



NAEP 101: How to Interpret Results, State Performance, and What's on the Horizon

Presentation to CSG South

September 26, 2023



Overview of The Nation's Report Card

What is the purpose?

The Nation's Report Card (also known as the National Assessment of Educational Progress or NAEP) provides national and state data on how well students are doing on a common measure across the country.

What subjects are assessed?

In 2022, The Nation's Report Card assessed students in grades 4 and 8 on reading and math and in grade 8 on civics and U.S. History.

(In some years, the assessment is also administered to 12th graders and in additional subjects, including science.)

When was the assessment given?



NAEP 2022 Assessments

SUBJECT or STUDY	GRADE	ANTICIPATED RESULTS ¹	ASSESSMENT WINDOW	REPORT RELEASE (estimated)
 Reading	4, 8	National, States and TUDA districts	Winter 2022	Fall 2022
 Mathematics	4, 8	National, States and TUDA districts	Winter 2022	Fall 2022
 Civics	8	National	Winter 2022	Spring 2023
 U.S. History	8	National	Winter 2022	Spring 2023

**- Last administration was in 2019.*

Which students are assessed?

- A nationally representative sample of students are tested.
- The 2022 reading and math assessments were administered to nearly **500,000** fourth and eighth graders in nearly **11,000** schools nationwide.
- The 2022 civics and U.S. history assessments were administered to nearly **8,000** eighth graders in more than **400** schools nationwide.

How are results reported?

- Results are reported at the national and state levels, and at the district level for 26 districts participating in the Trial Urban District Assessment (TUDA) program.
- There are no school or individual results.

Why does this assessment matter?

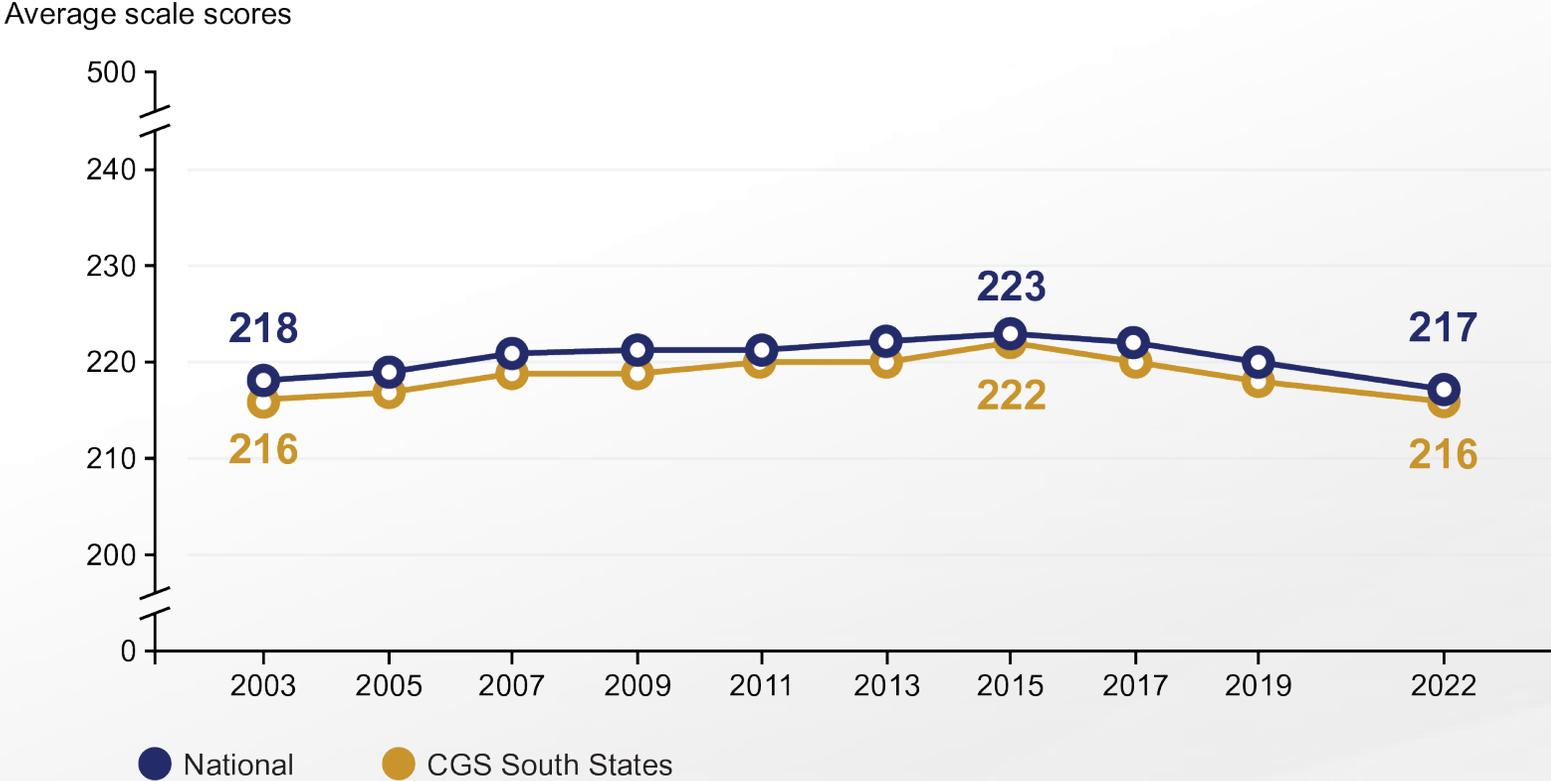
NAEP is considered the “gold standard” in national and international assessment of student achievement with a unique capacity to:

- Evaluate changes in what students know and can do over time.
- Evaluate differences between states in what students know and can do.



The Nation's Report Card Reading Results

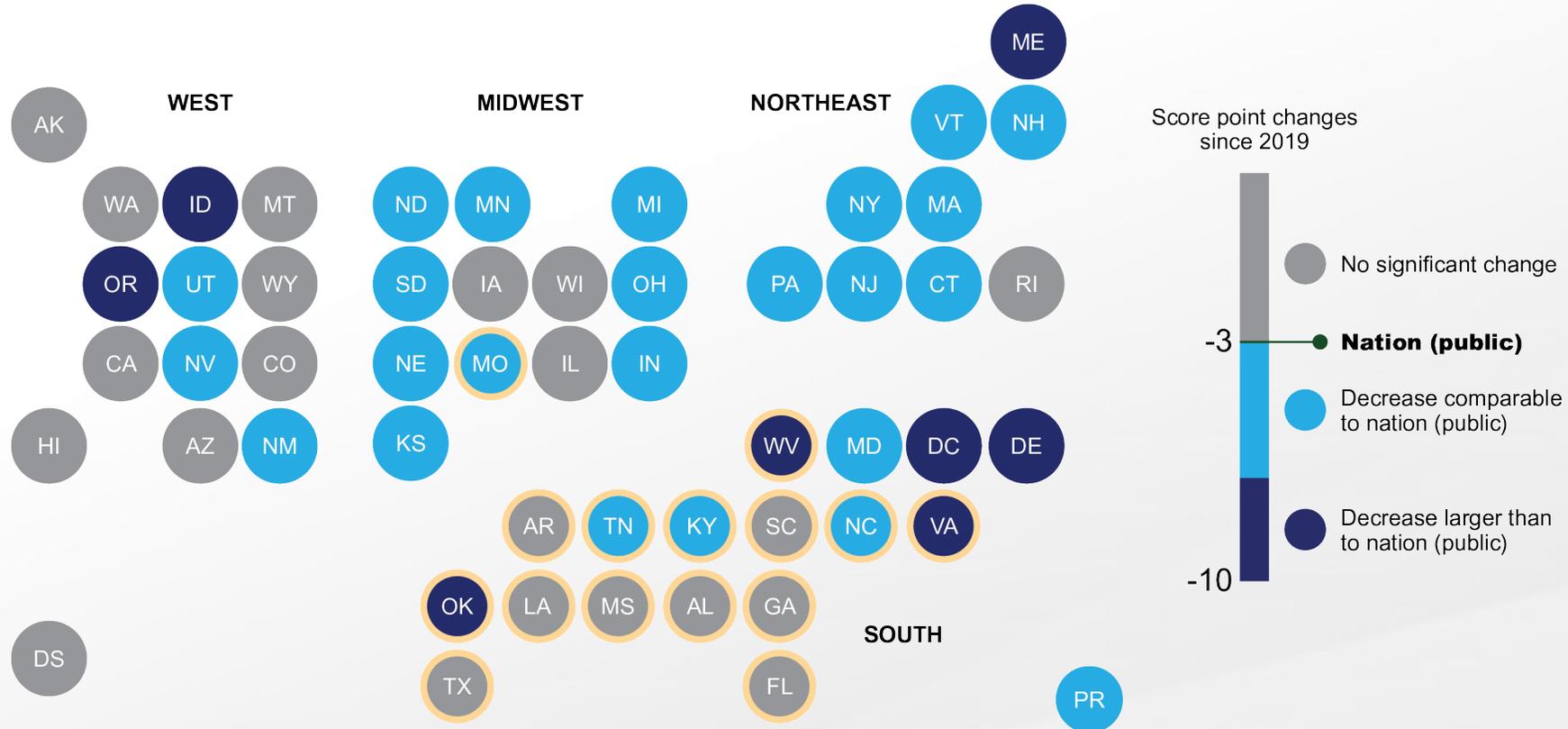
Grade 4 Reading Results Over Time



Source: National Assessment of Educational Progress, 2003-2022 Reading

Grade 4 Reading

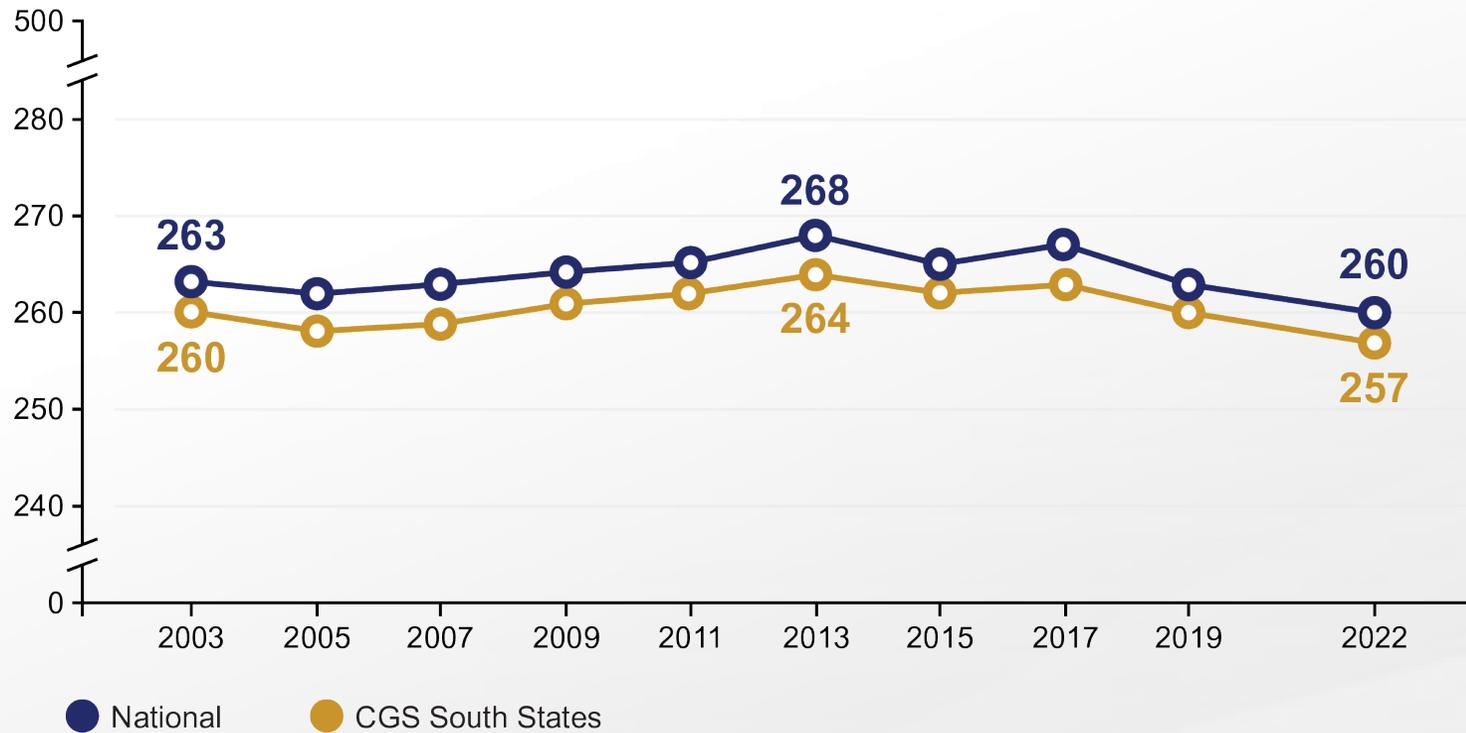
State Results by Magnitude (2022 vs 2019)



Source: Slide adapted from National Center for Education Statistics 2022 NAEP Reading results presentation

Grade 8 Reading Results Over Time

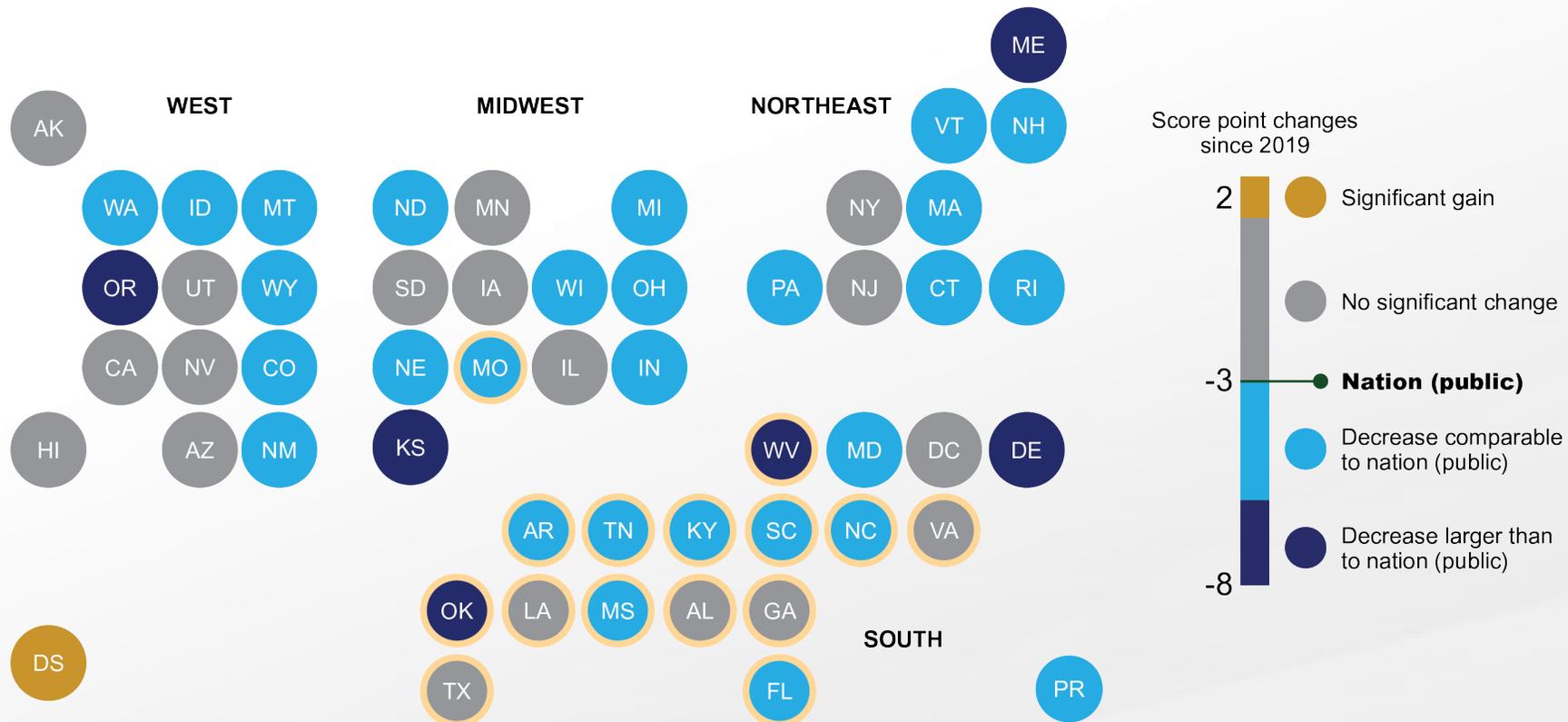
Average scale scores



Source: National Assessment of Educational Progress, 2003-2022 Reading

Grade 8 Reading

State Results by Magnitude (2022 vs 2019)



Source: Slide adapted from National Center for Education Statistics 2022 NAEP Reading results presentation

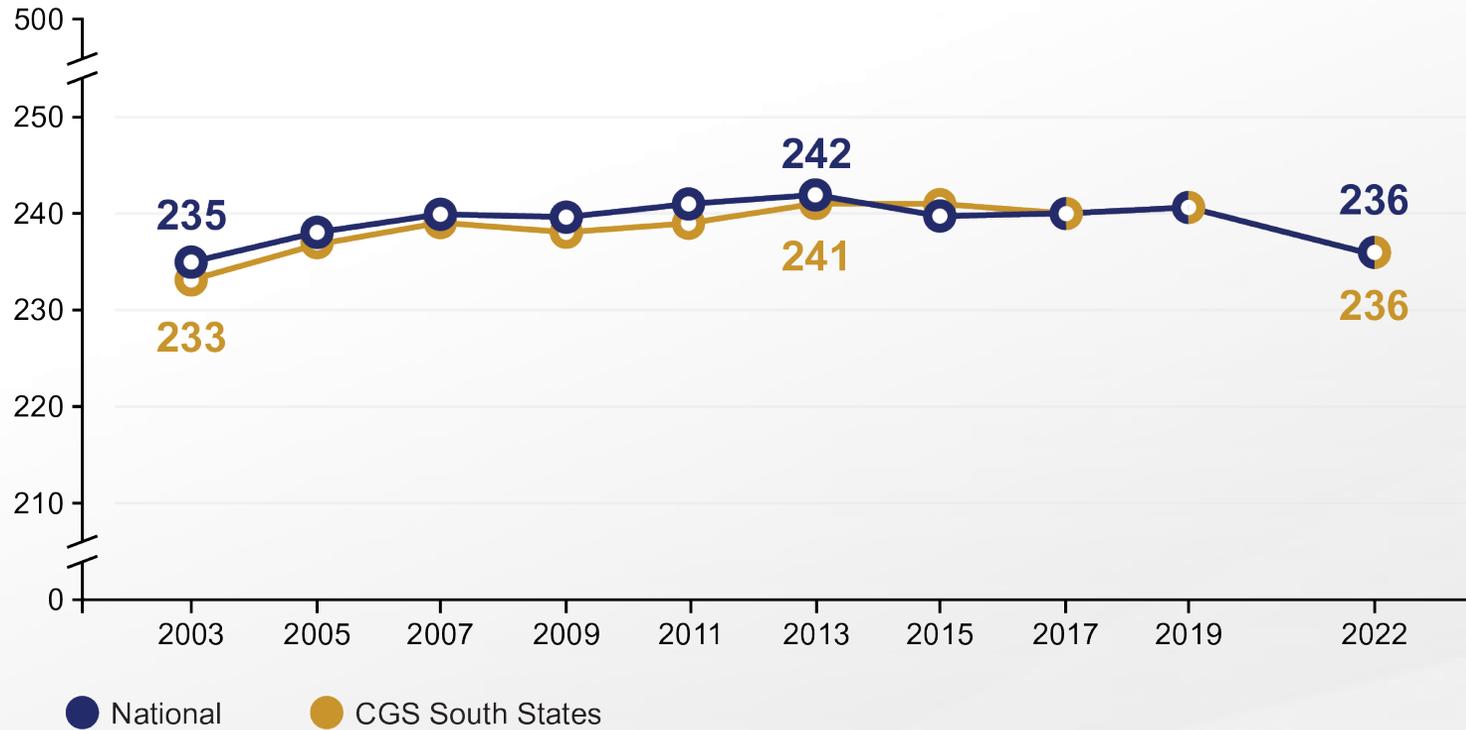


2022 Nation's Report Card

Mathematics Results

Grade 4 Mathematics Results Over Time

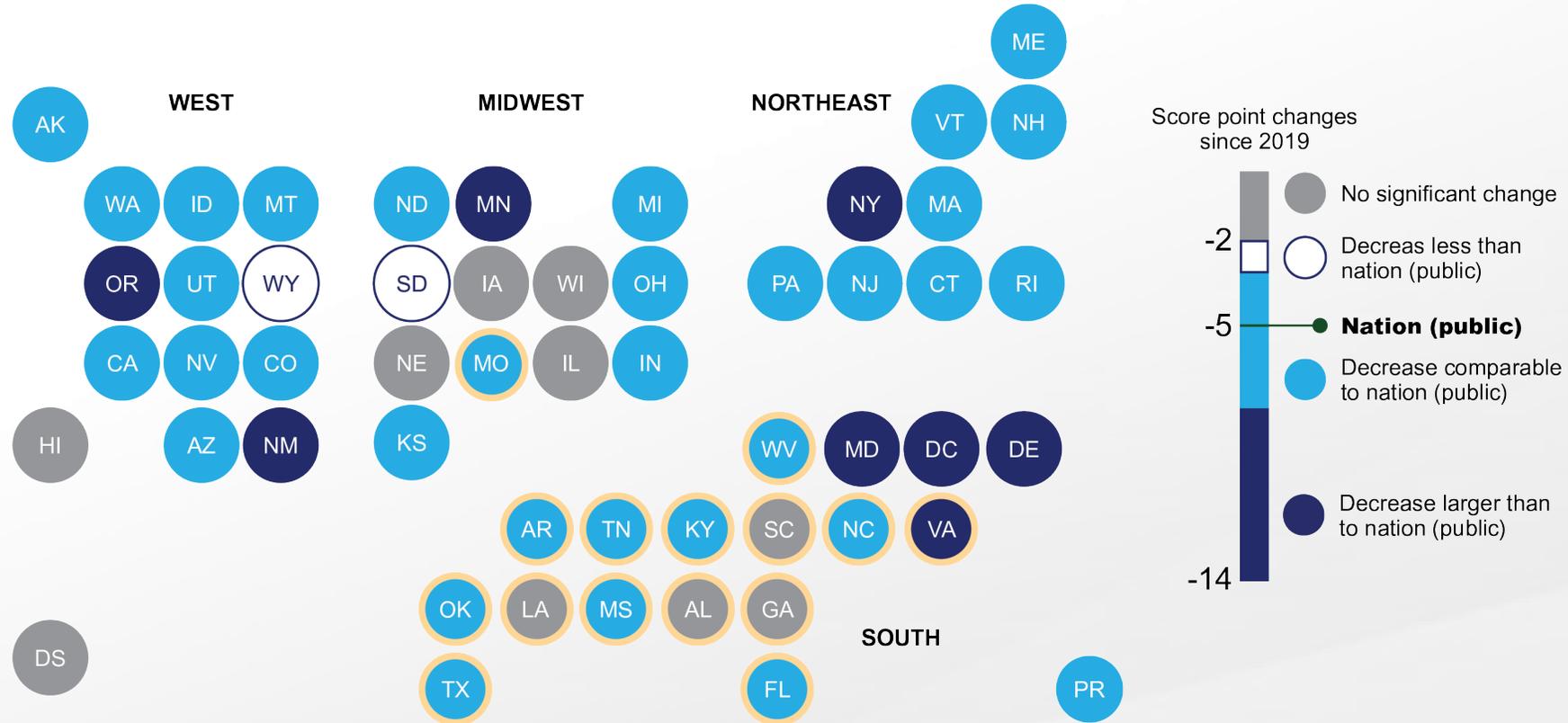
Average scale scores



Source: National Assessment of Educational Progress, 2003-2022 Mathematics

Grade 4 Mathematics

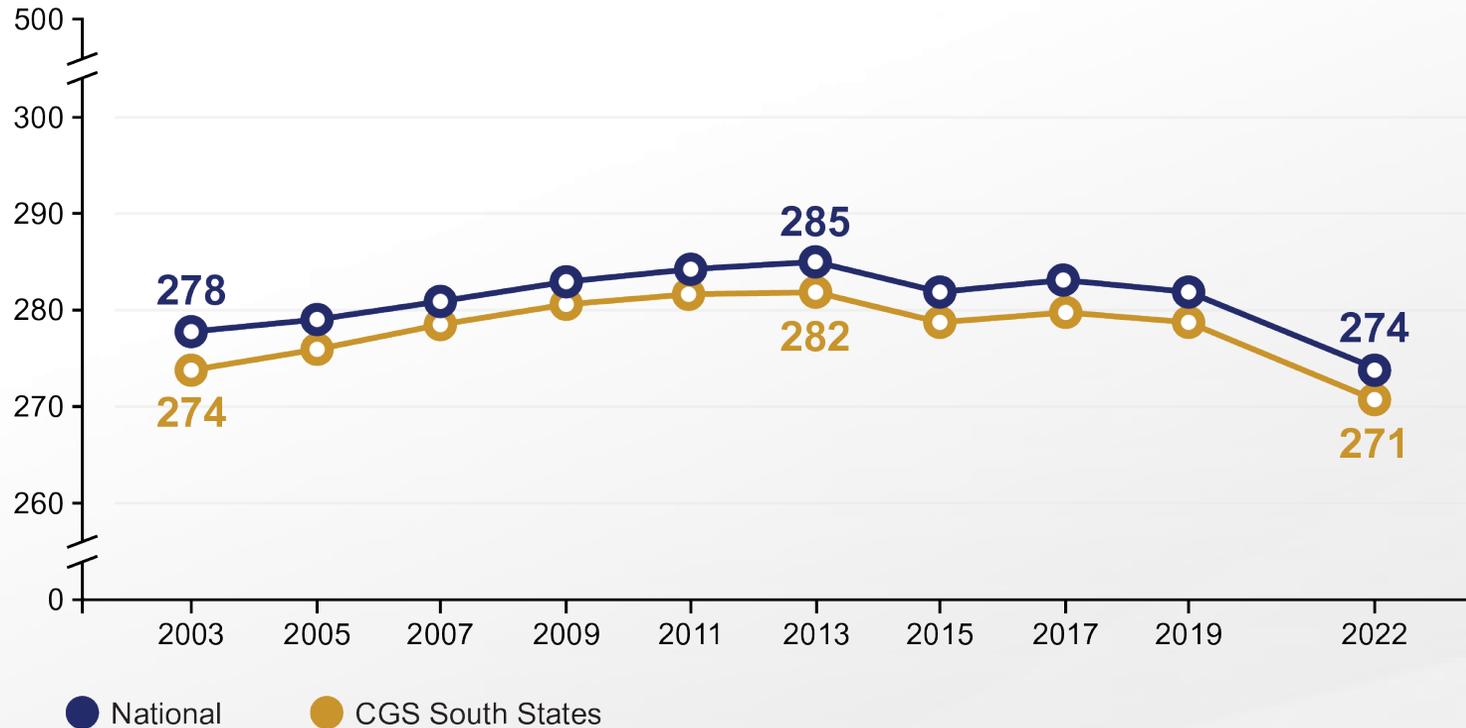
State Results by Magnitude (2022 vs 2019)



Source: Slide adapted from National Center for Education Statistics 2022 NAEP Mathematics results presentation

Grade 8 Mathematics Results Over Time

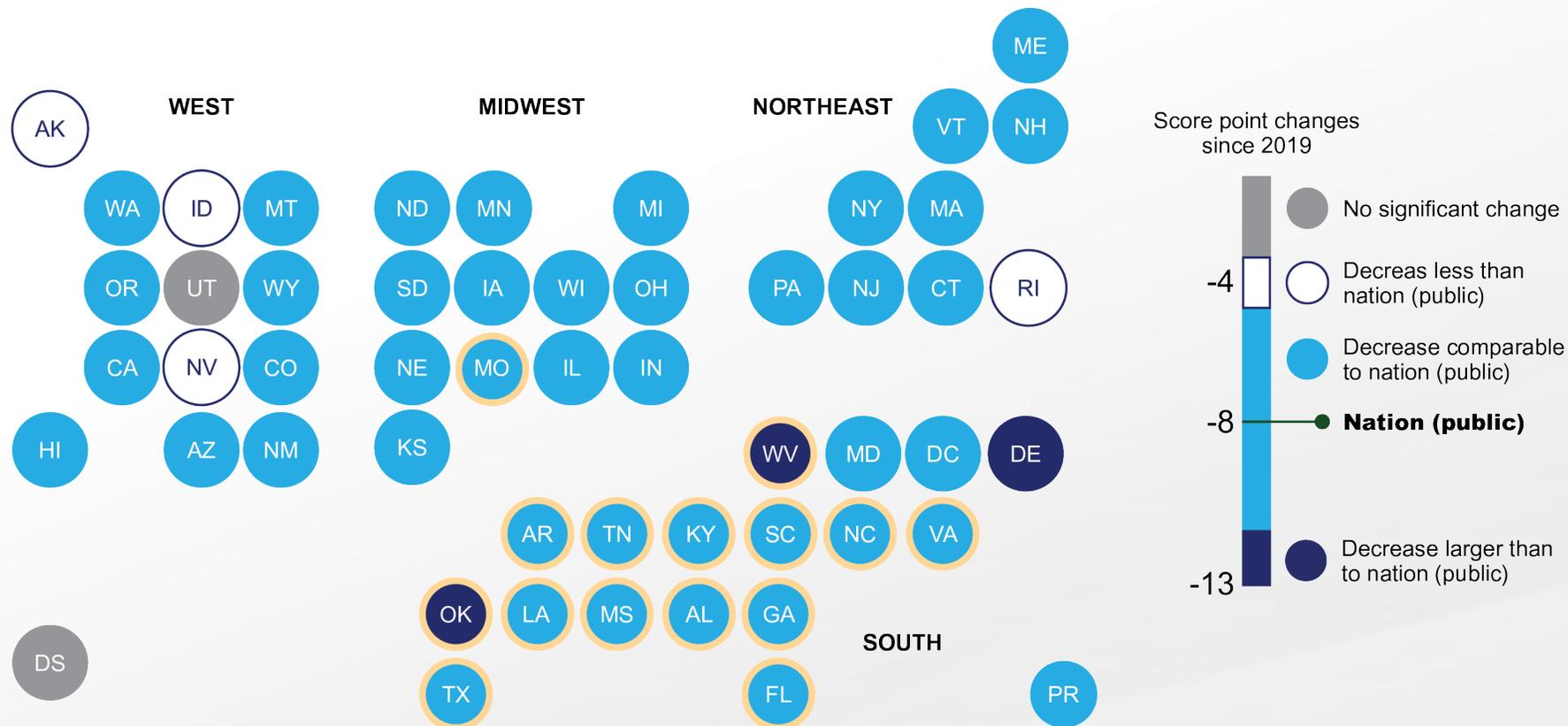
Average scale scores



Source: National Assessment of Educational Progress, 2003-2022 Mathematics

Grade 8 Mathematics

State Results by Magnitude (2022 vs 2019)



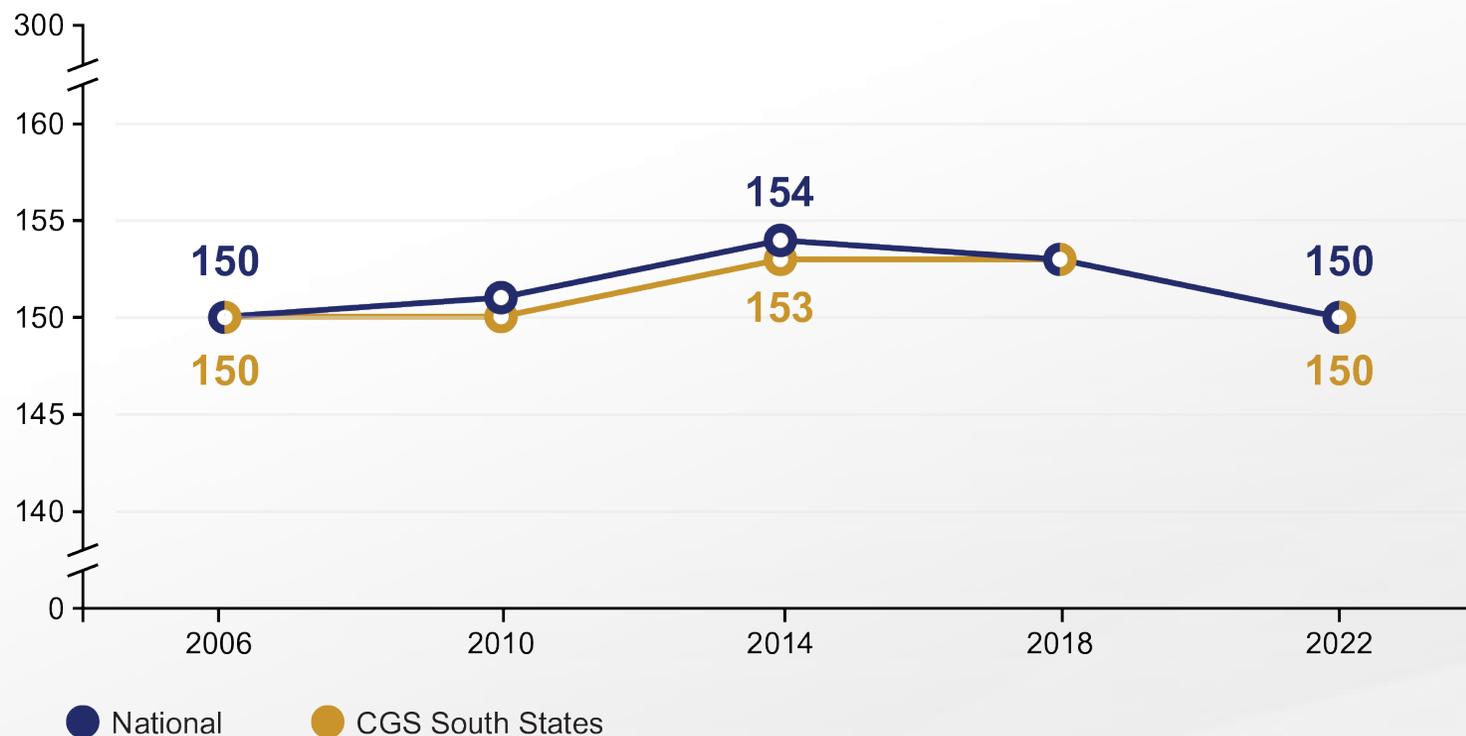
Source: Slide adapted from National Center for Education Statistics 2022 NAEP Mathematics results presentation



The Nation's Report Card **Civics Results**

Grade 8 Civics Results Over Time

Average scale scores

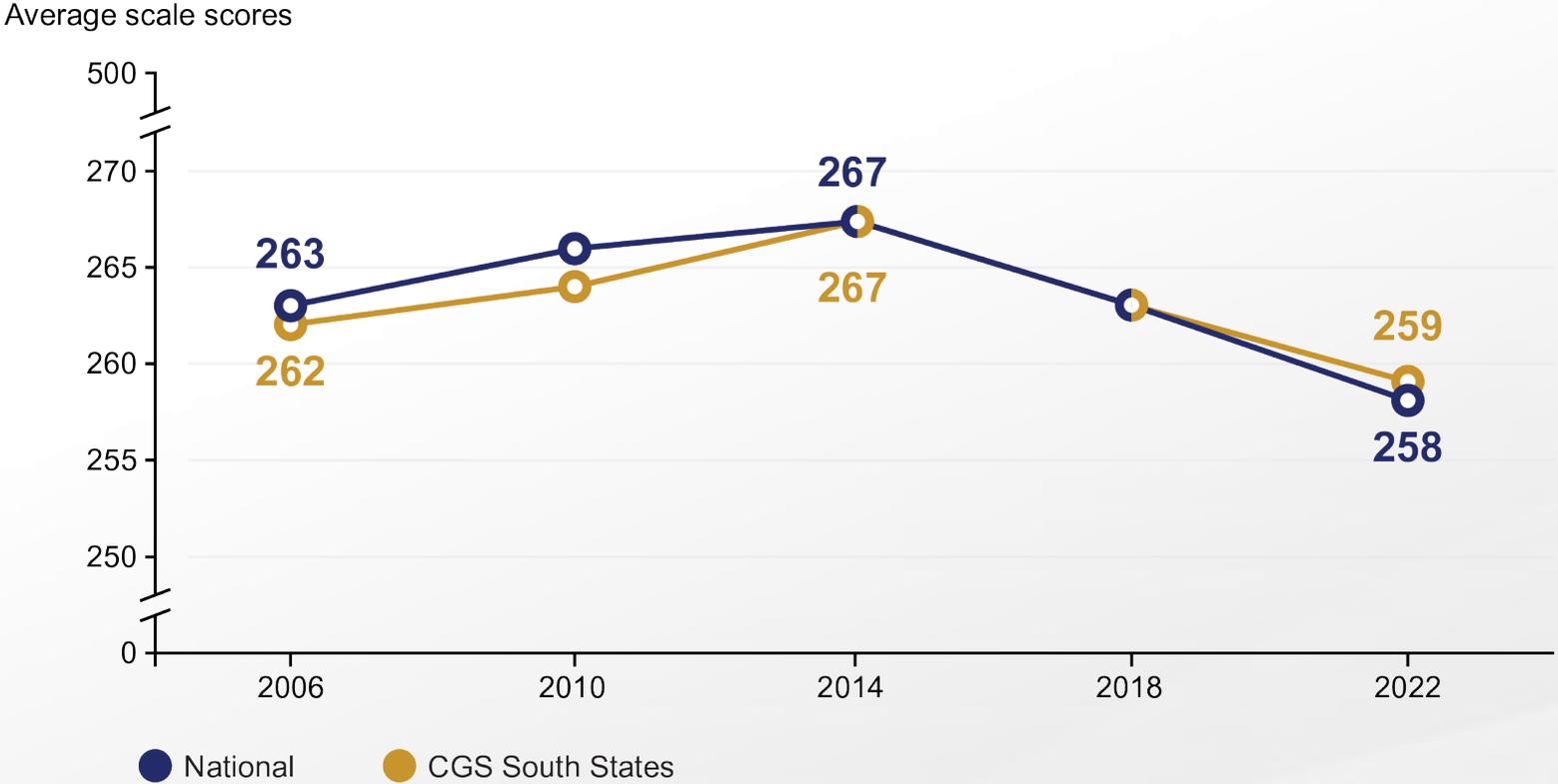


Source: National Assessment of Educational Progress 2006-2022 Civics Assessments



The Nation's Report Card
U.S. History Results

Grade 8 U.S. History Results Over Time



Source: National Assessment of Educational Progress, U.S. History

Beyond achievement findings

- **Teachers** report feeling less inspired and more overworked. They also report lacking confidence in helping students close knowledge and skill gaps.
- **Students** report low confidence in their civics knowledge and skills.
- Fewer students report taking classes that mainly focus on U.S. history.
- Fewer students report that they read for fun.
- More students report they are missing five or more days of school.



The Economic Cost of Learning Loss

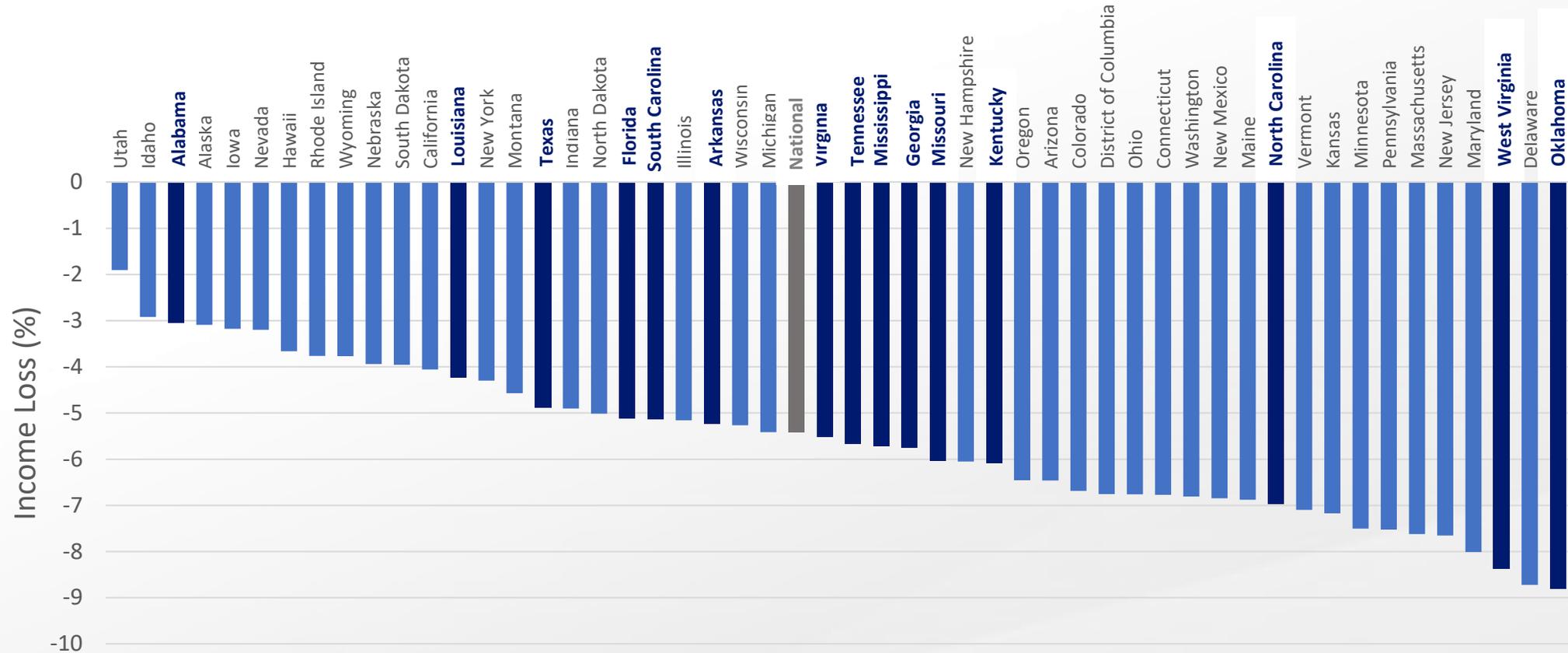
The aggregate impacts of learning losses are stunning.

Research recently published by economist and Governing Board member Eric A. Hanushek reveals:

- Individuals in COVID-cohort lose on average 5.6 percent.
 - Larger for disadvantaged.
- National loss is \$28 trillion.
- Losses are permanent unless schools get *better*.

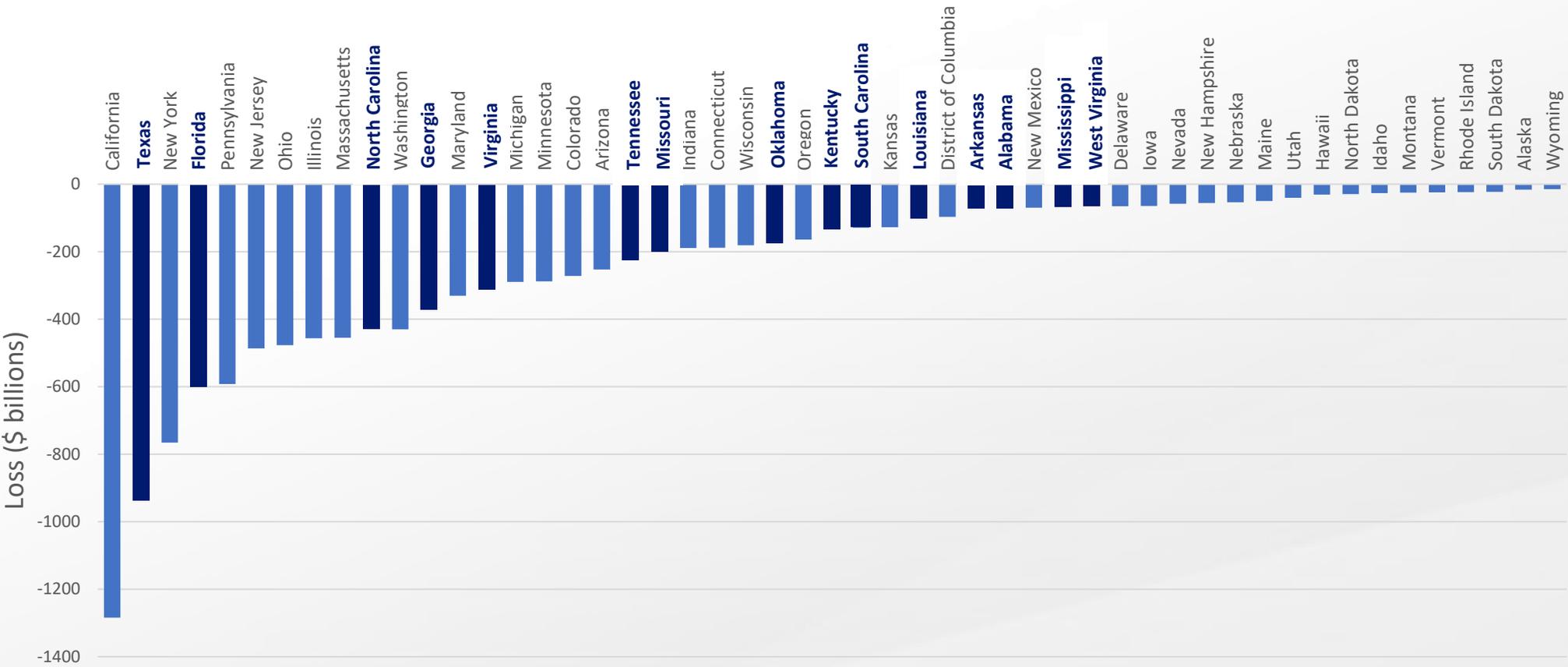
Source: Hanushek, E.A. (January 2023). *The Economic Cost of the Pandemic*, Stanford University.

The projected income loss for the COVID-cohort is significant— more in some states than others.



Source: Hanushek, E.A. (January 2023). *The Economic Cost of the Pandemic*, Stanford University.

Current value of total expected economic loss over the twenty-first century



Source: Hanushek, E.A. (January 2023). *The Economic Cost of the Pandemic*, Stanford University.



What Can Be Done?

A critical opportunity to use data to inform policy and practice.

- **Keep expectations high.**
- **Focus on early literacy** (and sustain reading growth through middle school).
- **Focus on high school math:** The 8th graders reflected in these assessments are now in high school.
- **Focus on student attendance.**
- **Ensure all students have access to highly-qualified teachers.**
- **Support educators,** especially on addressing student knowledge and skills gaps.

58% of students recalled experiencing remote learning last school year. What supports did those students have?

Had a desktop computer, laptop, or tablet all the time [\(full question\)](#) 



Had a quiet place to work at least some of the time [\(full question\)](#) 



Had their teacher available to help with schoolwork at least once or twice a week [\(full question\)](#) 



Proportion of **lower-performing students** (below 25th percentile)

Proportion of **higher-performing students** (at or above 75th percentile)



Resources

- Explore NAEP data at nationsreportcard.gov
- Learn about how states are using NAEP to improve education at nagb.gov



Questions?



Thank you!

nagb.gov

nationsreportcard.gov