

# Update on NAEP 2021

*Presentation at the NAEP Studies SIG Business Meeting  
American Education Research Association Annual Meeting*

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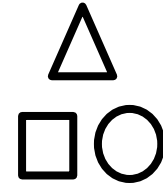
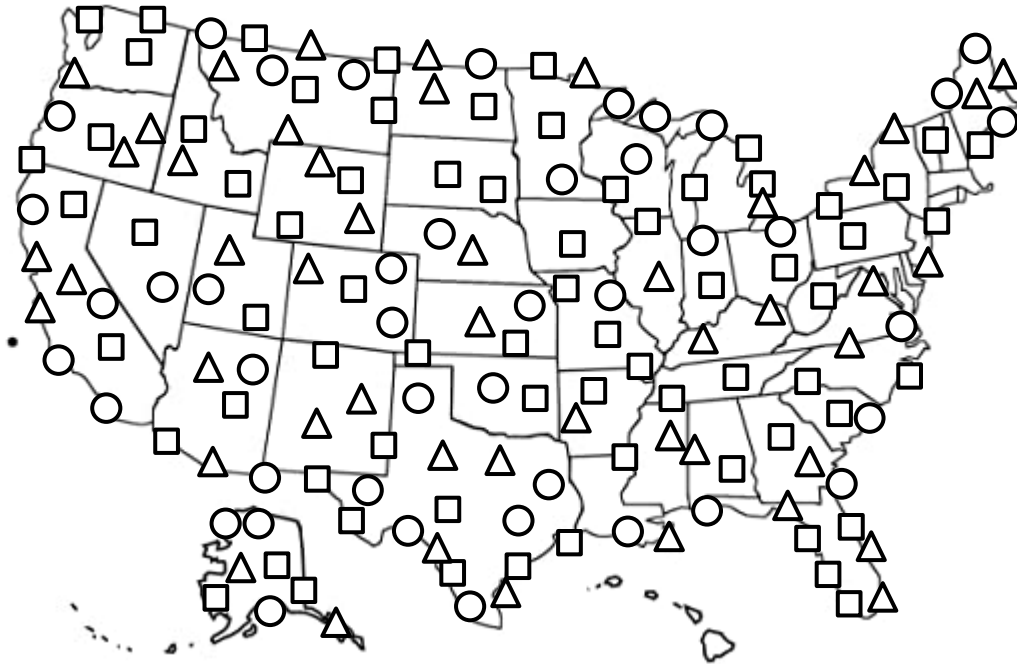
April 10, 2021

# Postponement of 2021 NAEP Assessments to 2022

# Rationale Behind Postponement of 2021 Assessments

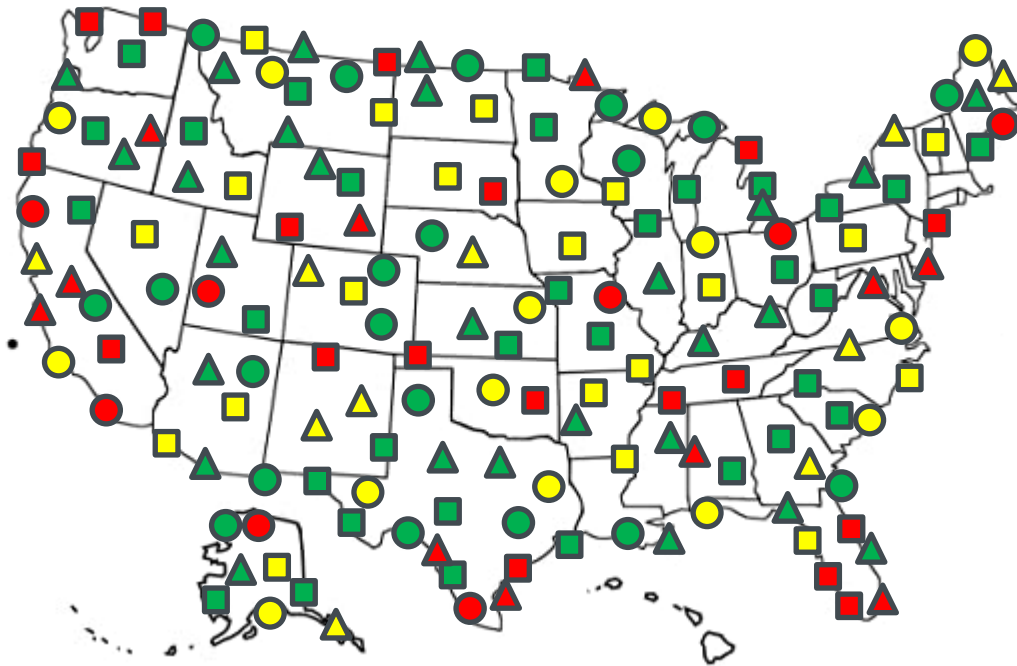
- Balancing importance of data in the impact of the pandemic with the ability to actually field the assessment infrastructure
- NCES was accumulating costs in preparation for an assessment that did not seem possible
- Surveys of schools and teachers were possible and would be informative

# Sample in a Typical NAEP Assessment



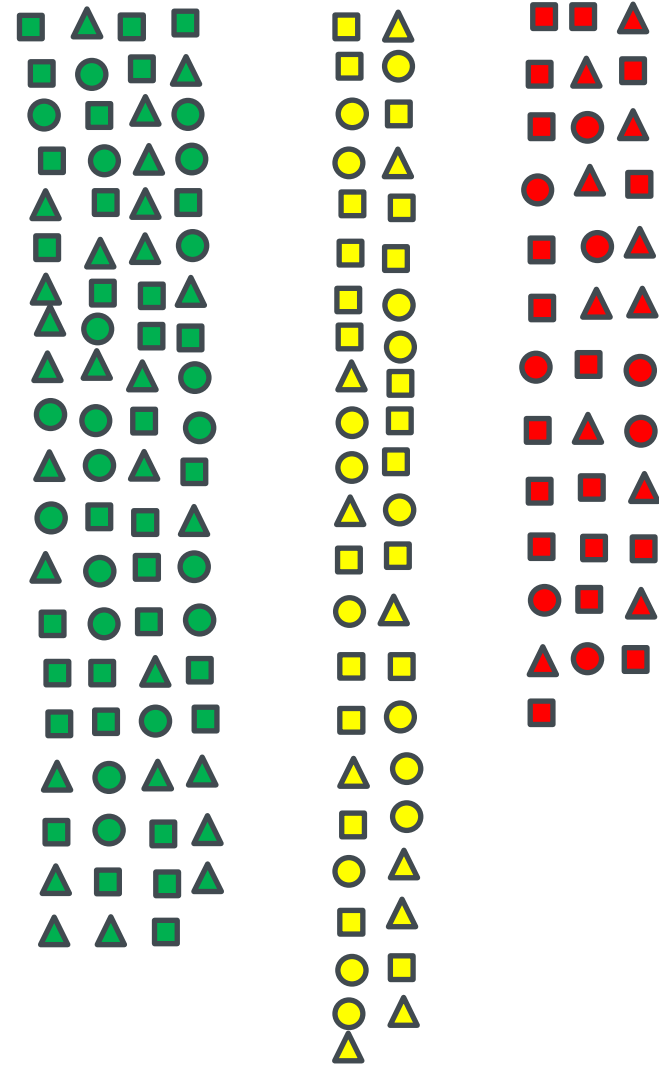
Students with different backgrounds

# Sample in 2021 NAEP Assessments



- Attending in person
- Attending in person some days
- Not attending in person

# Sample in 2021 NAEP Assessments

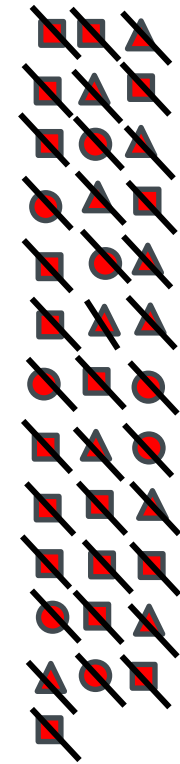
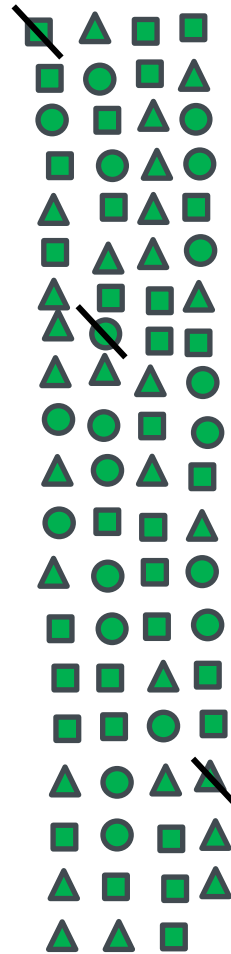


Attending in person

Attending in person some days

Not attending in person

# Sample in 2021 NAEP Assessments



Attending in person

Attending in person some days

Not attending in person

# What would reporting look like if we held NAEP 2021 today? (11/6/2020)

USA Facts  
10/29 - 11/04

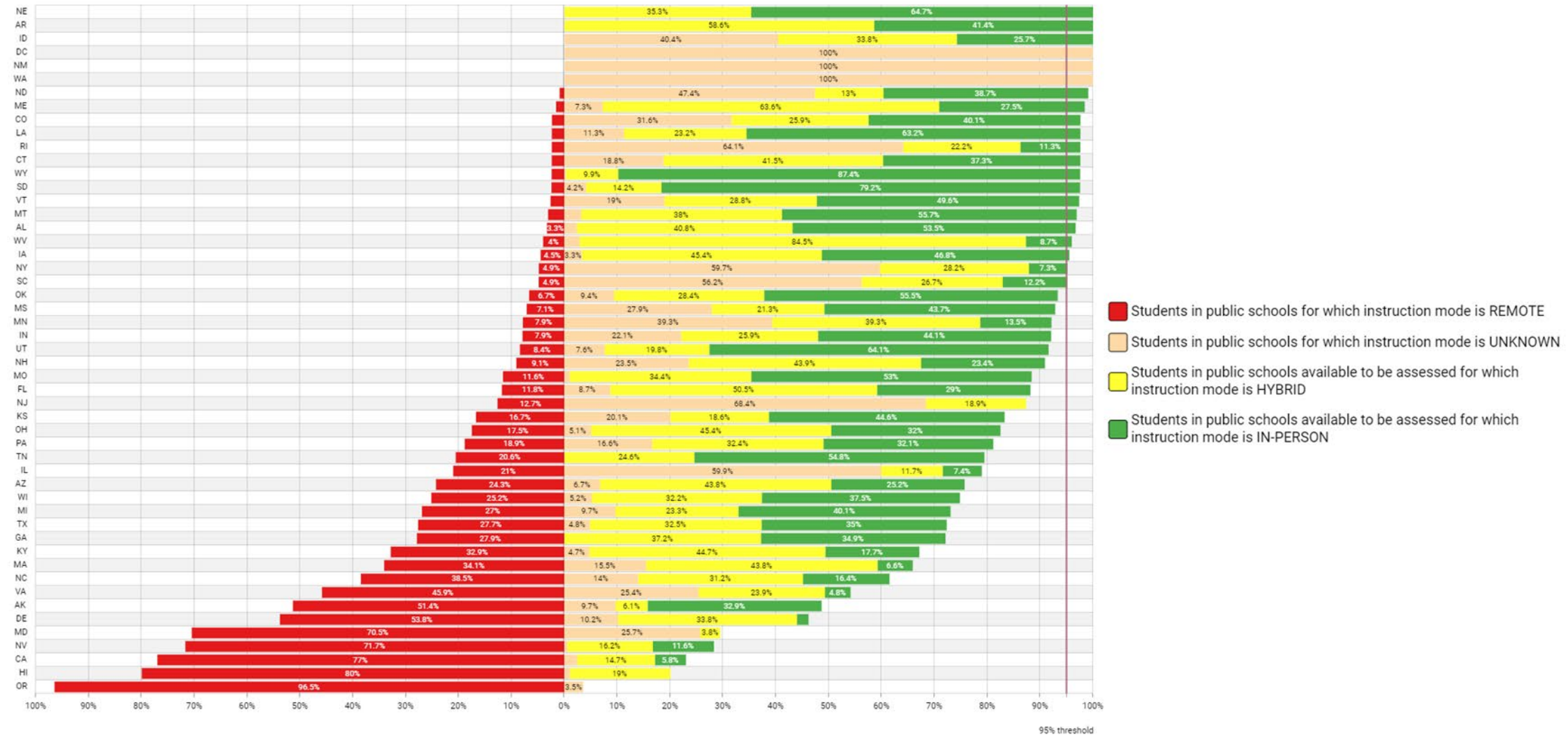
All risk levels

Grade 4

- If we conducted NAEP 2021 today, for which states would we meet the 95 percent coverage threshold based on instruction mode (in-person, hybrid, remote) alone?

## Coverage Threshold for States (Grade 4)

Instruction mode (in-person, hybrid, or remote), refusals (district, school, parent, or student), and school visitor policy (allow or disallow) based on dataset collected directly by NAEP from sampled schools (as of 11/05/2020).





# COVID Risk Level Map (11/16/2020)

- If we conducted NAEP 2021 today, what is the COVID risk level of the communities where sampled students attend school?

USA Facts  
11/06 - 11/12

Full sample

All risk levels

Show all

All Grades

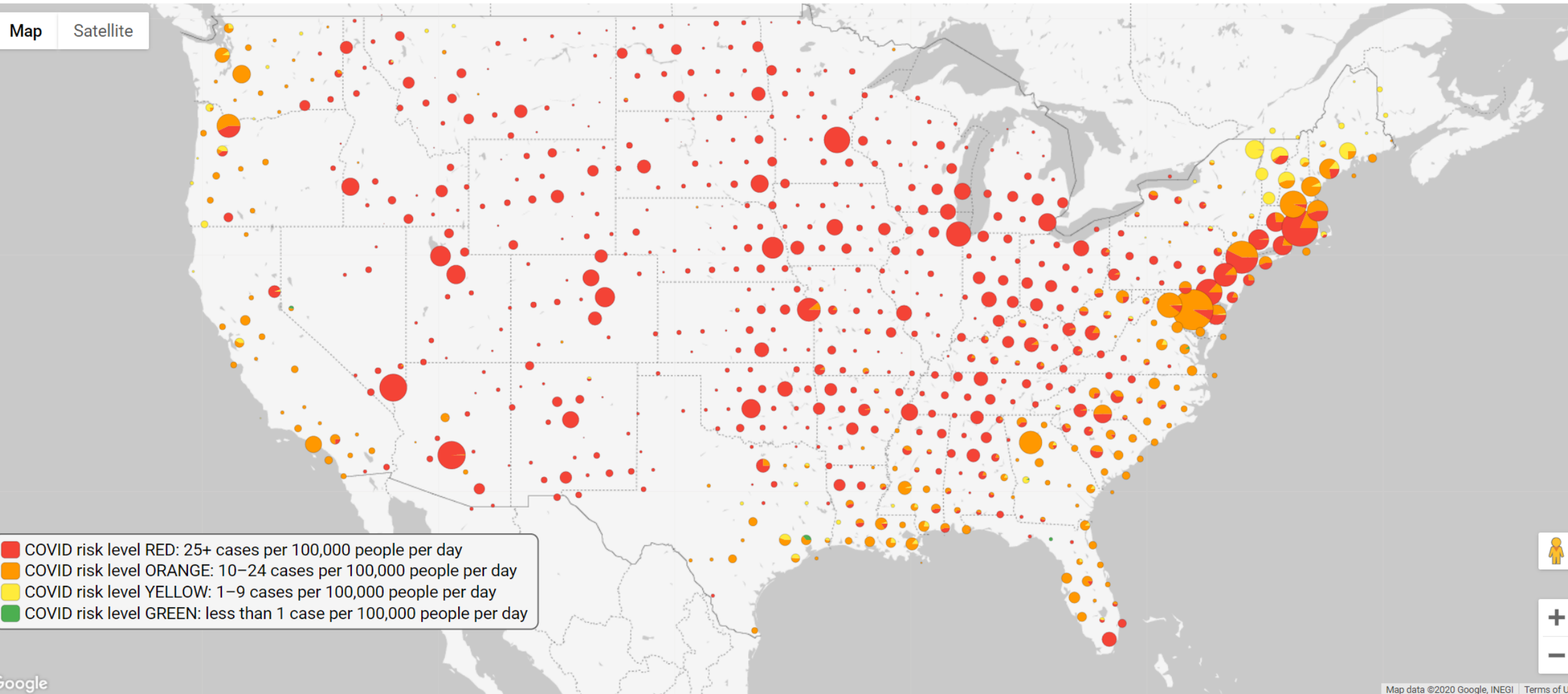
Lower 48

## Reporting Results for States (All Grades)

COVID risk level framework based on [Harvard Global Health Institute Key Metrics for COVID suppression](#).

COVID risk levels based on [USA Facts : US Coronavirus Cases and Deaths - known cases](#) and [USA Facts : US Coronavirus Cases and Deaths - county populations](#) datasets (7-day trailing average as of 11/12/2020).

Map Satellite



- COVID risk level RED: 25+ cases per 100,000 people per day
- COVID risk level ORANGE: 10-24 cases per 100,000 people per day
- COVID risk level YELLOW: 1-9 cases per 100,000 people per day
- COVID risk level GREEN: less than 1 case per 100,000 people per day



# COVID Risk Level Map with Nonassessable Schools (11/16/2020)

- If we conducted NAEP 2021 today, where could we assess sampled students?

USA Facts  
11/06 - 11/12

- Remote, Refusals, No Visitors

YELLOW or GREEN

Show all

All Grades

Lower 48

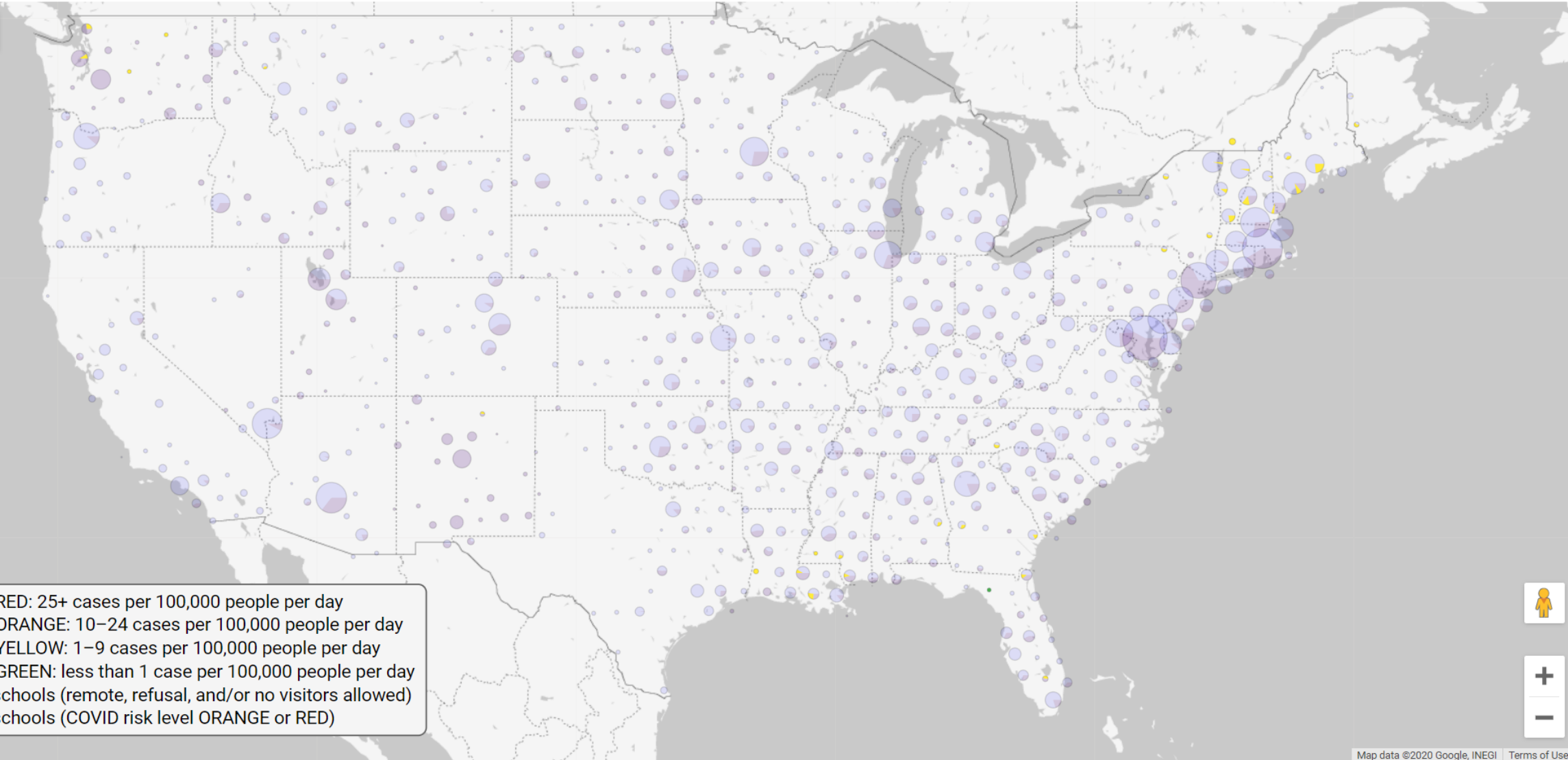
## Reporting Results for States (All Grades)

Instruction mode (in-person, hybrid, or remote), refusals (district, school, parent, or student), and school visitor policy (allow or disallow) based on dataset collected directly by NAEP from sampled schools (as of 11/13/2020).

COVID risk level framework based on [Harvard Global Health Institute Key Metrics for COVID suppression](#).

COVID risk levels based on [USA Facts : US Coronavirus Cases and Deaths - known cases](#) and [USA Facts : US Coronavirus Cases and Deaths - county populations](#) datasets (7-day trailing average as of 11/12/2020).

Map Satellite



# NAEP 2021 Monthly School Survey

# NAEP 2021 School Survey

- IES and the National Center for Education Statistics (NCES) launched a monthly survey using existing NAEP infrastructure (<https://ies.ed.gov/schoolsurvey/>)
  - An online portal for data collection
  - Well-established recruitment methods
  - Data analysis and reporting expertise
- Results will provide additional context for the 2022 NAEP mathematics and reading data at grades 4 and 8
- Survey will contribute to IES's response to executive order

# NAEP 2021 School Survey

- **Targeted sample included 3,500 schools at grade 4 and 3,500 schools at grade 8**
- **For latest round (February), results are available for (provided response rates are met):**
  - The Nation
    - Region, i.e., West, Northeast, South, Midwest
    - School locale, i.e., city, town, rural, suburban
  - 44 states, the District of Columbia, Puerto Rico, and 11 TUDAs agreed to participate
  - 6 states, Department of Defense schools, and 16 TUDAs declined participation
- **Results reported**
  - By percentages of students and schools
  - For each survey question, including select student groups

# NAEP 2021 School Survey Schedule

What are the data collection windows?	What months will the data represent?	When will the dashboard be updated?
February 22 – March 12	January*	March 24
<b>March 17 – 30</b>	<b>February</b>	<b>April 7</b>
April 14 - 23	March	May 3
May 24-28	April	June 7
June 21-25	May	July 6

\*Question one in the first data collection reflects February 22- March 12 due to wording of question.

# Dashboard includes answers to the following questions:

## 1. Instruction offered

*To what degree did schools offer **remote only**, **hybrid**, or **full-time in-person instruction**?*

## 2. Learning model

*What was the proportion of students overall and by various **student groups enrolled in each instructional mode** during the month?*

## 3. Attendance (**NEW**)

*What was the **attendance rate** for each instructional mode for the month by various student groups?*

## 4. Hybrid Type

*What type of **hybrid model** was offered?*

## 5. Hybrid Frequency

*On average, how many days were students offered **in-person instruction** under the **hybrid instructional mode**?*

## 6. Live Instruction

*How many **hours of synchronous (i.e., live) instruction** did students receive on average daily under the remote learning mode?*

## 7. In-Person Priorities

*Which student groups received **priority for in-person instruction**?*

## 8. Vaccinations (**NEW**)

*What percent of teachers have **received at least one dose of COVID-19 vaccination**?*

# Participation Rates for Second Round (February)

- National results for each survey question are reported if at least 50% of selected schools participate and are representative of regions and school locales
  - Private schools participated for the first time in month 2
- Results are reported for state/TUDA if response rate is at least 70%
- 37 states and 11 TUDAs in grade 4 and grade 8 will have reportable data
- National participation rate, by question, ranges from approximately 66-80%
- Several other states/TUDAs participated but have response rates too low to report reliable jurisdiction-level results this month



# Results from the 2021 NAEP School Survey: February

## Instruction Offered

*To what degree did schools offer remote only, hybrid, or full-time in-person instruction in February?*

Schools were asked whether they were open for full-time in-person instruction and whether they offered it to all students or just some. They were asked the same questions about hybrid instruction and remote instruction. Schools could answer yes to all three modes.

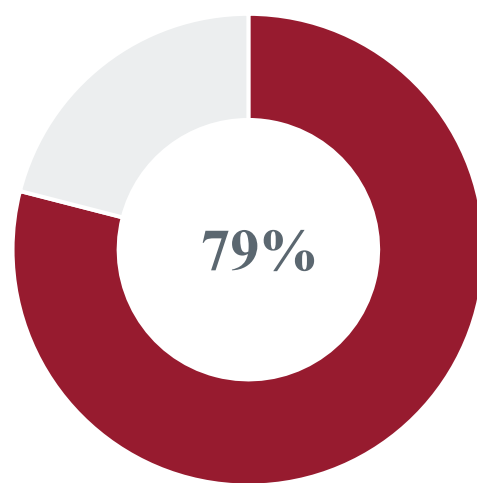
# About three-quarters of public schools are open for hybrid or full-time in-person learning

## Public schools that are open for hybrid or full-time in-person for all or some students

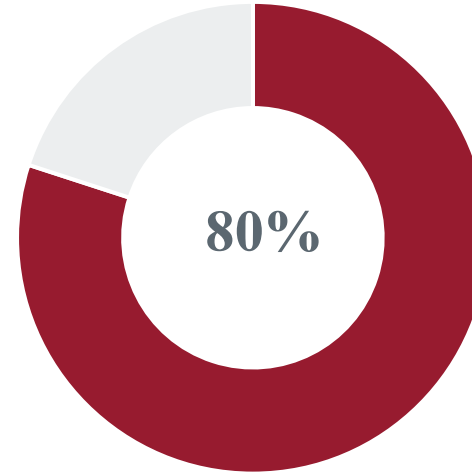
### Grade 4

(instruction offered for all students)

- 51% open for in-person
- 32% open for hybrid
- 82% offer remote



Grade 4



Grade 8

### Grade 8

(instruction offered for all students)

- 46% open for in-person
- 38% open for hybrid
- 78% offer remote

## Learning Model

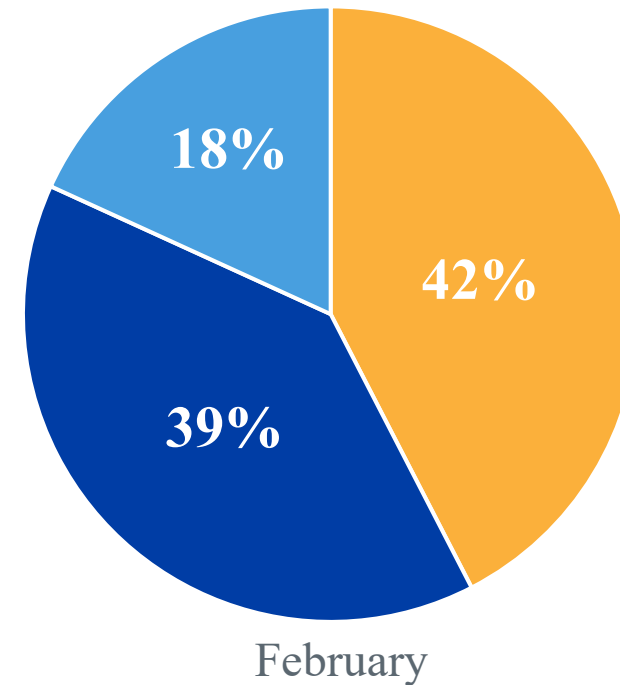
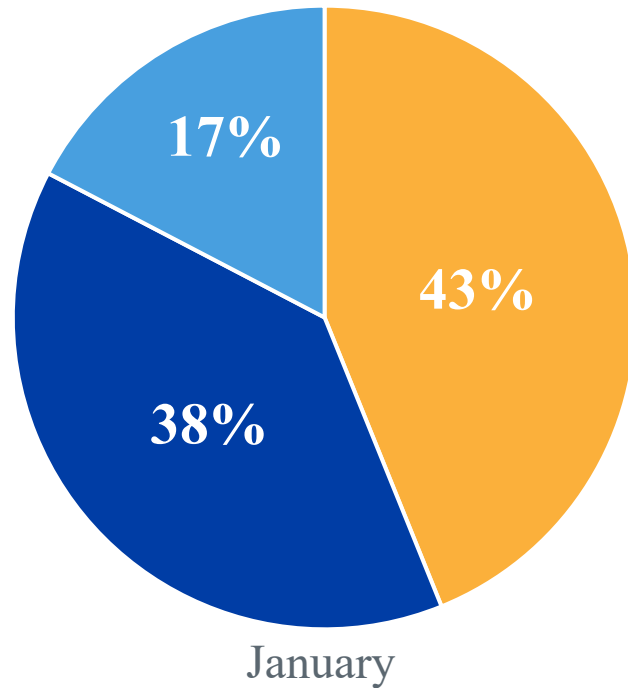
*What was the proportion of students overall and by various student groups enrolled in each instructional mode during February?*

Schools were asked to report for the month of February the number of students enrolled in in-person, hybrid, or remote instruction by race/ethnicity and by students' status as economically disadvantaged, English learners, or with a disability.

# In public schools, 42% of grade 4 students enrolled in school as fully remote in February

## Grade 4: Percentages of Public School Students, by Instructional Mode

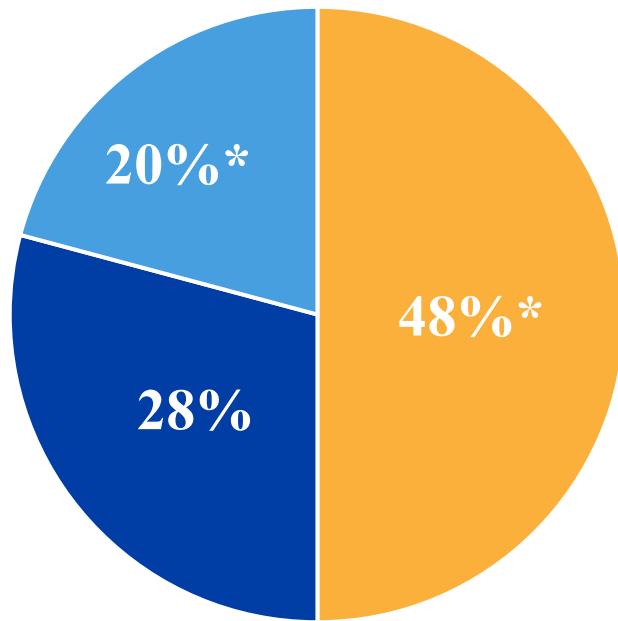
■ Remote   ■ Open: Full-Time In-Person   ■ Open: Hybrid



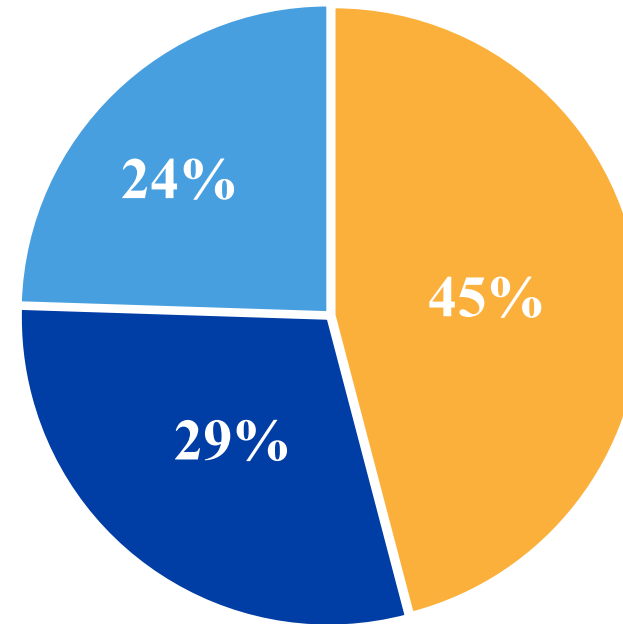
# In public schools, 45% of grade 8 students enrolled in school as fully remote in February

## Grade 8: Percentages of Public School Students, by Instructional Mode

Remote    Open: Full-Time In-Person    Open: Hybrid



January



February

# Rates of in-person enrollment vary by region

- Over a third of students in South and Midwest were enrolled for full-time in-person learning; less than a quarter for West and Northeast

## Grade 4 Open: Full-Time In-Person



# Rates of in-person enrollment vary by school location

- Between 47% and 57% of students in rural and town locations were enrolled for full-time in-person learning

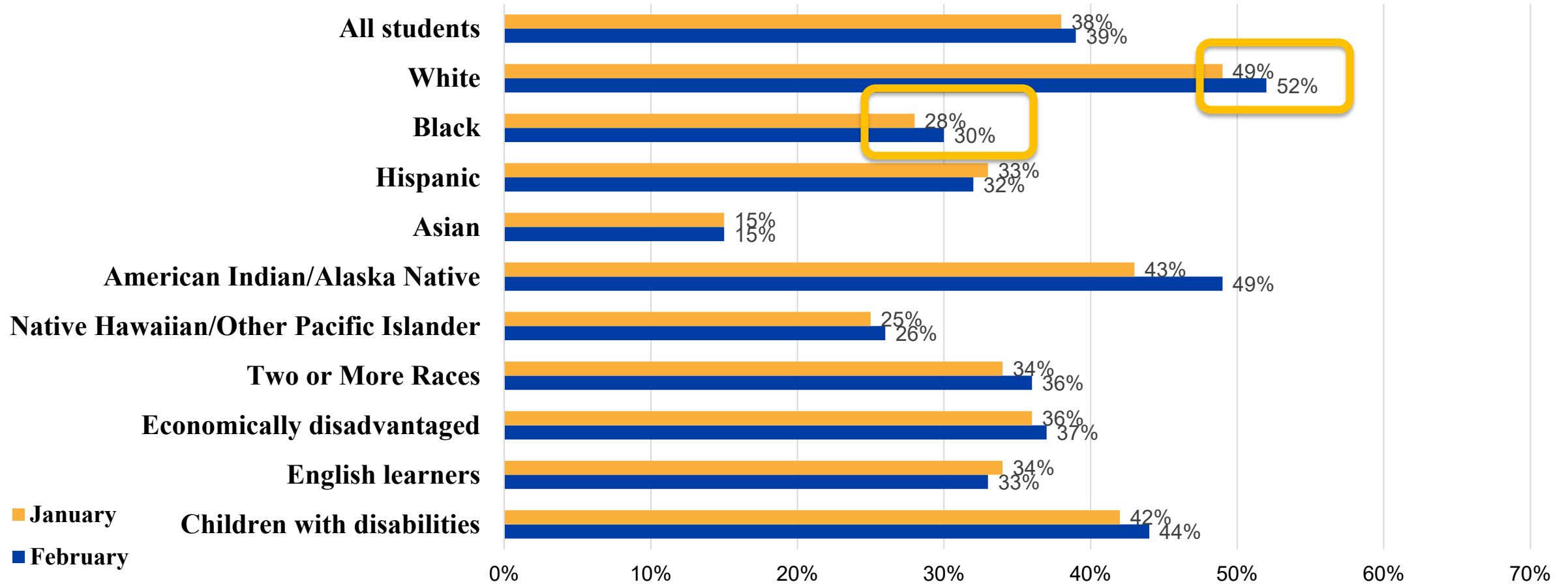
## Grade 4 Open: Full-time in person





# More than half of White students learned full-time in school, in-person in February

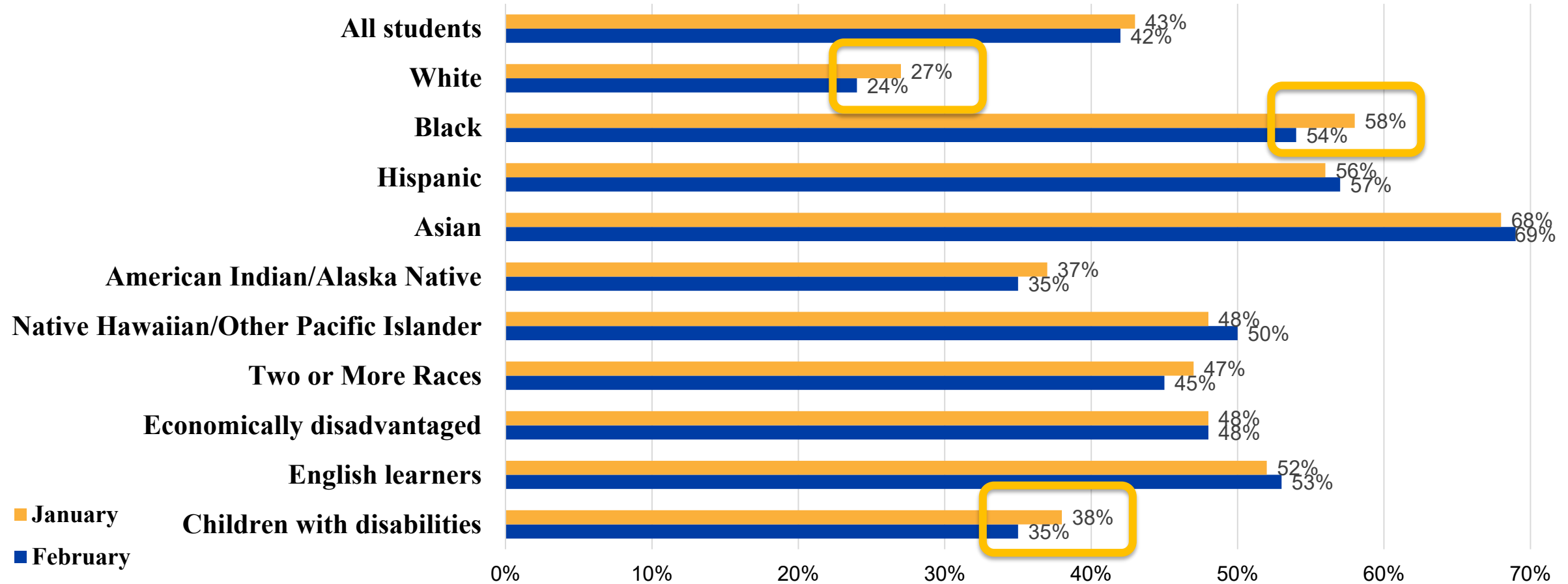
**Grade 4: Percentage of Students Enrolled in Full-Time In-Person Learning in January and February**




= statistically significant change

# Most non-White fourth-graders learned fully remotely in February

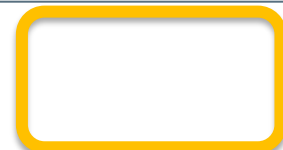
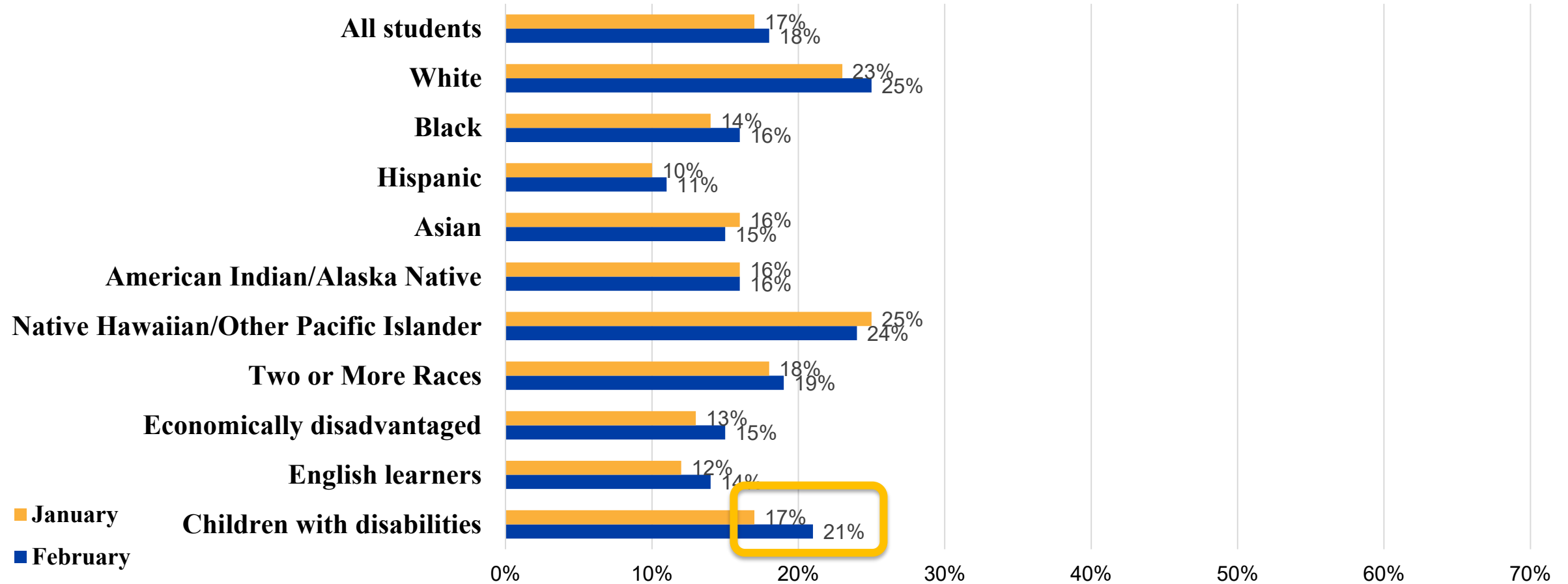
Grade 4: Percentage of Students Enrolled in Remote-Only Learning in January and February



 = statistically significant change

# Fewer than one-quarter of most non-White fourth-graders learned in a hybrid model in February

Grade 4: Percentage of Students Enrolled in Hybrid Learning in January and February



= statistically significant change

Key takeaway: *What was the proportion of students overall and by various student groups enrolled in each instructional mode during the month?*

- About 39% of fourth-graders and 29% of eighth-graders were enrolled for full-time in person learning in February; in January 38% of fourth-graders and 28% of eighth-graders were enrolled for full-time in person learning.
  - These results are not statistically different between February and January
- More than half of Black, Hispanic, and Asian fourth-graders learned fully remotely
  - while nearly half of White fourth-graders learned full-time in-person, in school

## Live Instruction

*How many hours of synchronous (i.e., live) instruction did students receive on average daily in February when learning remotely?*

Schools were asked how much synchronous (i.e., live) instruction from teachers students received, on average in February, when they were learning remotely

In February, about one-quarter of schools offered 2 hours or less of live instruction at grade 4 daily for students learning remotely

### Grade 4: Percentages of Schools Where Live Instruction for Remote Learning Occurs

	More than 5 hours	3–4 hours	1–2 hours	Less than 1 hour	No live instruction	Not offered
February	29%	39%	17%	5%	5%	5%
January	31%	38%	17%	5%	5%	5%

In February, about one-quarter of schools offered 2 hours or less of live instruction at grade 8 daily for students learning remotely

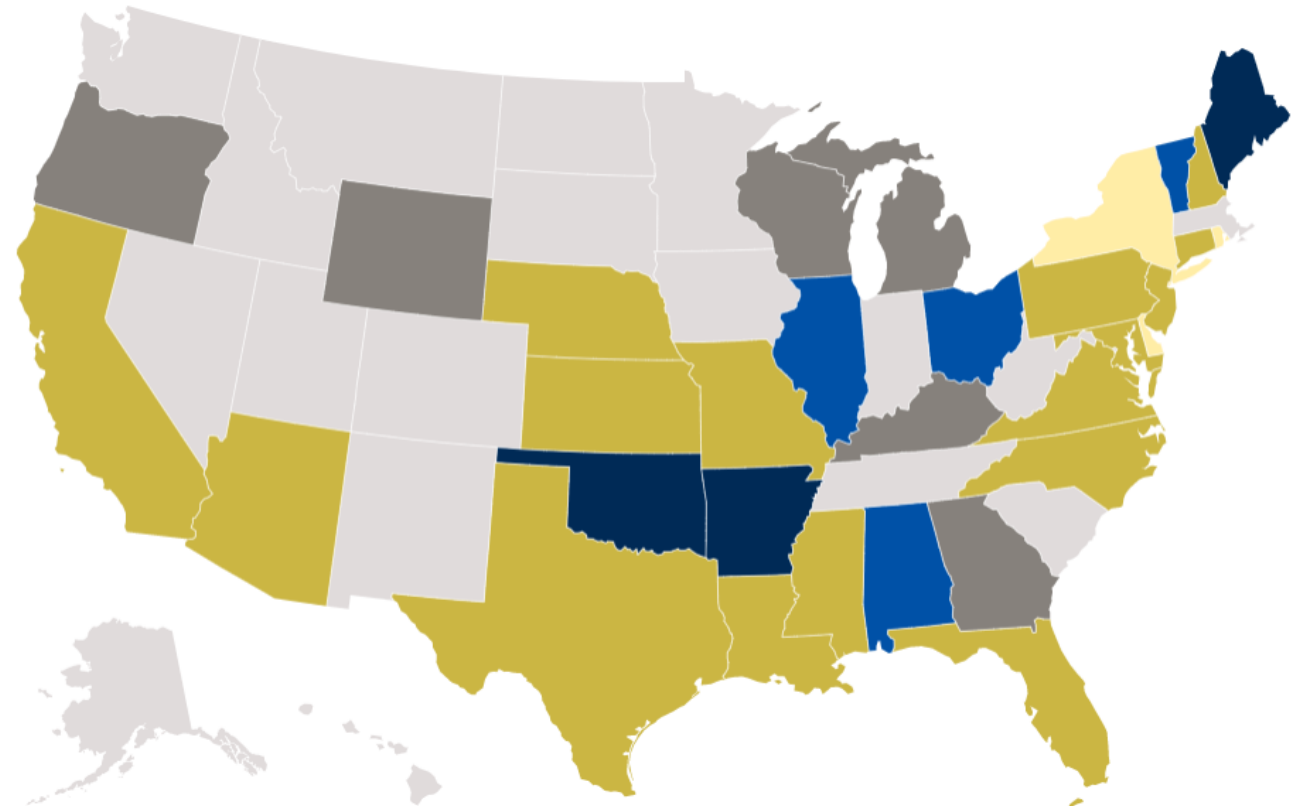
### Grade 8: Percentages of Schools Where Live Instruction for Remote Learning Occurs

	More than 5 hours	3–4 hours	1–2 hours	Less than 1 hour	No live instruction	Not offered
February	35%	33%	10%	5%	9%	8%
January	34%	32%	10%	6%	10%	8%

Key takeaway: *How many hours of synchronous (i.e., live) instruction did students receive on average daily in February when learning remotely?*

**Percentages of Fourth-Grade Students Receiving Two Hours or Less of Live Instruction During Remote Learning**

< 10 10-30 30-40 40-50 ≥ 50



- About 26% of schools provided remote learning with two hours or less of live instruction daily at grades 4 and 8
- 9% of schools with eighth grade provided no live instruction



## Full-time In-Person Priorities

*Which student groups received priority for full-time in-person instruction in February?*

Schools were asked if any student groups were prioritized for full-time in-person instruction in February, including English learners, children with disabilities, students in the lower or upper grades, students experiencing homelessness, and students without internet access at home.

In February, about 50% of schools self-reported prioritizing children with disabilities for full-time in-person instruction at grade 8

**Percentages of Grade 8 Schools Who Reported Prioritizing Groups for Full-Time In-Person Instruction**

	English learners	Children with disabilities	Lower grades	Upper grades	Students experiencing homelessness	Students without internet at home
February	35%	52%	30%	19%	31%	35%
January	33%	48%	27%	18%	29%	34%

## Vaccinations

*As of the end of February, approximately what percentage of teachers in your school had received at least one shot of a COVID-19 vaccine?*

# In February, 56% of students went to schools where vaccination status is unknown

**Percentages of grade 4 students by the proportion of teachers in their school who have received at least one shot of a COVID-19 vaccine**

	0-20%	21-40%	41-60%	61-80%	81-100%	Don't know
National percentage	15%	6%	7%	9%	6%	56%

# Conclusions

- 80% of public schools with grade 4 or 8 are open for at least some in-person instruction (e.g., full-time in-person or hybrid); in January, 77% of public schools were open for at least some in-person instruction.
- 60% of fourth-graders and 69% of eighth-graders are spending at least part of their week learning remotely. In January, 60% of fourth-graders and 68% of eighth-graders were spending at least part of their week learning remotely.
  - When students are learning remotely, many are receiving very little (i.e., 2 hours or less) live instruction.
- 54% to 69% of Black, Hispanic, and Asian fourth graders were enrolled in fully remote learning in February; 24% of White fourth graders enrolled in fully remote learning.
  - The percentage of fourth-grade White and Black students and Children with Disabilities enrolled in remote only learning were statistically lower in February than January
- At eighth-grade, a statistically higher percentage (24%) of all students enrolled in hybrid learning in February than in January (20%).
- White, Black, Hispanic, Economically Disadvantaged, and Children with Disabilities enrolled in remote only learning were statistically lower in February than in January.

# Next Steps

# 2022 NAEP Assessment Protocols



NAEP will provide field staff with necessary Personal Protective Equipment (PPE)



NAEP field staff will sanitize testing equipment multiple times during the assessment



NAEP field staff will be trained on the appropriate use of PPE and other COVID-19 safety protocols



NAEP field staff will confirm successful COVID-19 screener questionnaire results and temperature checks before entry into schools



NAEP field staff will follow any school-specific protocols





# Other IES Activity

- NCES New “School Pulse” survey
- A focus on learning recovery infrastructure
  - An investment in artificial intelligence
  - Learning from states, districts, and schools
  - Supporting hard-hit populations
  - Disseminating research and statistics

Thank you