

Network to Advance State Attendance Policy and Practice







Introductions

In the Chat, please share:

- Your name
- Organization
- State





A. Presentation and Discussion - Covid-19 and Education: An Emerging K-Shaped Recovery.

• Presenter: Emma Dorn, Global Education Practice Manager, McKinsey and Company

B. Planning for Summer - National Summer Learning Association

• How are states anticipating they will use summer to support connection and recovery? What policies, practices or planning resources are in place or ready for development?

C. Comprehensive Attendance Data Collection and Reporting

- AW 50 state scan
- Accountability Implications

D. AW latest resources

- Winter toolkit
- Attendance Awareness Campaign



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COVID-19 Unfinished learning – December 2021 Report

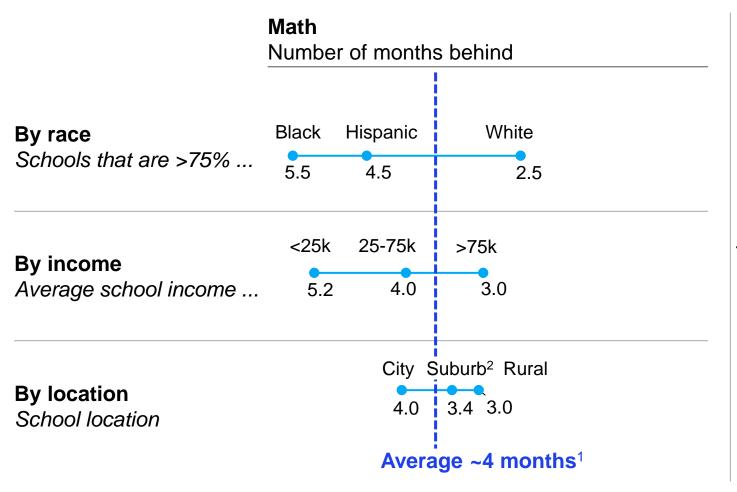
An emerging K-shaped recovery

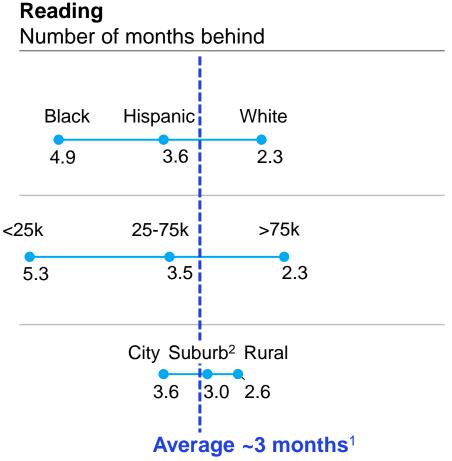
December 2021

What is the impact of the pandemic on student learning to date?

By the start of the 2021-2022 school year, students were on average 4 months behind in math and 3 months behind in reading

Cumulative months of unfinished learning due to the pandemic, grades 1 though 6

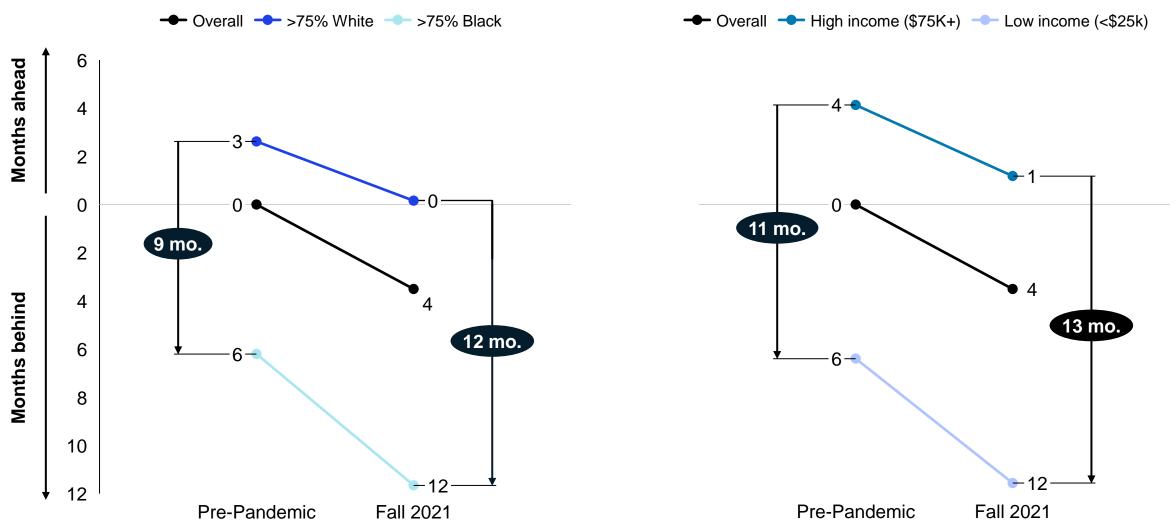




^{1.} Values have been rounded to the nearest whole number. Averages are 3.5 months for math and 3.1 months for reading; 2. Town or suburb

The gap between students in majority-Black schools and students in majority-white schools is now 3 months wider than it was prior to the pandemic

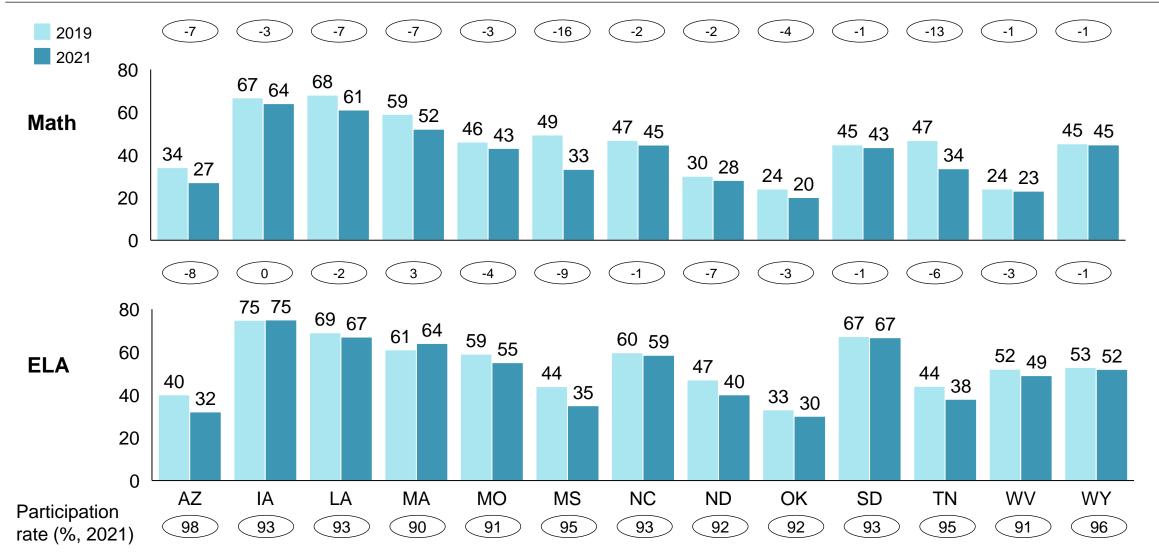
Cumulative months of math unfinished learning, pre-pandemic and due to the pandemic, grades 1 though 61



^{1.} Values, including deltas between lines, have been rounded to the nearest whole number (ethnicity gap widened by 3.0 months, income gap by 2.2 months)

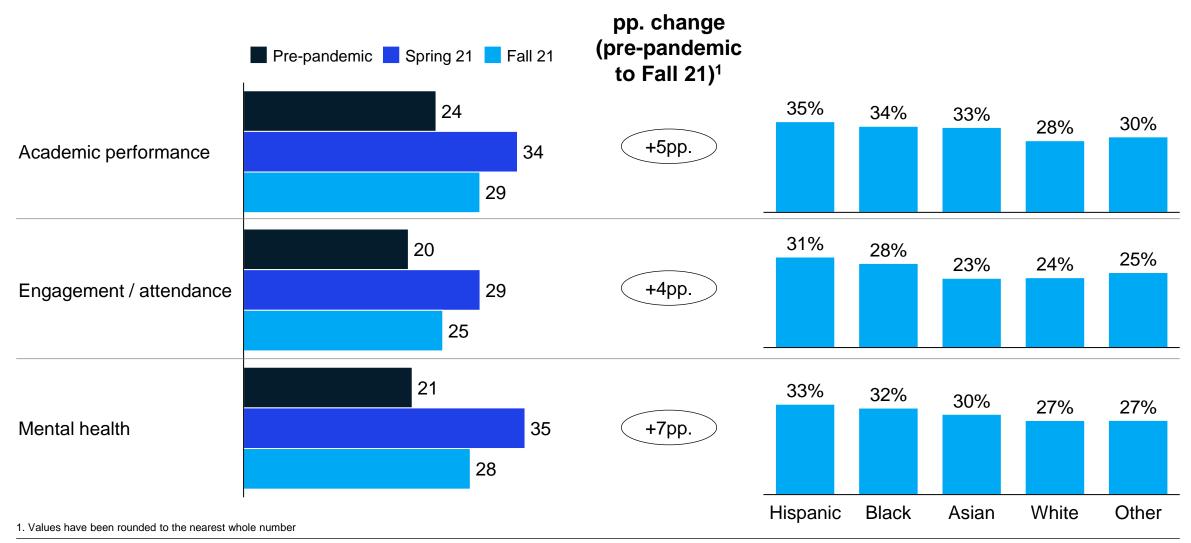
Unfinished learning is also present among high schoolers, as evidenced by lower proficiency rates in 2021 v. 2019 across most States

2019 and 2021 average Math & ELA proficiency rates by State, for those with >90% participation in 2021



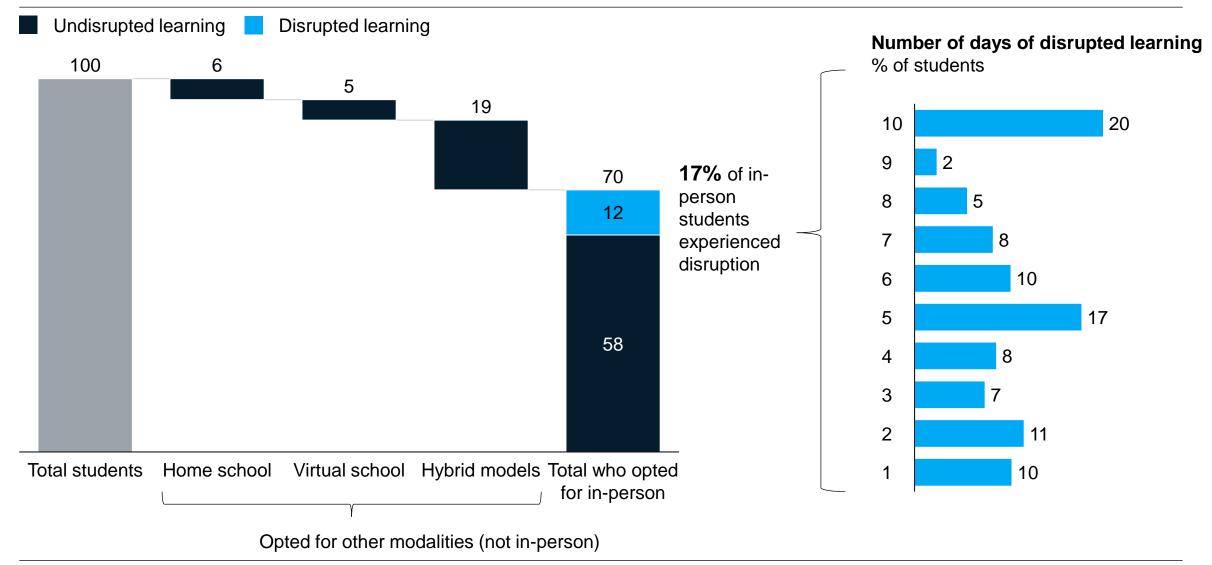
Parental concerns are still above pre-pandemic levels; parents of Black and Hispanic students are most concerned

% of parents with children in grades K-12 indicating they are very or extremely concerned about their child's...



How are ongoing disruptions impacting students?

17% of students who opted for fully in-person learning were subjected to a disruption, with over half disrupted for 5 days or more



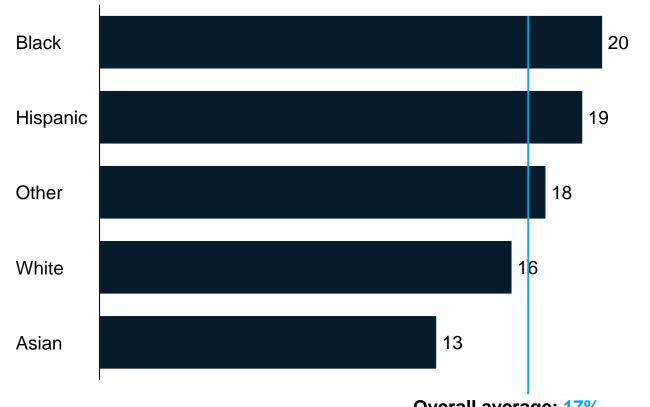
Parents of Black and Hispanic students were most likely to report disruptions to learning

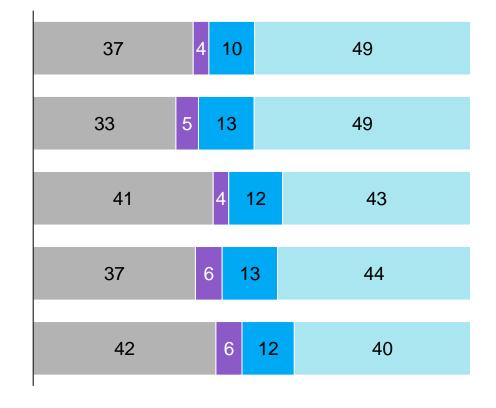
Disruptions to learning (non in-person days for those who opted for fully in-person learning) and reasons why

Of those who indicated preference for in-person instruction, % of parents who reported their child had at least 1 day of disrupted learning (i.e., not in-person)



Reason for learning disruption, % of total

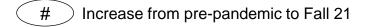


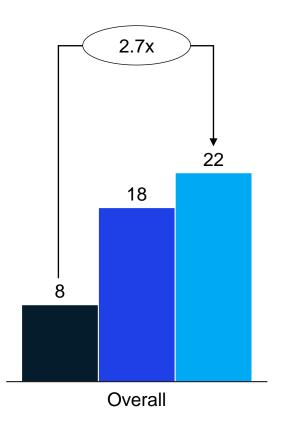


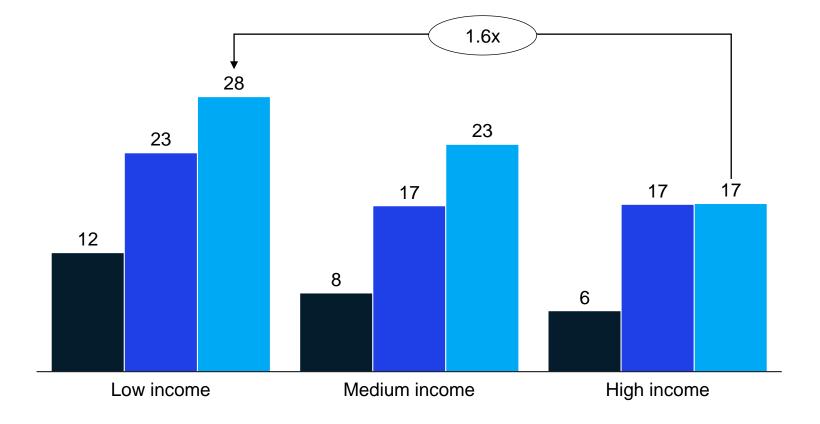
Overall average: 17%

Parent reports of chronic absenteeism have increased by 2.7x since before the pandemic

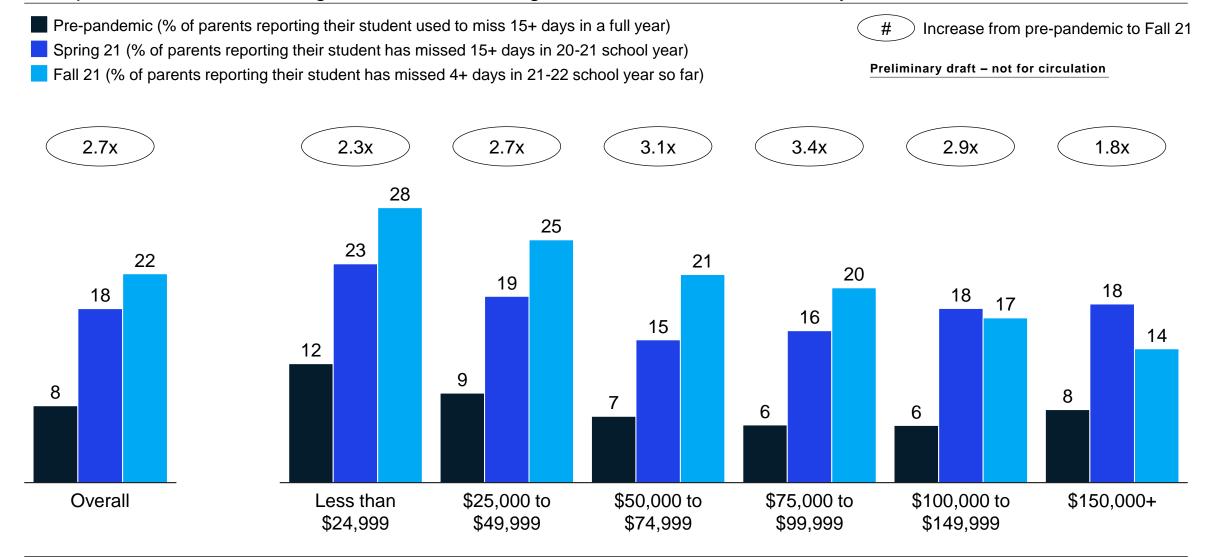
- Pre-pandemic (% of parents reporting their student used to miss 15+ days in a full year)
- Spring 21 (% of parents reporting their student has missed 15+ days in 20-21 school year)
- Fall 21 (% of parents reporting their student has missed 4+ days in 21-22 school year so far)





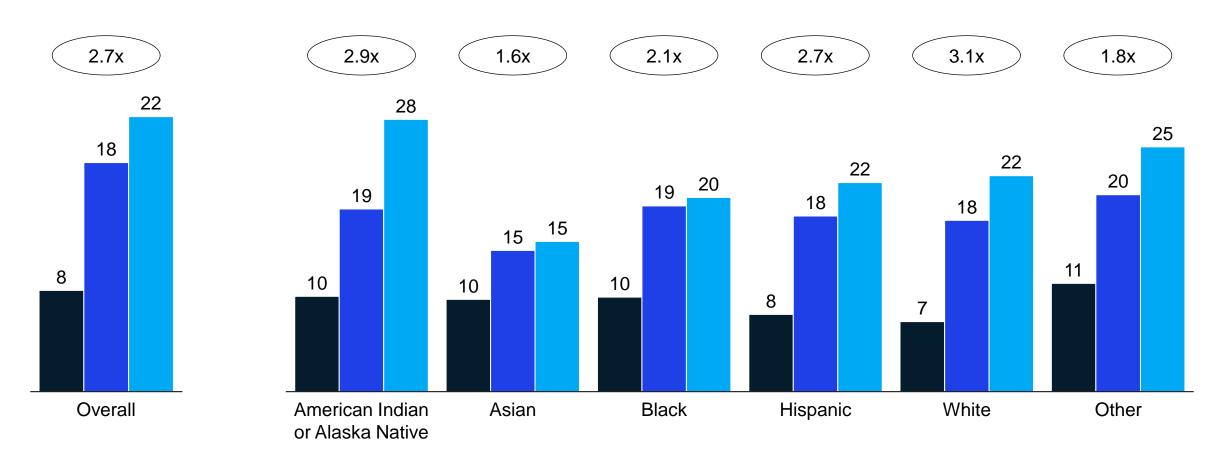


Attendance by income



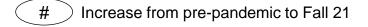
Attendance by ethnicity

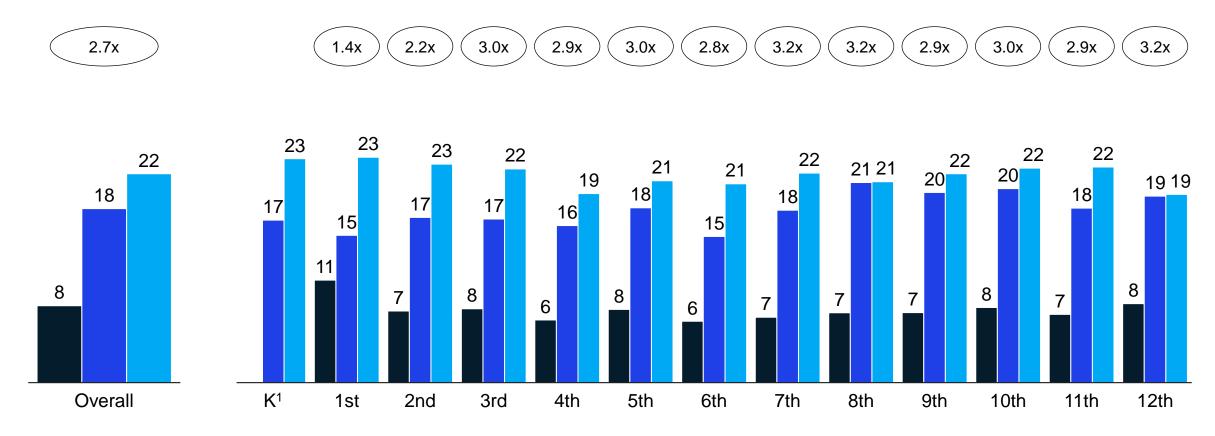
- Pre-pandemic (% of parents reporting their student used to miss 15+ days in a full year)
- Increase from pre-pandemic to Fall 21 Spring 21 (% of parents reporting their student has missed 15+ days in 20-21 school year)
- Fall 21 (% of parents reporting their student has missed 4+ days in 21-22 school year so far)



Attendance by grade

- Pre-pandemic (% of parents reporting their student used to miss 15+ days in a full year)
- Spring 21 (% of parents reporting their student has missed 15+ days in 20-21 school year)
- Fall 21 (% of parents reporting their student has missed 4+ days in 21-22 school year so far)

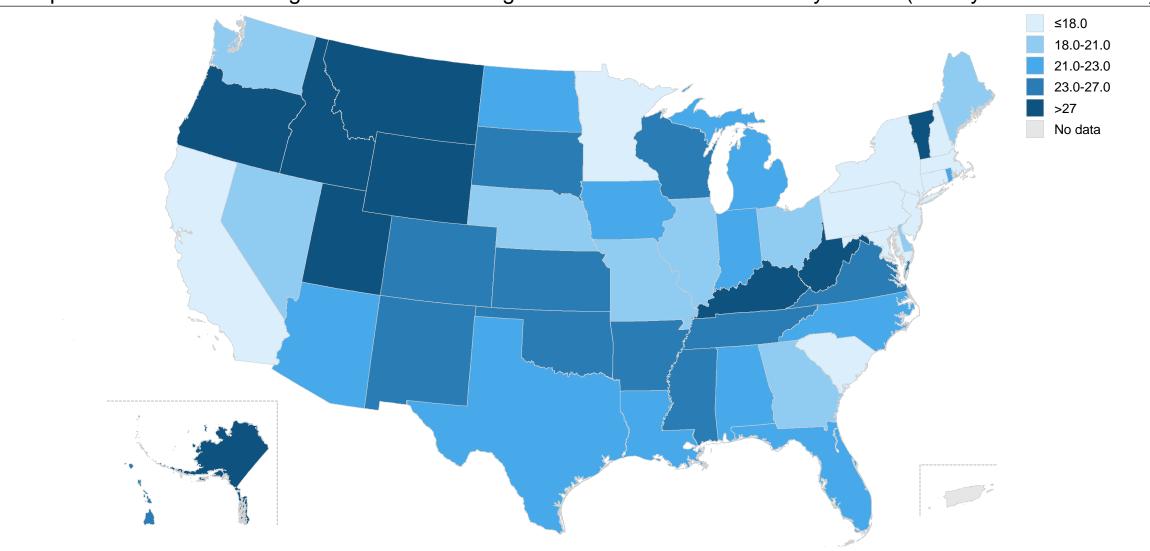




^{1.} Pre-pandemic attendance for Kindergarten is omitted (increased responses of "My child did not attend school at all" may be attributable to lack of pre-K, not chronic absenteeism)

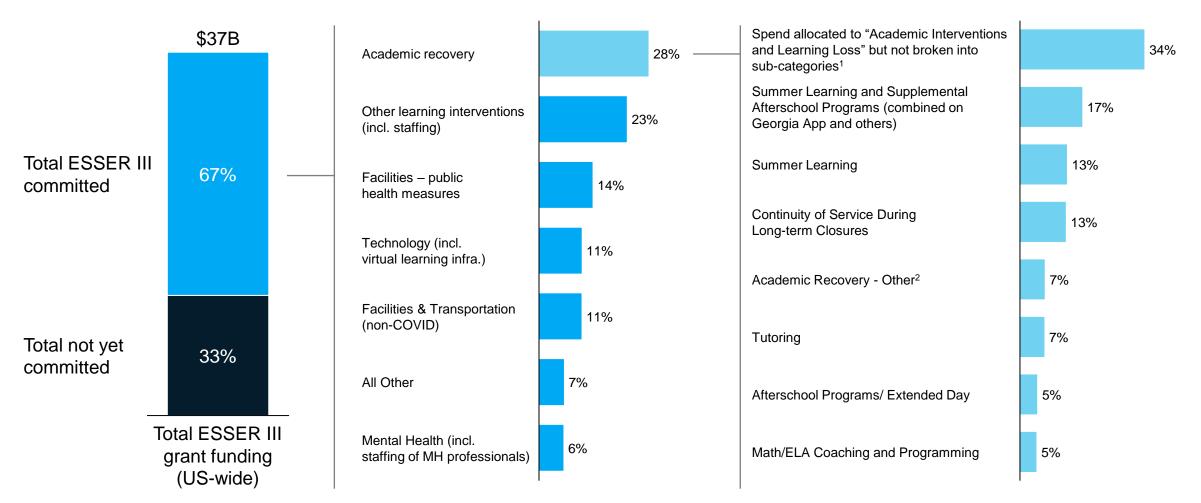
Fall 2021 attendance by State

% of parents with children in grades K-12 indicating their child could be chronically absent (4+ days missed to-date)



What efforts are underway to support student recovery?

About 30% of already committed ESSER III funding is going towards Academic Recovery programs



^{1.} Jurisdictions have committed funds to the overall category "Academic Interventions and Learning Loss: Minimum 20%" but not detailed how that spend will be broken down further

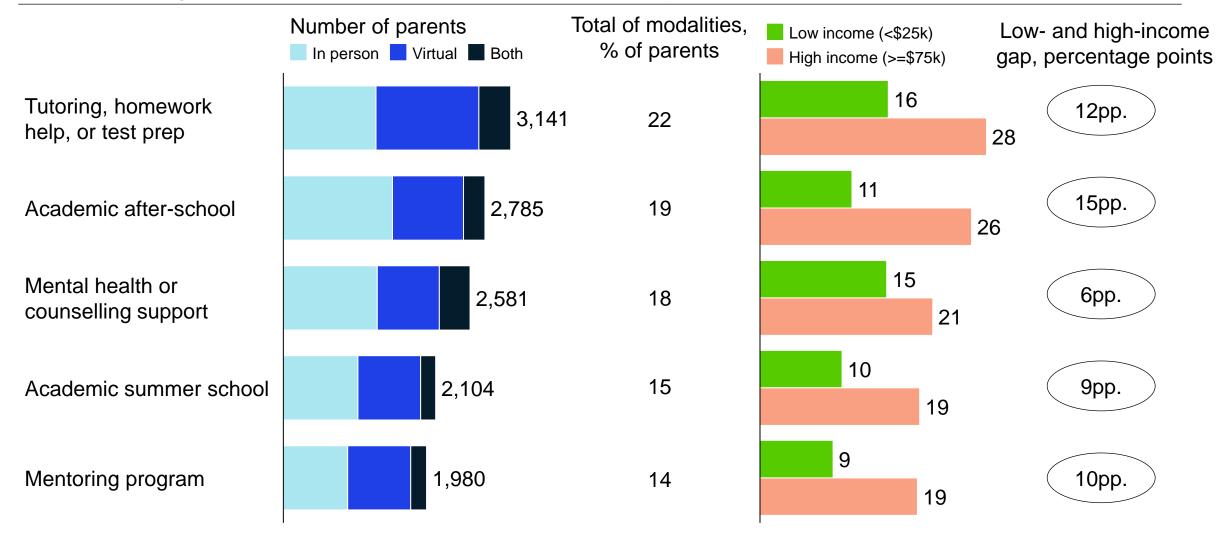
Source: Burbio (data as of 11/12/2021)

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^{2.} Includes Academic Advising, Credit Recovery, Evidence-based Curriculum and Practices that Maximize Students' Social, Emoional and Academic Benefits, Extended School Year/ Weekend Learning, Interventionists, Reading, pre-k to 3rd grade, and Student Attendance/ Enrollment/Re-engaging Disconnected Youth

High income students are more likely to have received support to recover from the impact of the pandemic

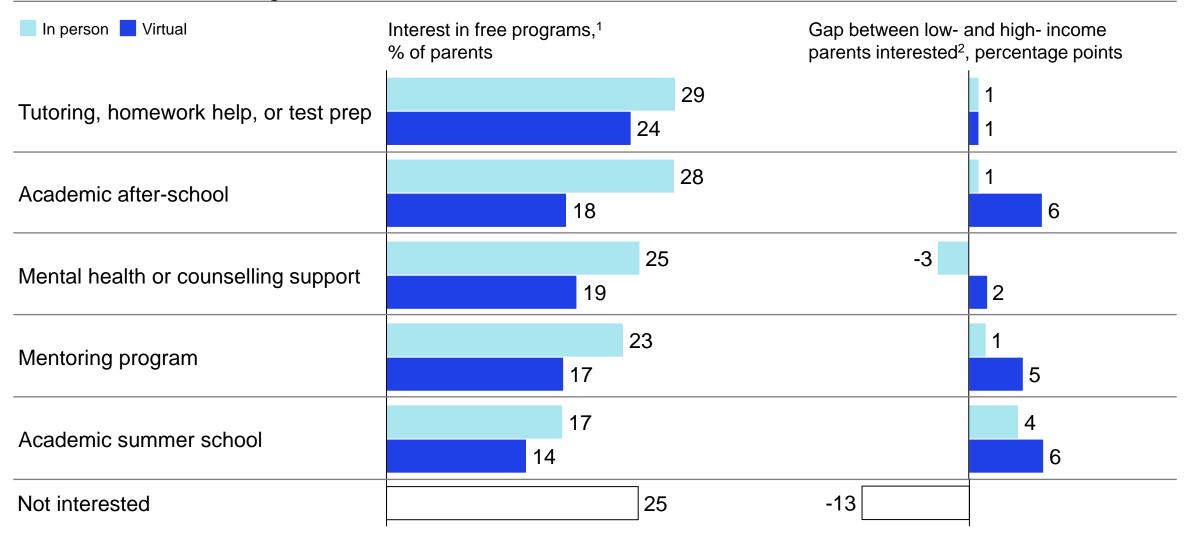
Parents indicating participation¹ since the end of the 2020-21 school year



^{1.} Multi-select: parents may choose more than one option (thus totals will not equal 100%)

Parents are consistently more interested in free in-person programs compared to their virtual counterparts

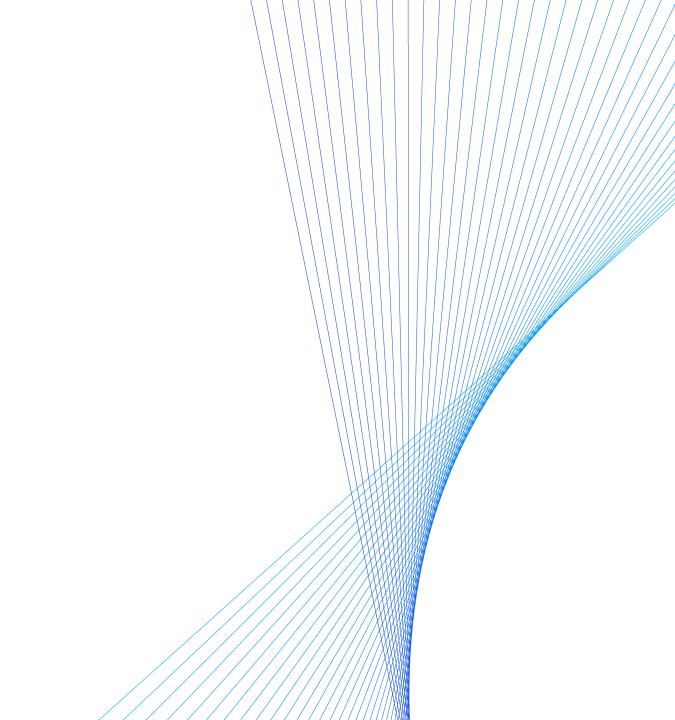
Parents with children in grades K-12



^{1.} Multi-select: parents may choose more than one option (thus totals will not equal 100%);

^{2.} Low income defined as <\$25k and high income defined as >=\$75k

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Supporting Students, Families and Schools this Summer

@SummerLearning







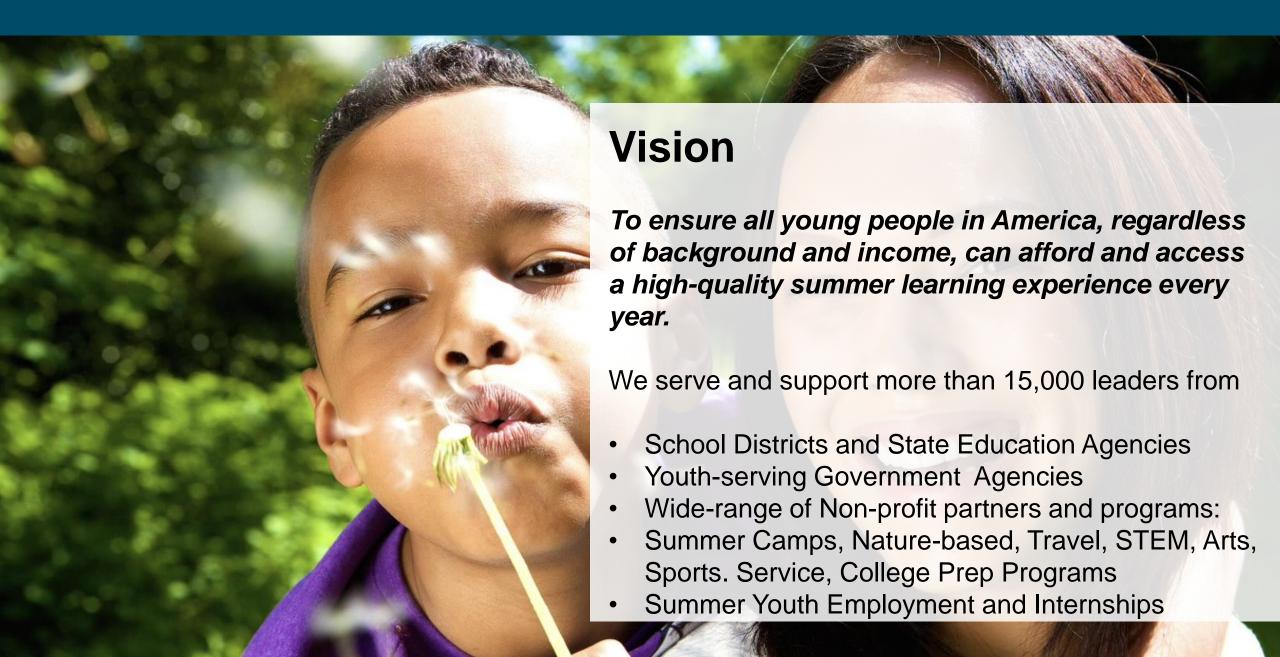
When We Talk About Summer learning...



We are really talking about:

- Promoting Equity
- Creating Opportunity
- Building Community

Our Vision and Reach

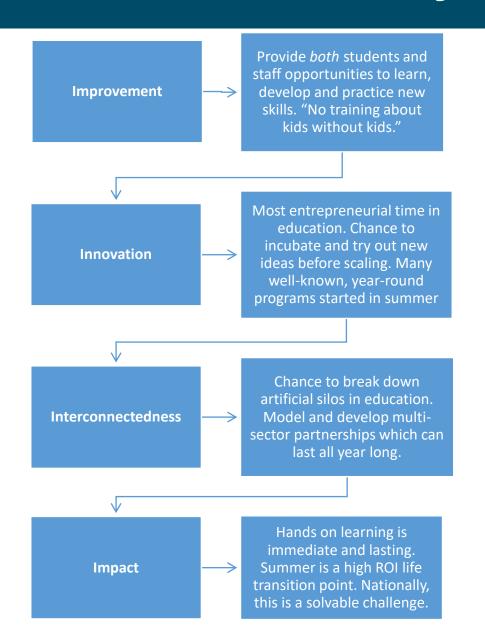


Summer School vs. Summer Learning

Summer School	Summer Learning
Remedial Education	New and Accelerated Learning
 Punitive and Boring 	 Exciting, Engaging, Experiential
• School-based	Multitude of Settings
"Academic-Only" Focus	Combines Academics, Health, Enrichment, SEL
 Mandatory Only for Some Students 	Voluntary and Open to All
Adults Decide All	Student Voice, Choice, and Leadership
Feels No Different than School	Unique and Special Experience & Culture



Start with "The Why?" NSLA's 4 I's of Summer





NSLA Priorities: Our 5 P's

Program Quality	Partnerships	Policy	Public Awareness	People
Staff Trainings and Consulting	Professional Summer Learning Communities	Federal Advocacy and Hill Days	Clear Channel and I Heart Radio PSA Campaign	Summer Innovation Fellowship
New Research	School-Camp Partnership Project	State CCSSO project	New York Life National Awards	National Youth Leadership Institute
Monthly Webinars	Coalitions and co- sponsored projects	Community Landscape reports	New DiscoverSummer.or g website	National Summer Learning Week
New Resources and Publications	National Conferences	Congressional Summer Internship Program	Newsletters and PR efforts	Board Development

COVID-19:
Hard for Everyone,
Worse for Some



COVID-19's Devastating Impact on Learning Loss

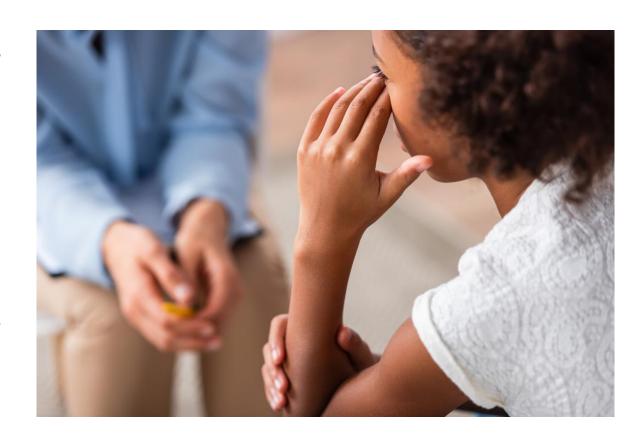
- Children fell far behind in school during the first year of the pandemic and have not caught up
- Math and reading levels were all lower than normal
- Shortfalls were largest for Black and Hispanic students and students in schools with high poverty rates

Source: **NWEA**



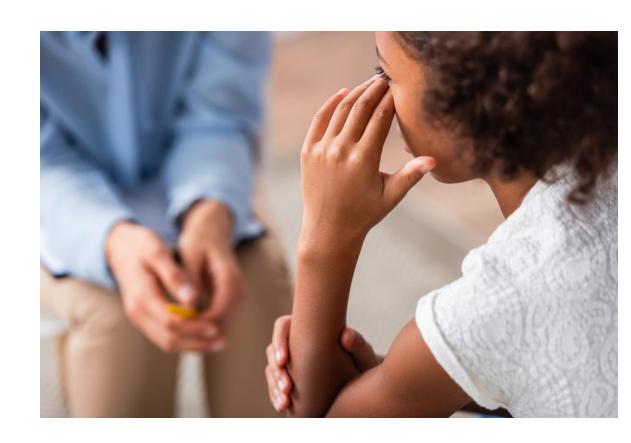
COVID-19's Impact on Mental Health

- American Academy of Pediatrics recently declared a national sate of emergency in children's mental health
- Dramatic increases in ER visits for all mental health emergencies
- According to the CDC, suspected suicide attempts by 12-17 year old girls rose by 51% from early 2019-to early 2021



COVID-19's Impact on Safety, Wellness, and Behavior

- School shootings have risen and the Washington Post counted 42 incidents last year, the most on record and up from 27 in 2019
- Schools across the country reporting an uptick in disruptive behaviors.
- Many schools have not returned to normal, <u>leading to more anguish and</u> <u>isolation and disruption</u>.
- Omicron just did it again.



We've Been Here Before, a Century Ago

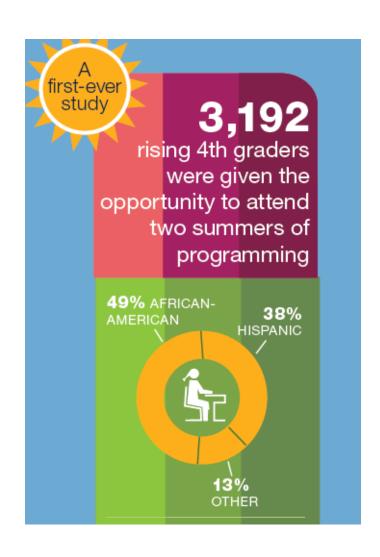
Societal Changes and Challenges	1900-1920
Immigration	15 million+ people moved to US
• Urbanization	Many settled in cities
Industrialization	Rise of Automation, Factories
1918 Spanish Flu Pandemic	675,000 American Deaths
World War I (1914-1918)	• 117,000 US Deaths

We've Been Here Before, a Century Ago

Doubled Down on Community	National Organization (Year Founded)
• 4-H (1901)	American Camp Association (1910)
 Goodwill Industries (1902) 	• Boy Scouts (1910)
Big Brothers (1903)	Girl Scouts (1912)
• Rotary (1905)	 Community Chest renamed United Way (1913)
Boys Clubs of America (1906)	 Kiwanis (1915)
• YWCA (1906)	American Legion (1919)
• NAACP (1909)	League of Women Voters (1920)



We Know What Works: High-Quality Programs





Elements of SuccessRAND Research Study

Meet ESSA Tier 1 standards

5 week minimum

School-based

Academics + enrichment + SEL

43 Summer Programs Meet ESSA Standards

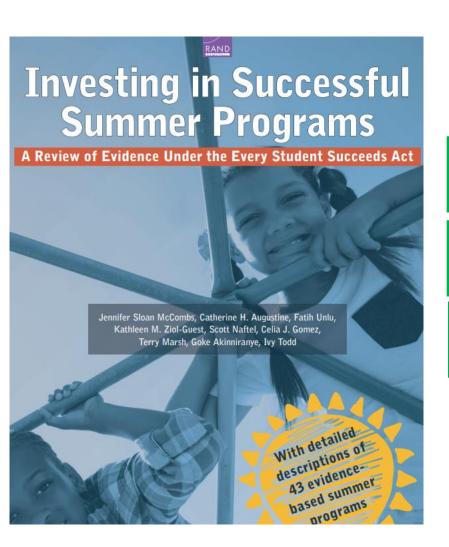
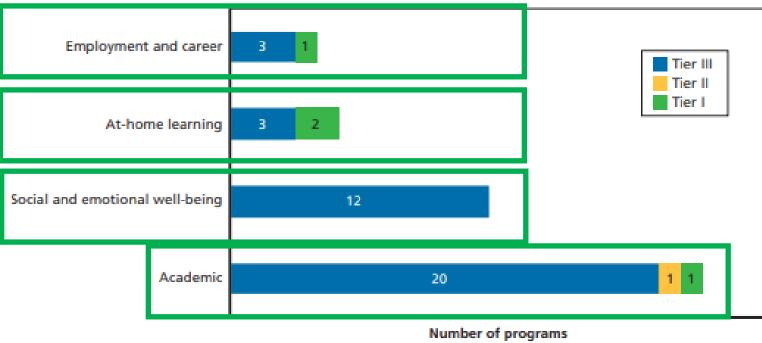


Figure 3.1
Number of Summer Programs with ESSA Tier I–III Evidence, by Program Type



Summer Learning System-Building

NSLA's *Community Indicators of Effective Summer Learning Systems* identifies 6 key domains for summer system building:

- 1. Shared Vision and Citywide Coordination
- Engaged Leadership
- 3. Data Management System
- 4. Continuous Quality Improvement
- 5. Sustainable Resources
- 6. Marketing and Communications



The New Vision for Summer School



THE new VISION

FOR SUMMER SCHOOL NETWORK

- **5**Core Principles
- Increase and enhance the scope of traditional summer schools
- Target participation by students who would benefit the most
- 3. Strengthen systems-level supports through community-wide partnerships and coordination
- 4. Provide innovative professional development for staff
- Embed summer learning into the district's schoolyear operations



Federal Funding: When Preparation Meets Opportunity

Key Highlights

Out of \$1.9 trillion 2021 American Rescue Plan (ARP), \$121 billion for K-12 Education of which \$30 billion available for summer learning and afterschool programs helping with recovery

- \$8.45 billion available from SEAs
 - 5% at SEA level for learning recovery = \$6.01 billion
 - 1% for summer enrichment partnerships = \$1.22 billion
 - 1% for afterschool partnerships= \$1.22 billion
- \$22 Billion to LEAs for Learning Recovery
- \$1 billion for AmeriCorps
- Can be spent through 2023
- Guidance and support being provided
- OST Field ready to step in and help

On the Horizon: What is Next for Our Field?

Know and Grow Your Student Numbers

- How many students need programs? How many don't have them? Set a goal for how many more you can serve?
- Identify a plan to communicate and recruit them. If they're not coming. Who else can help you?
- Coordinate and collect data with others who might already be serving them

Move from Rigid to Reimagined Programs

- Move away from false binary choices (i.e academics vs SEL, Enrichment, Health)
- Expand program models and sense of what's possible to offer
- Focus on Quantity and Quality of Programs and Complimentary Partnerships

Move from Competitive to Collaborative

- Minimize zero-sum, scarcity mindset
- Break down artificial silos and focus on systematic coordination
- Reach out. Make the first move. Time to be hyper-creative and hyper local.

Move From Five Year Plans to Fierce Urgency of Now

- Federal ARP Funding has a time limit
- Students and immediate crisis can't wait for long term strategies
- Ask how many more students can we serve? How can our programs expand?

NSLA Signature Events, Services and Cohorts



Join an NSLA <u>Professional Summer</u> <u>Learning Community</u>

Tap NSLA's <u>Training and Support</u>
Attend a weekly <u>"Voices of Summer"</u> Webinar Series

<u>Summer Planning Bootcamp March 30-31, 2022</u>



Summer Learning Week

July 11-15, 2022

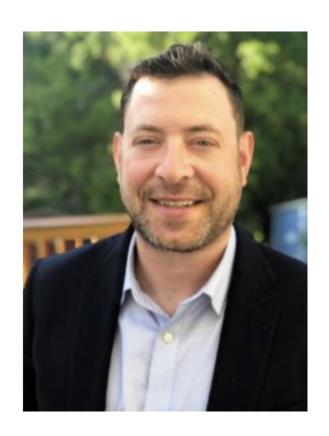


Summer Changes Everything National Conference

October 24-26, 2022



Thank you and Open Discussion!



Aaron Dworkin
Chief Executive Officer
National Summer Learning Association

Adworkin@summerlearning.org



Comprehensive Attendance Data Collection and Reporting





Office of Elementary and Secondary Education FAQ: Impact of COVID-19 on 2021-2022 Accountability Systems

May an SEA that uses chronic absenteeism as an SQSS indicator modify its definition of chronic absenteeism? Yes, an SEA has the discretion to revise its definition and/or its methodology for calculating an indicator based on chronic absenteeism for one year through the COVID-19 State Plan Addendum. An SEA may want to revise its definition of attendance during the COVID-19 pandemic to differentiate between a student who is absent and receives no instruction versus a student who is quarantined but participating in instructional activities. For EDFacts purposes, if a student is quarantined and still participating in instruction for at least 50 percent of the school day, the student would not be counted as absent. An SEA may elect to modify its definition of attendance for an SQSS measure of chronic absenteeism so that the SQSS indicator best reflects the State's context.

What additional information might an SEA include on its State report card?

An SEA may include on its State report card any additional information it believes will best inform parents and families, students, and other members of the public about the progress of each elementary and secondary school. For example, as part of the waiver that SEAs received regarding the accountability, school identification, and related reporting requirements for the 2020-2021 school year, the SEA assured that it would make publicly available the following data elements, which could be included on State report cards:

• Chronic absenteeism data, either as defined in the State's School Quality or Student Success indicator



https://oese.ed.gov/files/2021/12/DRAFT-Accountability-FAQ-12.15.pdf

Attendance Works 2022 Survey of State Attendance Policy, Practice and Data

Preliminary Results

Participating States as of February 8, 2022

California Michigan

Colorado Missouri

Connecticut Nebraska

Delaware New Jersey

District of Columbia New Mexico

Hawaii New York

Illinois North Dakota

Indiana Ohio

lowa Oregon

Kentucky South Carolina

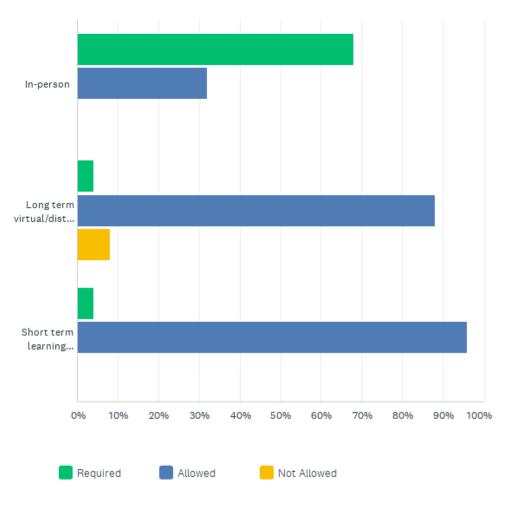
Maine South Dakota

Maryland Wyoming

Massachusetts



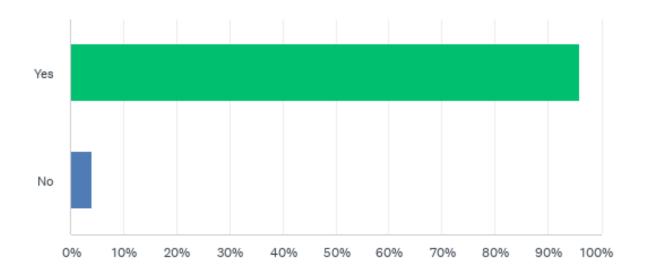
Q5 What learning modes does your state currently require districts to offer?





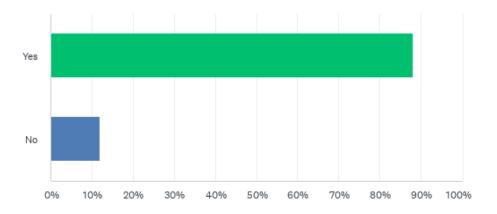
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Q7 Does your state require taking daily attendance for in-person learning?

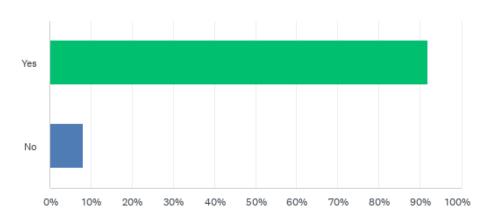




Q8 Does your state require taking daily attendance for long term virtual or distance learning?



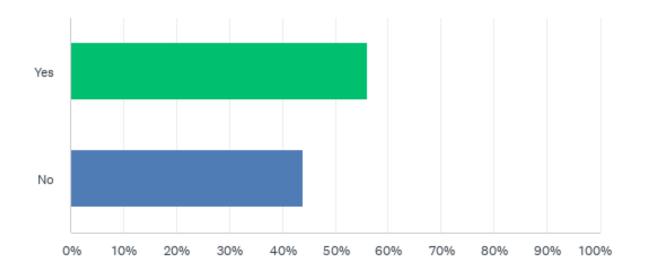
Q9 Does your state require taking daily attendance for short term virtual or distance learning during quarantine?





N=25

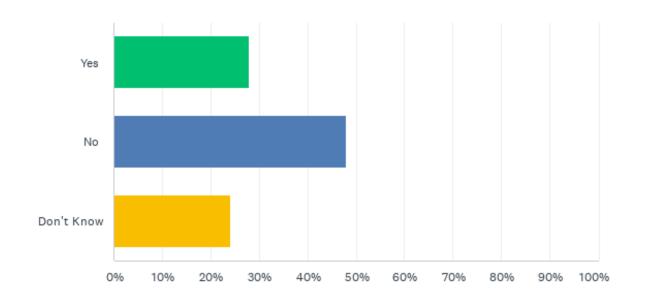
Q10 Does your state require districts to submit attendance coded by learning mode?







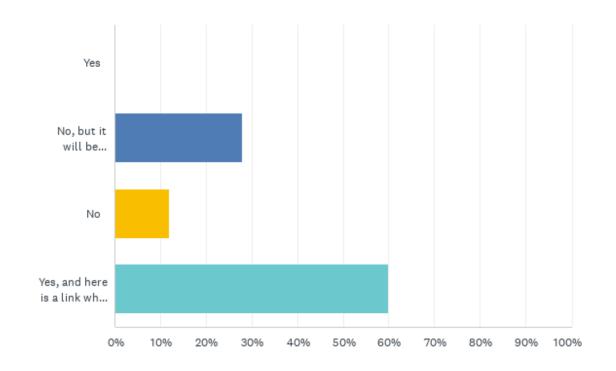
Q17 Is your state collecting data from districts about the number of absences due to Covid-19 quarantine or exposure?





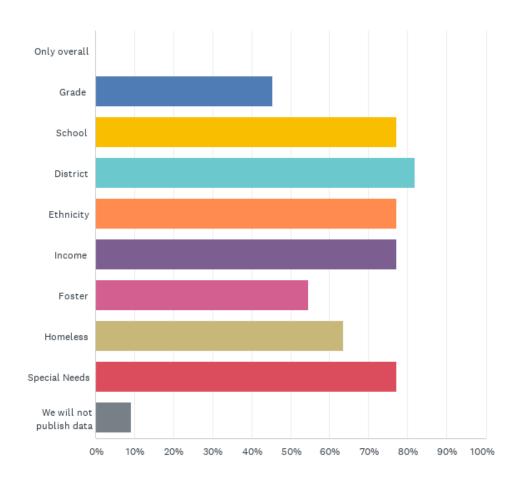
N=25

Q14 Has your state published chronic absence data on its website for the 2020-2021 school year?





Q15 If chronic absence data has or will soon be published on your website, is it disaggregated? Please check all that apply:





Variations of Attendance Definitions in Virtual Settings*

- Measuring attendance is left to local discretion
- Attendance is counted through course completion or participation requirements
- Students are marked "in attendance" if they attend at least a half day
- Students are marked "in attendance" if they complete at least 2 daily attendance checks

*most respondents reported the same definition of attendance for long term and short term virtual settings





Attendance Awareness Campaign 2022 Moving Forward in a Pandemic



Attendance Awareness Campaign:

Key Strategies

- I. A strategic messaging and awareness-building campaign that includes the designation of September as Attendance Awareness Month as the launch of year-long attendance campaigns
- II. Community-level action and engagement, especially in conjunction with Attendance Awareness Month; and
- III. National and local-level public events, to occur all year with an emphasis on the month of September, that garner media attention and raise public awareness

AND THIS WILL BE OUR 10th ANNUAL CAMPAIGN!!





Key Resources

- ✓ Download and share our key messages and free social media materials
- ✓ Promote the Attendance Awareness Campaign Webinars
- ✓ Proclaim September Attendance Awareness Month building off our sample proclamation
- ✓ Join our listserv

PROMOTE THE CAMPAIGN



Sign up for updates: www.awareness.attendanceworks.org



2022 Theme

Stay Connected, Keep Learning!





2022 AAC Webinars

Day of Week: All Wednesdays

Time: 12:00pm - 1:30pm PT / 3:00pm - 4:30 pm ET

- Session I (April 6): Prioritizing Connection, Relationships and Well-Being (Proposed Focus)
- Session 2 (May 25): Leveraging Summer Programming (Proposed Focus)
- Session 3 (August 3): (TBD)
- Session 4 (September 28) (TBD)





Collaborating Partner Role

The 90+ collaborating partner organizations, including state agencies, help expand participation to an even broader array of stakeholders.

Collaborating partners agree to:

- I. Disseminate updates and materials
- Generate excitement about attendance
- 3. Share success stories
- 4. Nurture media coverage

See the current partners here:

https://awareness.attendanceworks.org/partners-2/

Interested in becoming a Collaborating Partner?

Contact:

Catherine Cooney
Director of Communications
Catherine@attendanceworks.org



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Attendance Works Updated Resources





Winter Weather Messaging



Resources to help parents and community members develop strategies to overcome weather-related barriers. Download:

- Parent flyer
- Sample letter to send home
- Sample robocall
- Ideas and tips for action for schools and community leaders

Find the toolkit: www.attendanceworks.org/resources/messaging/stay-the-course-a-winter-messaging-toolkit/



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Additional Resources from Attendance Works

Handouts for Families

- ✓ Preschool
- ✓ Elementary
- ✓ Secondary Grades

https://www.attendanceworks.org/ resources/handouts-for-families/



Build the Habit of Good

- · Gain early reading and math skills.
- · Build relationships

- · Attend orientation with your child to meet teachers a and find out about health and safety procedures.
- dropping off or picking up your child.
- preschool is not in session.
- . If your child seems anxious about going to preschool, talk to the program director, teacher, your doctor or other parents for advice Make sure the program is a good fit for your child.

Visit Attendance Works at www.attendanceworks.org for free downloadable resources and tools!

feel comfortable and excited about learning.

Help Your Child Succeed in School:

. Students can still fall behind if they miss just one or two days every few weeks.

attendance will be a skill that will help them succeed in high school and college.

· Being late to school may lead to poor attendance.

DID YOU KNOW?

WHAT YOU CAN DO

. Set a regular bedtime and morning routine.

Lay out clothes and pack backpacks the night before.

· Find out what day school starts and make sure your child has the

Introduce your children to their teachers and classmates before

Call on a family member, a neighbor, or another parent.

. Develop backup plans for getting to school if something comes up.

· Avoid medical appointments and extended trips when school is in

· Keep in mind that complaints of a stomach ache or headache can

be a sign of anxiety and not a reason to stay home. If your child

counselors and other parents for advice on how to make your child

seems anxious about going to school, talk to teachers, school

. If your child must stay home due to illness, ask the teacher for

Build the Habit of Good Attendance Early

. Starting in preschool and kindergarten, too many absences can cause children to fall behind in school.

. Absences and tardiness can affect the whole classroom if the teacher has to slow down learning to help

Attending school regularly helps children feel better about school—and themselves. Start building this habit

in preschool so they learn right away that going to school on time, every day is important. Eventually good

. Missing 10%, or about 2 days each month over the course of a school year, can make it harder to learn to read.



DID YOU KNOW ...

Showing up on time every day is important to your ch

- Missing 10% of school (one or two days every few weeks
- Develop good attendance habits.
- High quality preschool and kindergarten has many ber
- . The routines your child develops will continue through
- . Make the most of early grades by encouraging your

WHAT YOU CAN DO

Work with your child and his/her teacher to develop you

Talk about it - sing about it - make it an adventure!

- · Set a regular bedtime and morning routine.
- Lay out clothes and pack backpacks the night before.
- . Share ideas with other parents for getting to school on
- · Find out what day school starts and begin a countdow
- · Make sure your child has the required shots.
- . Ask family members or neighbors for assistance if you
- . Try to schedule medical appointments and extended to

When Do Absences Become a Problem?



18 or more days

10 to 17 days

SATISFACTORY 9 or fewer absences

Note: These numbers assume a 180-day school year.

resources and ideas to continue learning at home Visit Attendance Works at www.attendanceworks.org for free downloadable resources and tools!

for school has a huge impact on a student's academic success. Even as children grow older and making sure students get to school every day and understand why nol and on the job

> hool each year to stay engaged, successful and on track to graduation. s losing interest in school, struggling with school work, dealing with a

that a student may drop out of high school. graduation rates than 8th grade test scores.

course of the school year, can drastically affect a student's academic

every day

Keep Your Child On Track in Middle and High

School: Pay Attention to Attendance

s finishing homework and getting a good night's sleep. ents during the school day.

sick, make sure they have asked teachers for resources and materials to

sses, and feel safe from bullies and other threats. ecause of challenges with behavioral issues or school discipline policies.

and work with them to find a solution. help from teachers or tutors when necessary. Make sure teachers know

essure can lead to skipping school, while students without many friends

ool activities, including sports and clubs. ving signs of anxiety, such as headaches eeded, ask school staff for help.

nd penalties. nces are not adding up. munity agencies if you need support

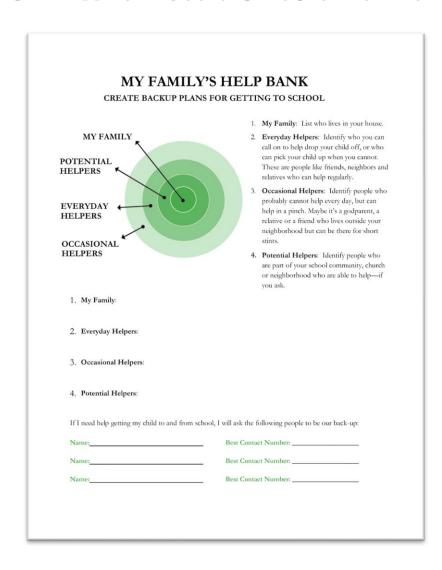


Attendance

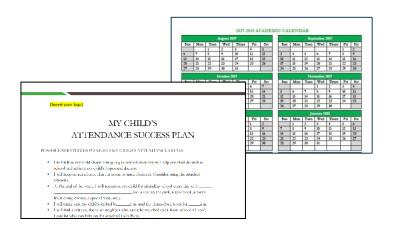
nceworks.org for free downloadable resources and tools!



Work With Students and Families to Create a Success Plan



- ✓ Set attendance goals
- ✓ Make backup plans
- ✓ Track absences
- ✓ Recognize success!



http://www.attendanceworks.org/resources/student-attendance-success-plans/



Professional Development E-Learning Series

from Attendance Works



- √ 3-part online training series for educators
- ✓ Can be adapted for state specific series
- ✓ Learn proven, evidence-based tiered strategies to engage students and promote attendance
- ✓ Interact with peers and the AW team
- ✓ School administrators are encouraged to attend with their teams
- ✓ Cost: \$300 per person. Eligible for Title I, Title 2A, and Covid relief funds.

Learn more and register here:

https://www.attendanceworks.org/technical-assistance/e-learning-series-for-educators/

To purchase an E-Learning series for your state contact: Cecelia Leong, Vice President at Cecelia@attendanceworks.org



Please tell us how we're doing!

https://app.upmetrics.com/data_collector/cklwj8q71w9w707306xnps5vv

Thank you!

Summer Learning Appendix

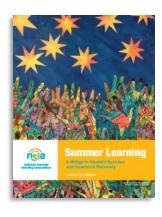
Additional Resources







Yale Child Study Center + Scholastic Collaborative for Child & Family Resilience



Summer Learning: A Bridge to Student Success and America's Recovery, a COVID-19 PLAYBOOK

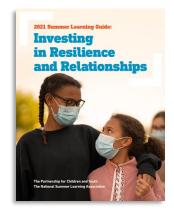


Summer Starts in September Planning Guide





Scenario Planning and Partnership Resources



2021 Summer Learning Guide: Investing in Resilience and Relationships



Site Leader's Guide to Summer Program Planning



Getting Support for Summer Learning: How Federal, State, City, and District Policies Affect Summer Learning Programs



Shaping Summertime Experiences





Safety and Enrichment Resources



NCASE: Listening Session: The State of School-Age Child Care – Summer 2020



Wallace Foundation: Every Summer Counts



COVID-19 Resources



Field Guide for Camps



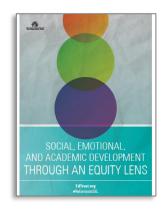
Georgia State Afterschool Network & 50 State Afterschool Network: Summer Activity Guide



SEL and Culturally-Responsive Resources



SEL+OST=Perfect Together: A Conference Report



The Education Trust: Social, Emotional, and Academic Development Through an Equity Lens



Fortt Media: The Black Experience in America



Social and Emotional Development in Early Adolescence: Tapping into the Power of Relationships and Mentoring



The Partnerships for Social and Emotional Learning Podcast



SEL in Action







SLPQA Supplemental Scales

- Math
- Literacy
- Greeting
- Transitions (AM and PM)
- Departure

LEARNING STRATEGIES | Youth are supported developing learning initiative and persistence.

NOTE: Score based on activity sessions (i.e., don't include snack time, informal recreation time, transitions).

	ITEMS			SUPPORTING EVIDENCE/ANECDOTES
1.	When youth make errors or need to make improvements, staff does not have youth attempt to figure out for themselves how to correct or improve.	3 When youth make errors or need to make improvements, staff has youth attempt to figure out how to improve or correct, but does not guide or support the youth in responding (e.g., staff jumps in with correct answer before youth has time to respond; when youth doesn't know how to improve, staff does not rephrase question or give a hint).	5 When youth make errors or need to make improvements, staff guides or supports youth in attempting to figure out for themselves how to correct the error, or how to improve (e.g., "So, what could you do differently?" "So what did you forget to do in that subtraction problem?" "Next time, what could you do to keep yourself focused?").	
2.	Staff does not discuss strategies/process.	3 Staff has the youth identify a learning strategy once or twice, OR staff identifies strategies, but does not have youth identify a strategy (e.g., "I noticed that you used context clues to figure out the word." "Try breaking the word into syllables").	5 Staff has youth identify learning strategy three or more times (preferably when youth is right and when youth is wrong). (Staff: "What strategy did you use to figure out that word? " Youth: "I figured it out from the rest of the sentence.")	
3.	1 Staff only attributes success or failure to factors outside youth's control (e.g. innate ability, fate, luck, the mistakes of others. "Some people just aren't good at math." "It was the teacher's fault for giving such a hard test.").	3 Staff attributes success or failure to factors both within and outside their control or makes no attributions about youth's control over success or failure.	5 Staff attributes success to effort, strategy, attention, practice or persistence (e.g., "Your brain is like a muscle, the more you exercise it, the better it works", "It may take some extra practice, but you'll get better at it." "I see your effort paid off." "You can do this!just try a different strategy this time")	

IV. ENGAGEMENT: PLANNING, CHOICE, REFLECTION | LEARNING STRATEGIES | HIGHER ORDER THINKING

MATH | Youth are supported in mathematical problem solving.

NOTE: Score based on activity sessions (i.e., don't include snack time, informal recreation time, transitions).

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	ITEMS			SUPPORTING EVIDENCE/ANECDOTES
1.	No youth participate in mathematical problem solving.	3 Some youth participate in mathematical problem solving (e.g. "How many tables do we need to set up if each table seats four?").	5 All youth participate in mathematical problem solving (e.g., Youth explore given information and plan a solution; "I've got to figure out how much supplies to distribute so everyone has an equal amount." "I can determine the price based on the weight.").	
2.	Youth are not given opportunities to solve mathematical problems.	3 Youth are given an opportunity to solve mathematical problems or apply mathematical knowledge and skills in only one context or setting.	5 Youth are given opportunities to solve mathematical problems or apply mathematical knowledge and skills in two or more contexts or settings (e.g., Youth are asked to measure the length of a string using a ruler during an experiment; Youth look for patterns in fabric during an art exploration; Youth use a formula to calculate their weight on another planet.)	
3.	Youth do not develop or evaluate mathematical arguments.	3 Once, youth develop or evaluate mathematical arguments using reasoning.	5 More than once, youth develop or evaluate mathematical arguments using reasoning (e.g., "The reason I would go down Elm street rather than Monroe is because it is a straight line, and therefore a shorter distance." "I realized I must have an error with the decimal point because the amount seemed too small at the end.").	