentheses (eg, 1,250,637 cumulative child cases as of 7/15/22)

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 are only a small portion (<5%) of child COVID-19 cases included for Texas?*

A: Texas Department of State Health Services reports overall confirmed cases but only a small fraction are included in the age distribution. As of 1/14/22 (last updated 7/15/22), TX released new data that is NOT included in cumulative case counts or figures but located [here](#) and in Appendix 3B of this report. Other sources for child COVID-19 cases can be found here: [Texas Public Schools COVID-19 Data](#)

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 in 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: *Why were hospitalization and mortality data removed from this report?*

A: As of 6/16/22, only a portion of states were continuing to report cumulative hospitalization and mortality data. The CDC now provides information that includes all of the US: For information regarding US child hospitalizations, visit <https://covid.cdc.gov/covid-data-tracker/#new-hospital-admissions>. For information pertaining to US child mortality, visit <https://covid.cdc.gov/covid-data-tracker/#demographics>.

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 on a weekly basis at aap.org/CovidStateData.

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

Senior Director, 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

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