



Top 10 States with Cumulative Child Cases

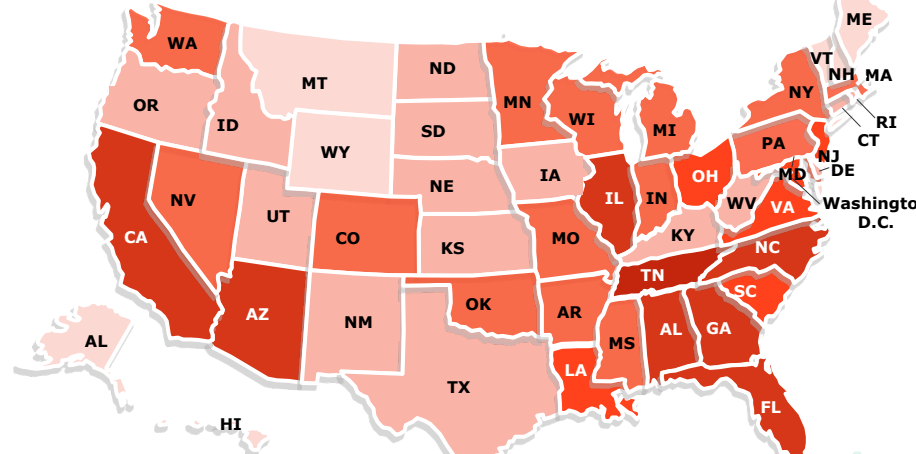
California	Florida*	Alabama*	Arizona	Tennessee	Illinois	Georgia	N. Carolina	S. Carolina	Virginia
61,538	32,676	24,000	23,662	22,592	21,251	20,055	16,229	15,674	12,390

- **443,137 children, 1 in a group of 175**, have tested positive for COVID-19. That is nearly equal to the **population of Miami**.

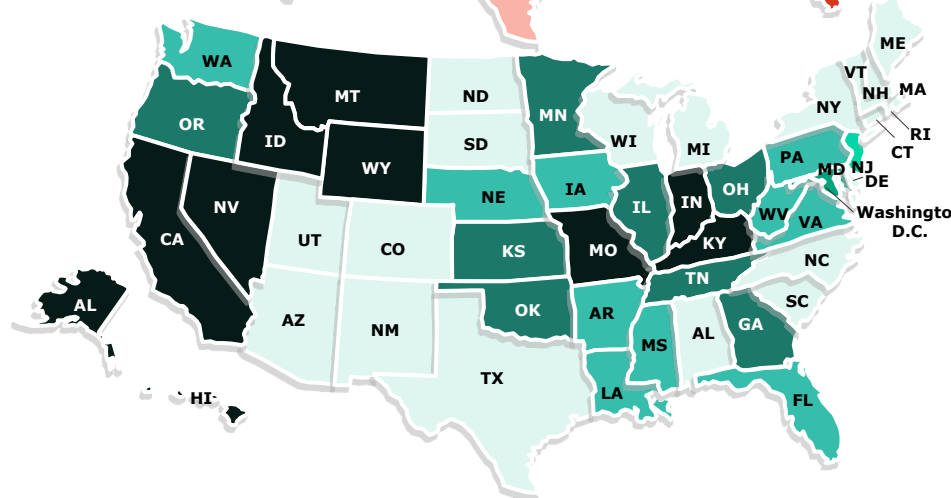
- On average, almost **every 5th child** who gets tested for COVID-19 is **positive**.

- **1 in every 1,635** COVID-19 deaths is a child. **104 children have died** in the United States from COVID-19.

- In the **last 10 days**, 63,000 children were newly confirmed positive for COVID-19, a **17% increase in cases**.



Cumulative numbers of reported child COVID-19 cases as of August 16



1 in every 12 COVID-19 cases in the US is a child.**

Percent increase in child COVID-19 cases in the last 10 days



* There is wide variation in how states are reporting age-related data. Some states, such as Florida, report case counts for persons age 0-14 separately from age 15-24 years. Texas has reported age demographics for about 10% of its total COVID cases. See ([link](#)) for a detailed description of how we quantified child cases.

** A child is considered anyone below the age of 18

CHILDREN & TRANSMISSION

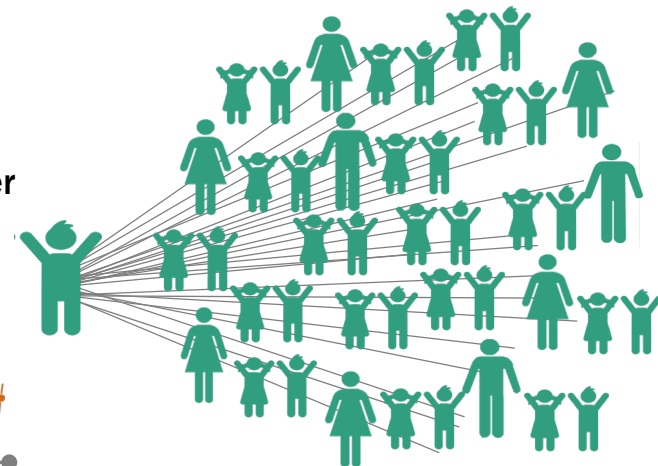
Science on child transmission and severity is evolving.

Before this summer, most transmissions to children came through adult **household close contacts**.

As children have been reintroduced to social situations throughout the summer, outbreaks have occurred in **superspreading** events.

Superspreading events are responsible for up to 80% of infections.

A Superspreader source infects 30+ people.



A sleep-away camp in the state of Georgia was the site of a recent superspreader event.



June 21st – 27th
597 campers and staff attended camp with an unknown number of positive cases

One Week Later
3 out of 4 people test positive - of 344 children and staffers tested, 260 tested positive.

Without proper precautions, schools are at risk of becoming sites for superspreading events similar to this camp in Georgia.

In Israel, the number of **new cases** has **risen exponentially** after schools opened.



- Students and staff not required to wear masks when schools opened in May
- Improper ventilation techniques within the classroom on hot school days
- Large gatherings encouraged by new sworn-in Government

May 5th ← → July 15th
43 new cases **1828** new cases

In Germany, the number of **new cases** **dropped** after schools opened.



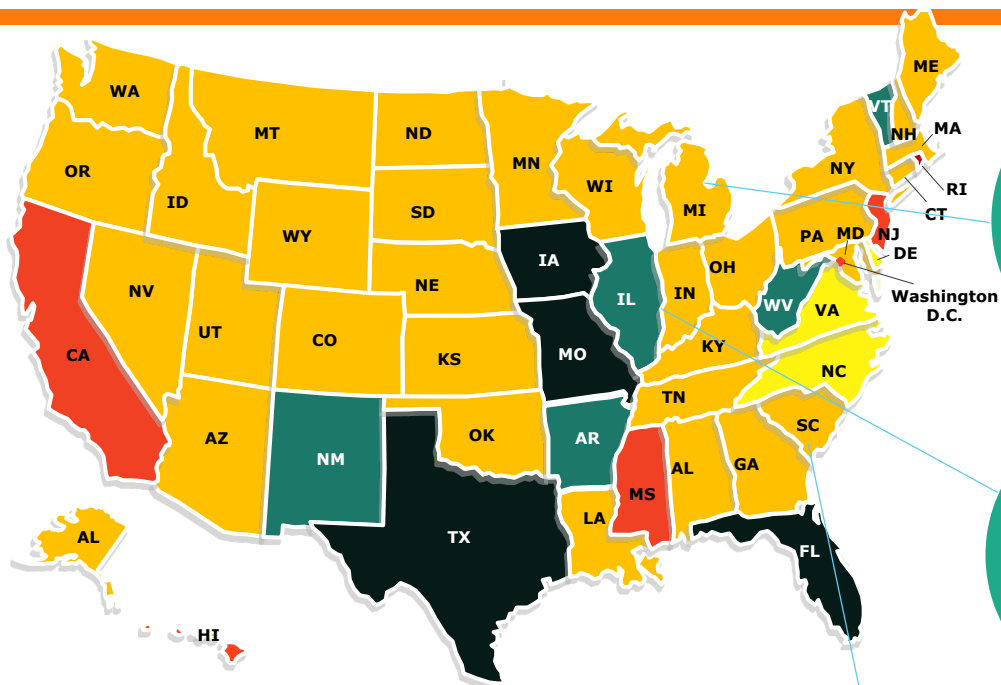
- Social distancing practices implemented in classroom
- Virtual learning and shortened school weeks
- COVID-19 testing among students every 4 days

May 5th ← → July 15th
855 new cases **373** new cases

IN THE SPOTLIGHT: SCHOOL REOPENING IN THE US

August 10 – 16, 2020

13,000+ public school districts have created (or are still in the process of creating) reopening plans with varying degrees of guidance from their public health officials and school boards. Most states lack systems for tracking of these district plans.



- State-ordered in-person instruction (part or full-time)
- State-ordered closure in effect
- State-ordered regional closure in effect
- Varies by district/dependent on local health authorities
- Only hybrid or remote instruction allowed

Plans are so variable, that many parents are looking to neighboring schools or districts with more acceptable reopening models. One Michigan journalist even dubbed the anxiety parents are feeling as “[plan envy](#)”.

102,259 Total Cases
7,597 child cases
Testing Positivity Rate= 2.5%

Michigan

[Six-phase approach](#) to re-opening. Districts can offer online-only, in-person, or blended instruction. Must re-visit plans monthly. Face coverings required indoors for students in grades 6-12. All school activities suspended in Phases 1-3.

207,412 Total Cases
21,251 child cases
Testing Positivity Rate= 4.1%

Illinois

[Re-opening guidance](#) based on regional attainment of public health goals. Schools encouraged to provide completely in-person instruction for all students. Face coverings required for students over age 2. Groups over 50 people prohibited from gathering.

106,497 Total Cases
15,674 child cases
Testing Positivity Rate= 7.4%

South Carolina

[Re-opening plan](#) offers three models of instruction based on public health situation. No state level requirement on face coverings. Buses recommended not be filled beyond 50 percent capacity, where practical. Districts must produce their own plan should students/staff test positive for COVID-19.