



Overview of 2024 NAEP assessments

- Data collected from January – March 2024
- National, state, large urban district samples
 - ❖ 235,000 grade 4 students participated from approximately 6,100 schools
 - ❖ 230,000 grade 8 students participated from approximately 5,400 schools
- Reported as
 - ❖ Average scores on NAEP mathematics and NAEP reading scales ranging from 0 to 500
 - ❖ Five selected percentiles (10th, 25th, 50th, 75th, and 90th)
 - ❖ NAEP achievement levels (*NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*)
- School, teacher, and student survey questions
 - ❖ Included questions about absenteeism and how educators addressed educational recovery

Timeline of students who were **fourth-** and **eighth-graders** in 2024

Grade 4

Grade 5

Grade 8

K

Grade 1

Grade 4



2019-20

2020-21

2021-22

2022-23

2023-24



Lower mathematics and reading scores compared to 2019

Mathematics

FROM 2019 to 2024

	<u>25th Percentile</u>	<u>Average</u>	<u>75th Percentile</u>
Grade 4	↓ 5 pts	↓ 3 pts	◊
Grade 8	↓ 10 pts	↓ 8 pts	↓ 6 pts

Reading

	<u>25th Percentile</u>	<u>Average</u>	<u>75th Percentile</u>
Grade 4	↓ 8 pts	↓ 5 pts	↓ 3 pts
Grade 8	↓ 7 pts	↓ 5 pts	↓ 3 pts



Significantly lower ($p < .05$) than 2019



No significant difference ($p < .05$) from 2019



Lower mathematics and reading scores compared to 2019 for Bureau of Indian Education except grade 8 reading

Mathematics

FROM 2019 to 2024

	<u>25th Percentile</u>	<u>Average</u>	<u>75th Percentile</u>
Grade 4	↓ 14 pts	↓ 9 pts	◇ -7 pts
Grade 8	↓ 15 pts	↓ 12 pts	◇ -9 pts

Reading

	<u>25th Percentile</u>	<u>Average</u>	<u>75th Percentile</u>
Grade 4	↓ 9 pts	↓ 7 pts	↓ 6 pts
Grade 8	↓ 7 pts	◇ -3 pts	◇ 0 pts



Significantly lower ($p < .05$) than 2019



No significant difference ($p < .05$) from 2019



Grade 4 AI/AN mathematics average score changes 2022-2024

Nation (public) 🔍

no significant change



States/jurisdictions

0

decreased



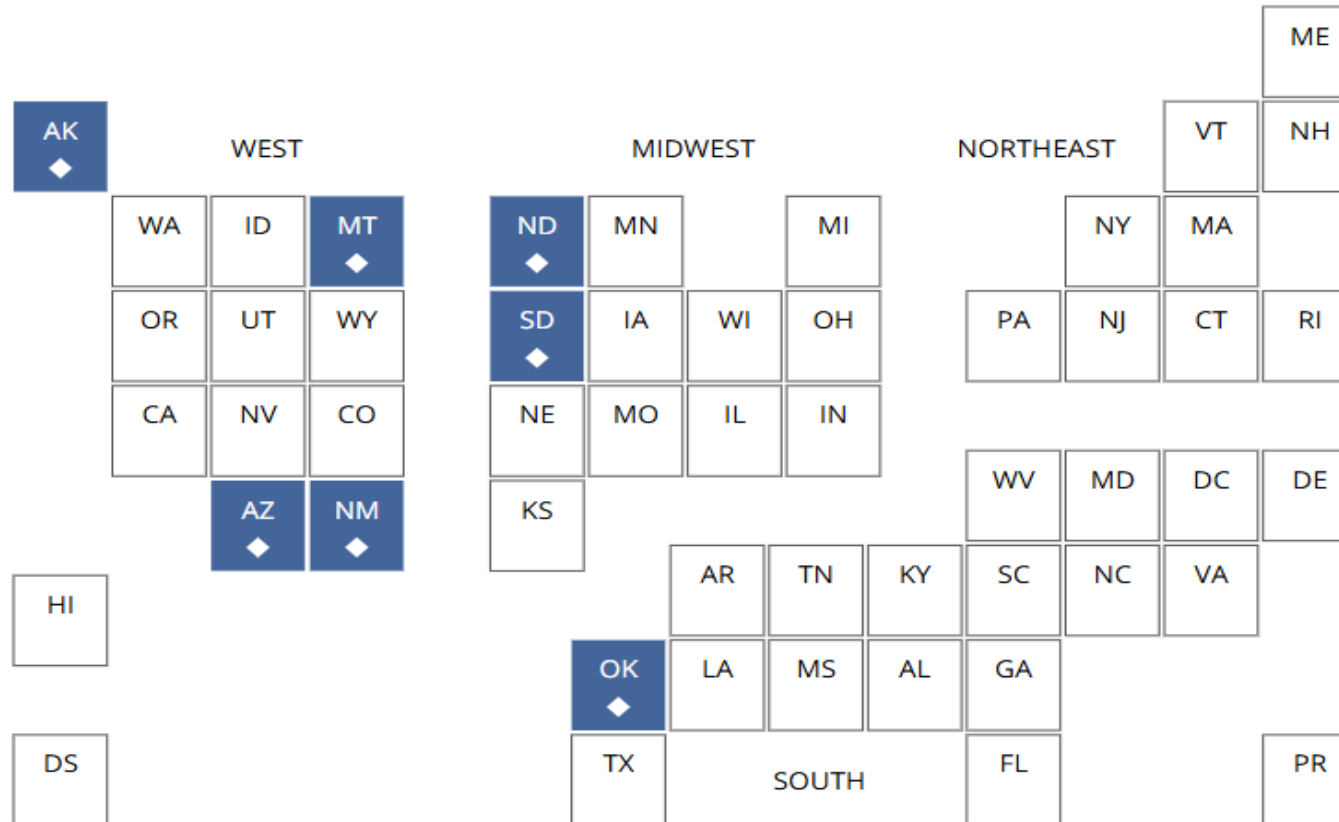
7

no significant change



0

increased



No data or not applicable



Grade 8 AI/AN mathematics average score changes 2022-2024

Nation (public) 🔍

no significant change



1

decreased



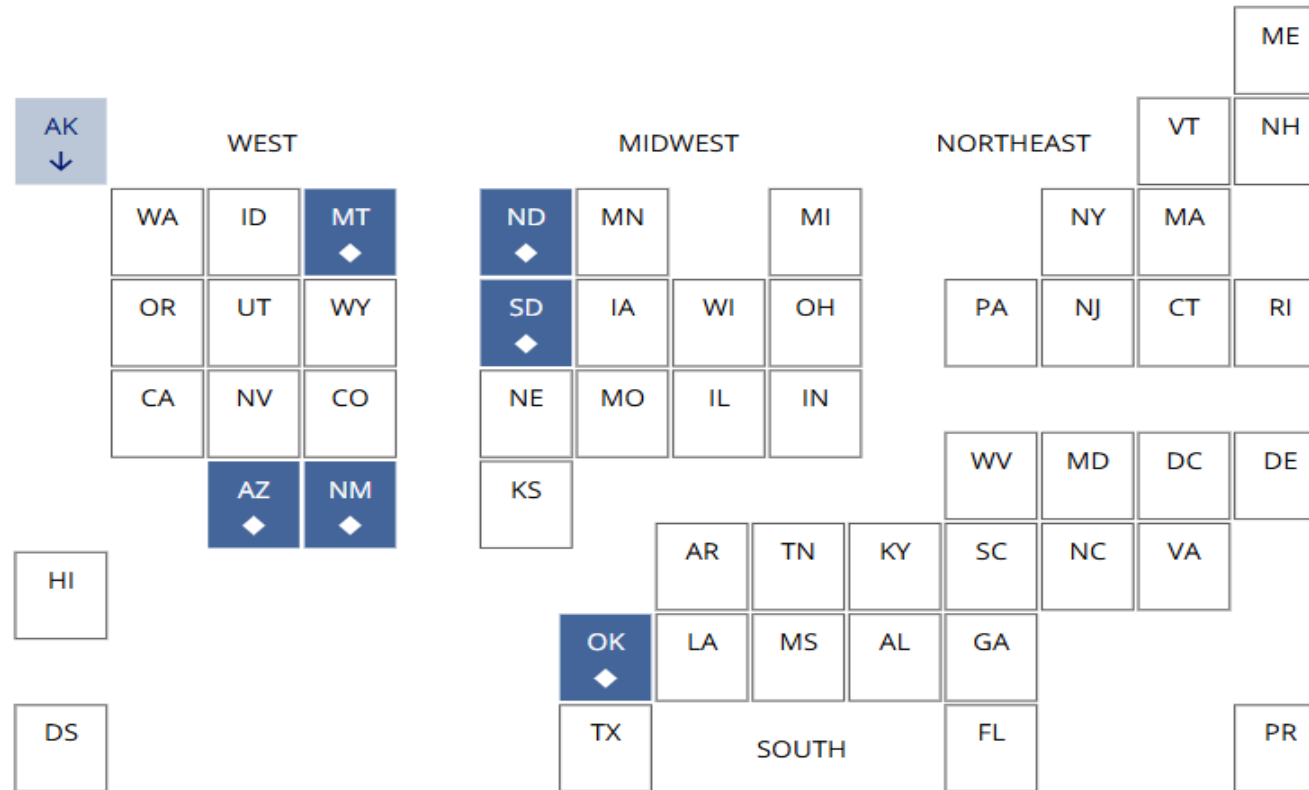
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
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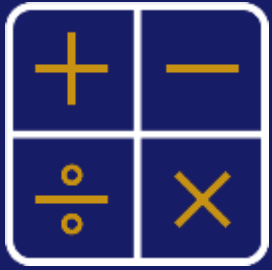


0

increased



 No data or not applicable



Mathematics Summary 2019-2024





Score trends 2019-2024

	Grade 4			Grade 8		
	19-22	22-24	19-24	19-22	22-24	19-24
American Indian/Alaska Native	↓ 6	◆	↓ 9	◆	◆	↓ 10
Asian	↓ 4	◆	↓ 4	↓ 7	◆	↓ 5
Black	↓ 7	↑ 3	↓ 4	↓ 7	◆	↓ 8
Hispanic	↓ 7	↑ 3	↓ 4	↓ 7	↓ 2	↓ 10
Native Hawaiian/Other Pacific Islander	◆	◆	◆	◆	◆	↓ 7
Two or More Races	↓ 5	◆	↓ 3	↓ 10	◆	↓ 8
White	↓ 3	↑ 1	↓ 2	↓ 8	◆	↓ 7

NOTE: Arrow indicates significant difference ($p < .05$). Diamond indicates no significant change.



Score trends 2019-2024

Grade 4

Nation (public)

22

29

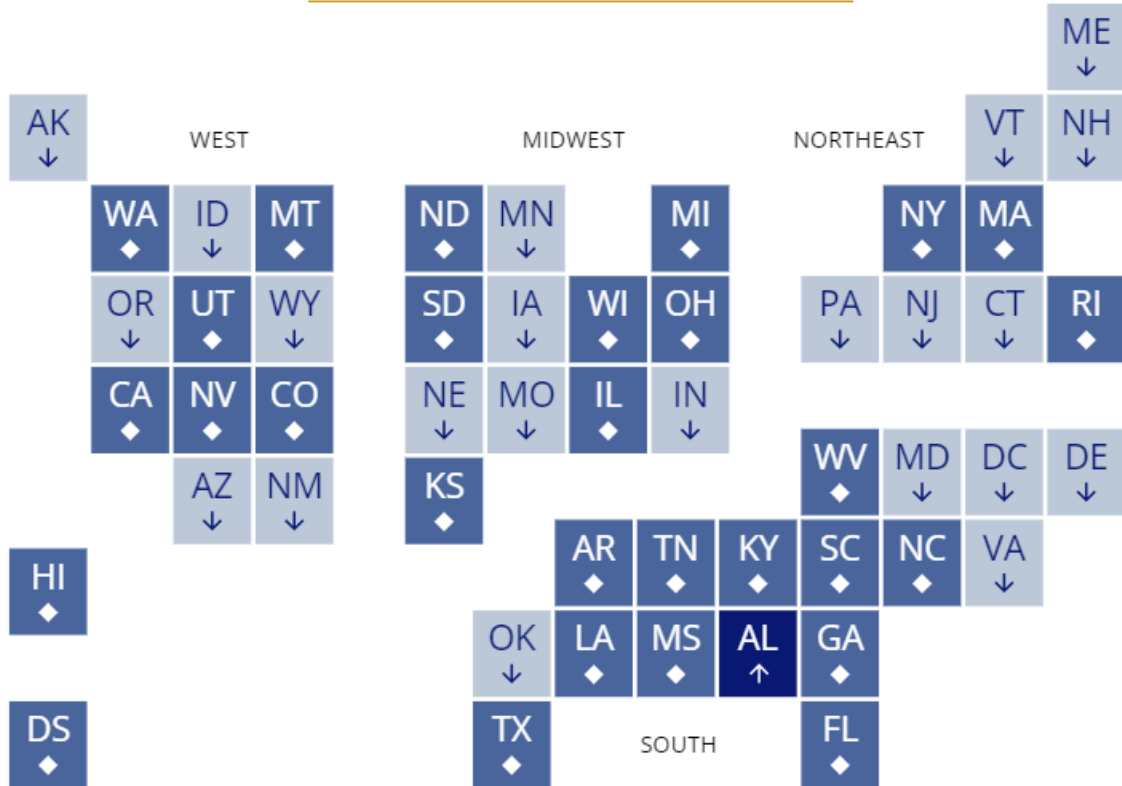
1

decreased

no significant change

increased

↓ 3 pts



Grade 8

Nation (public)

50

2

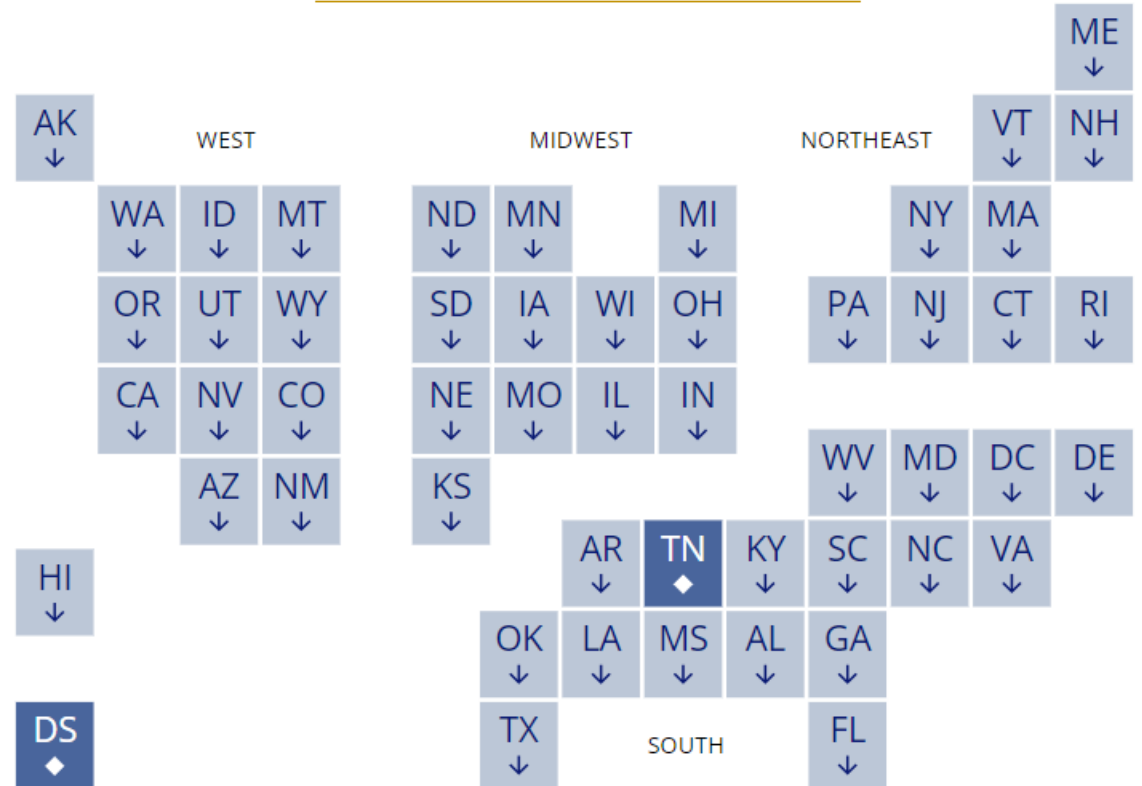
0

decreased

no significant change

increased

↓ 9 pts



Grade 4 AI/AN mathematics average score changes 2019-2024

Nation (public) 🔍

decreased



States/jurisdictions

3

decreased



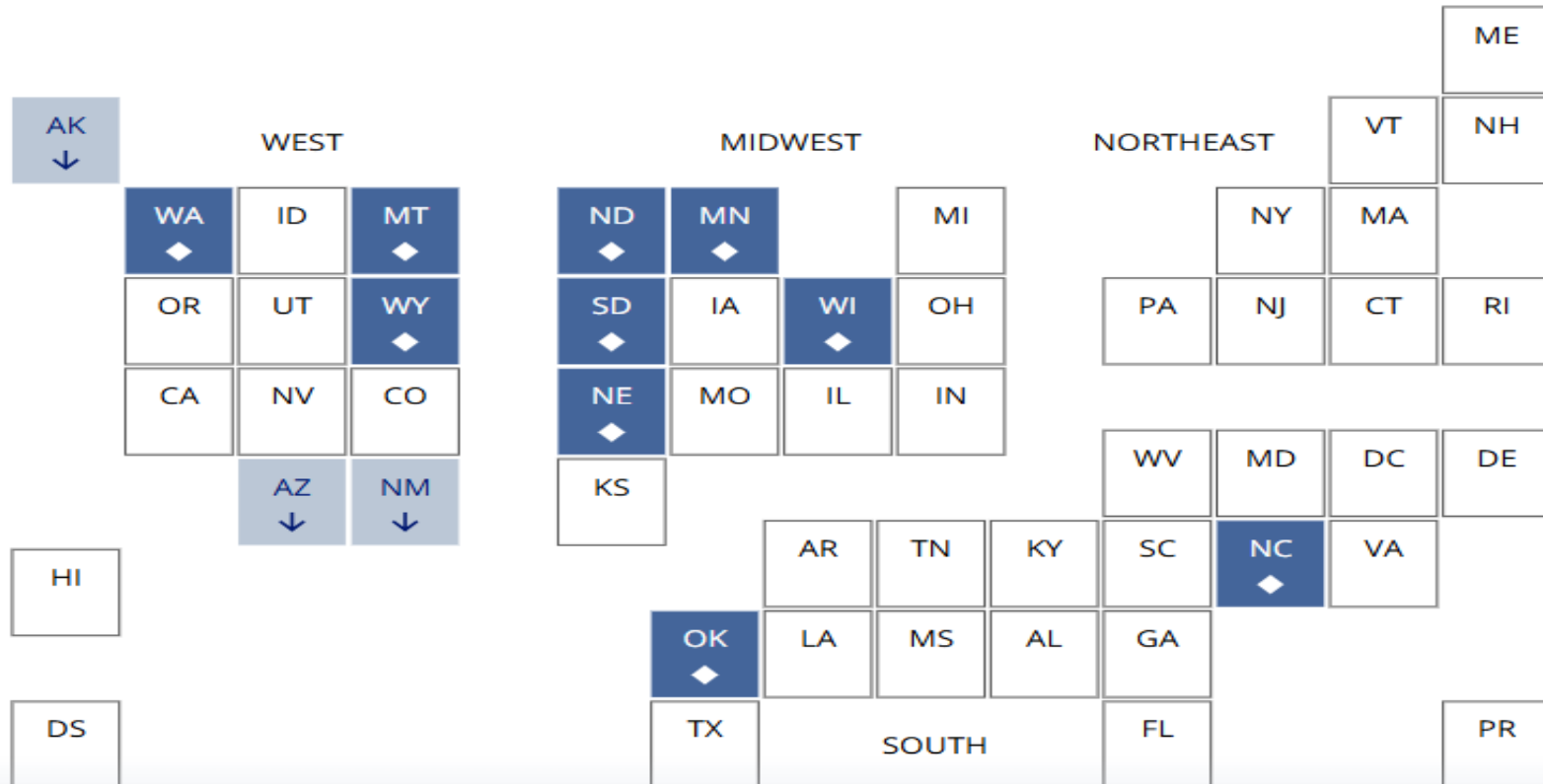
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no significant change

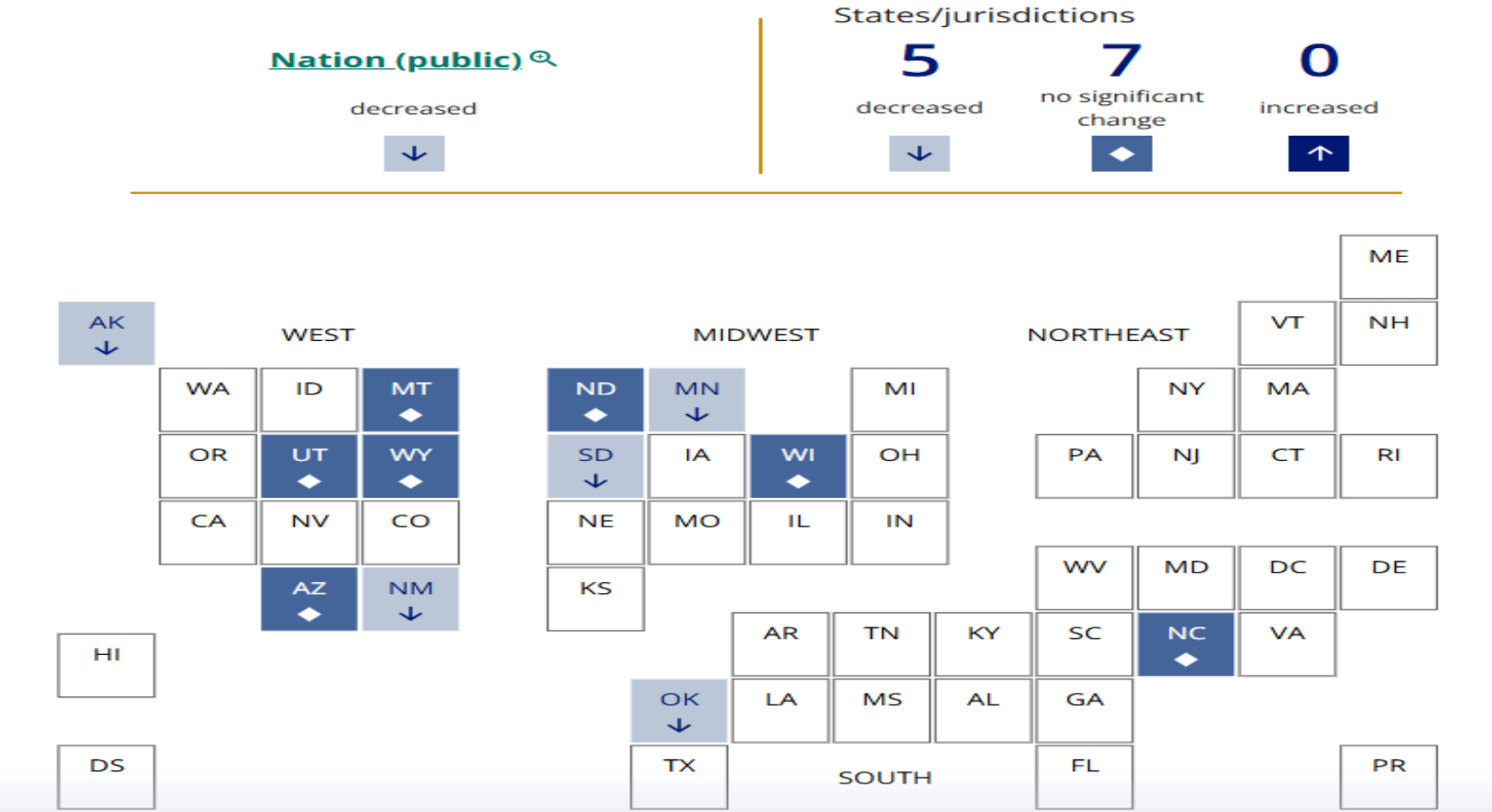


0

increased



Grade 8 AI/AN mathematics average score changes 2019-2024





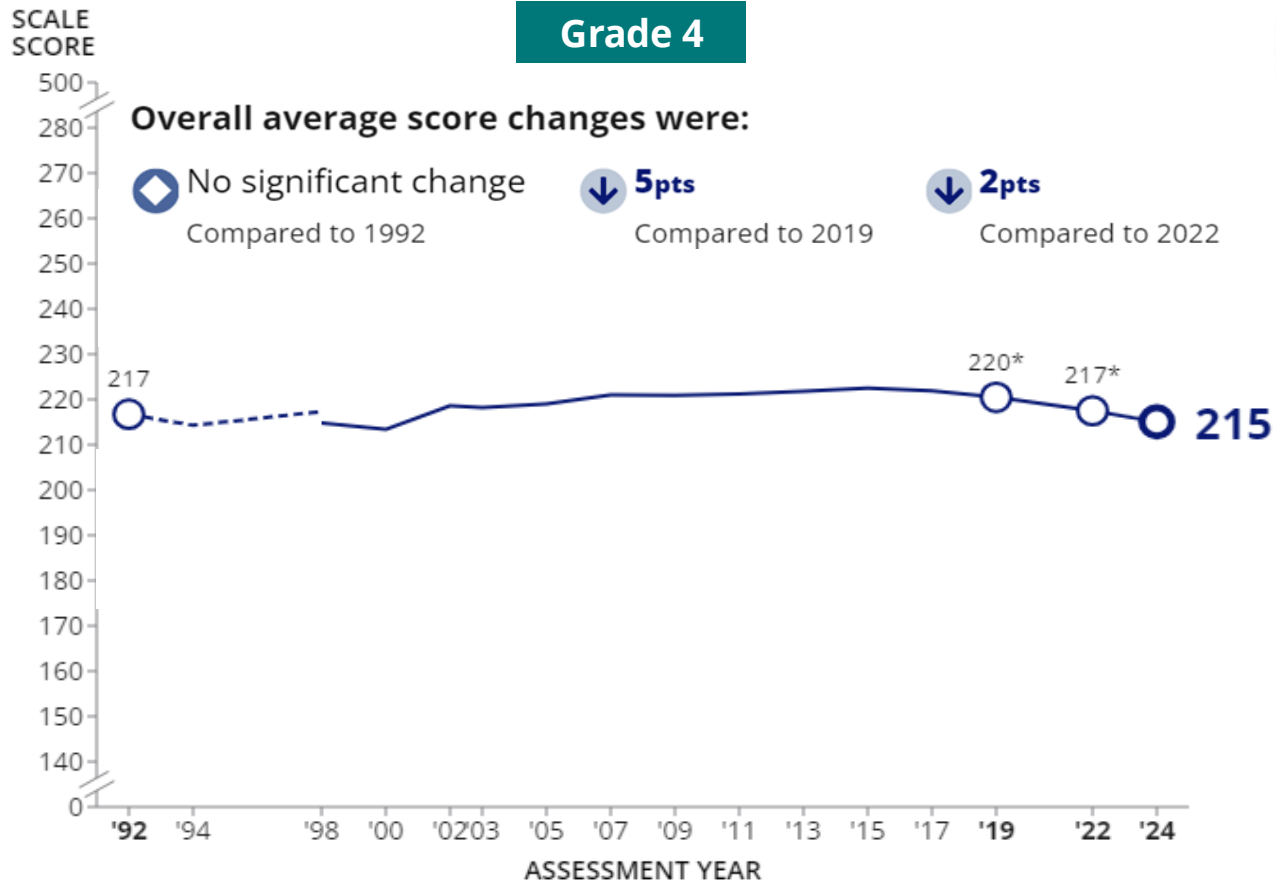
Reading National Trends



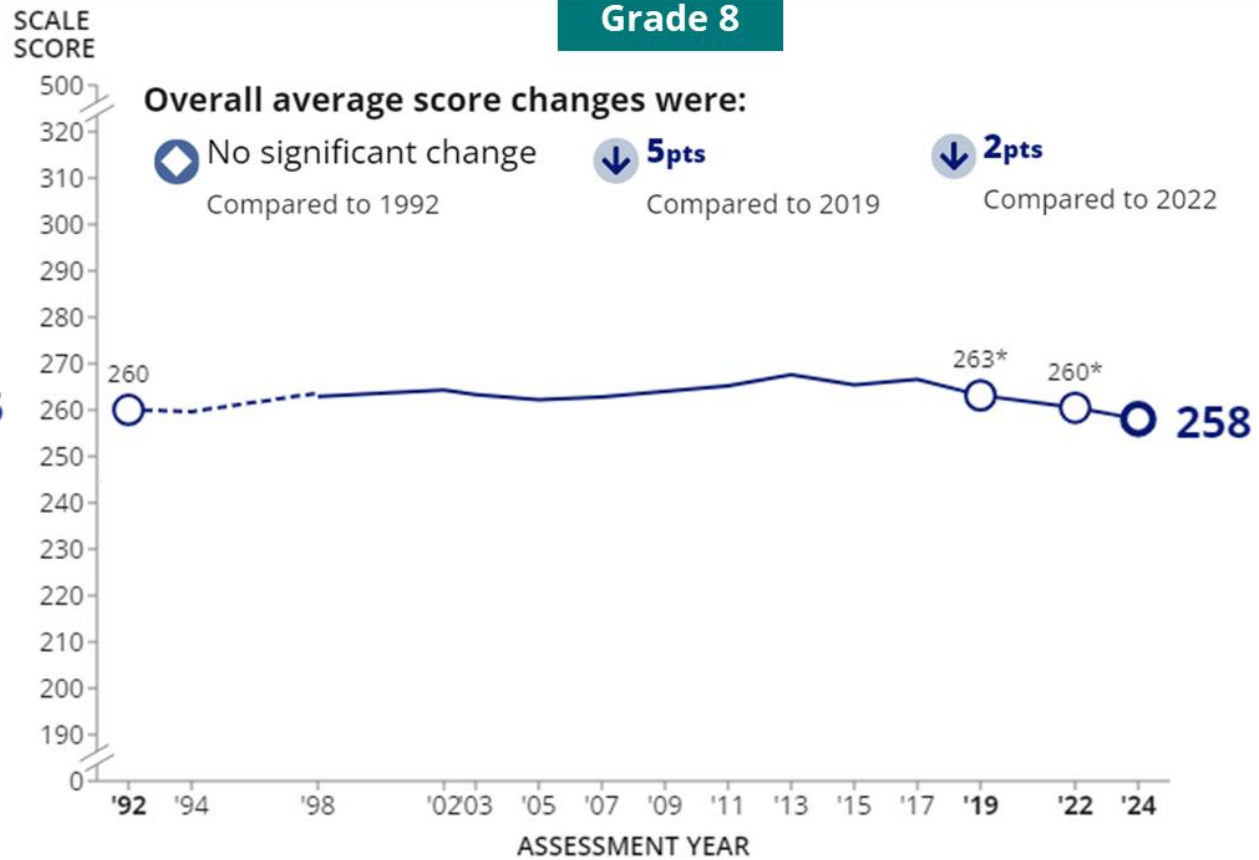


Average scores decrease at both grades

Grade 4



Grade 8



----- Accommodations not permitted

———— Accommodations permitted

* Significantly different ($p < .05$) from 2024.



Scores decrease for Asian, Hispanic, and White students and students of Two or More Races

Group	Grade 4		Grade 8	
	2024 Score	Change from 2022	2024 Score	Change from 2022
American Indian/Alaska Native	195		246	
Asian	237		282	
Black	199		243	
Hispanic	203		245	
Native Hawaiian/Other Pacific Islander	207		251	
Two or More Races	220		263	
White	225		267	

NOTE: Arrow indicates significant difference ($p < .05$) in 2024. Diamond indicates no significant change in 2024.



Reading State and District Trends





Grade 4 reading average score changes 2022-2024

5

decreased



47

no significant change



0

increased

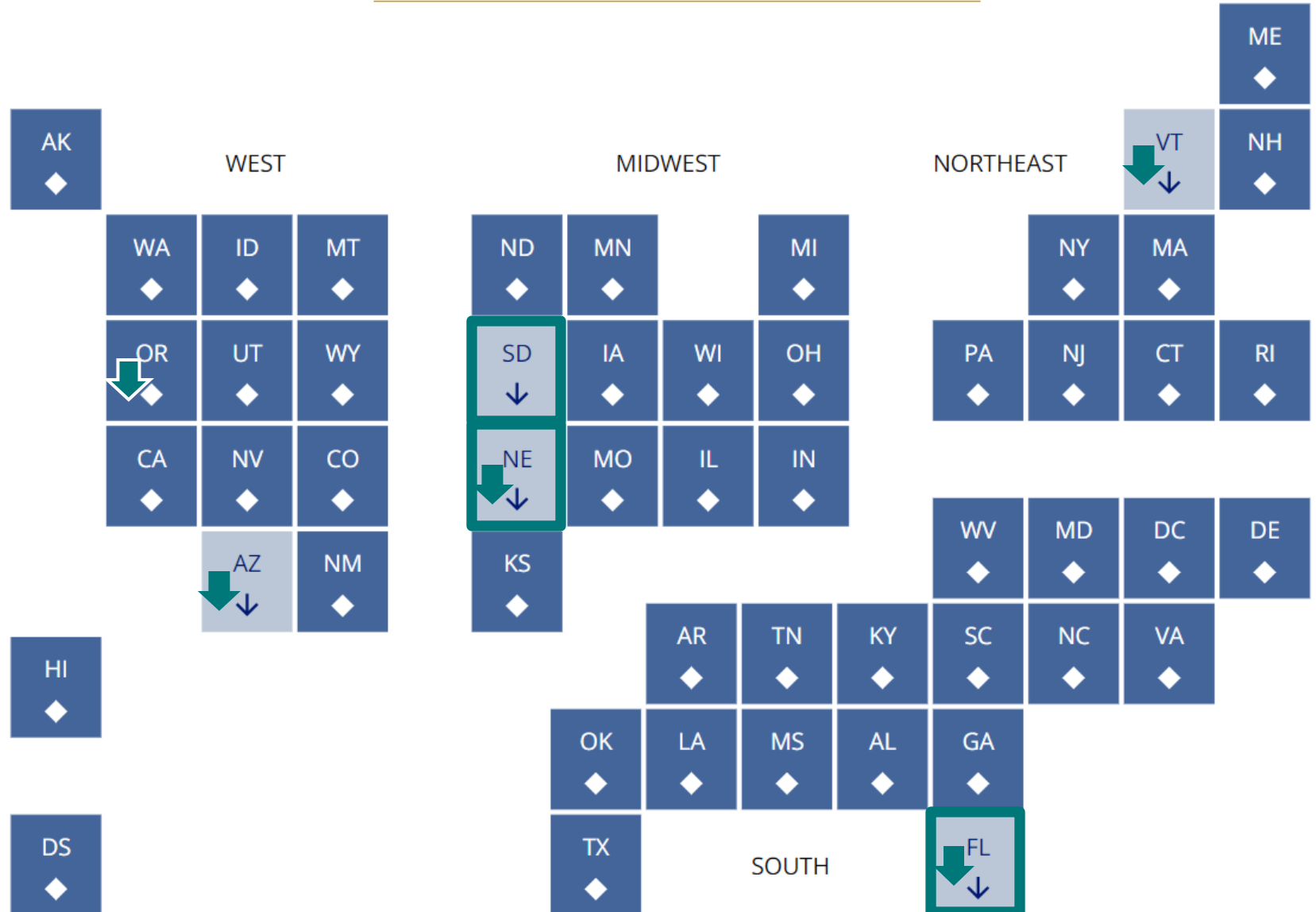


Nation (public)

↓ 2 pts

Decrease at 75th percentile

Decrease at 25th percentile





Grade 4 AI/AN reading average score changes 2022-2024

Nation (public) 🔍

no significant change



0

decreased



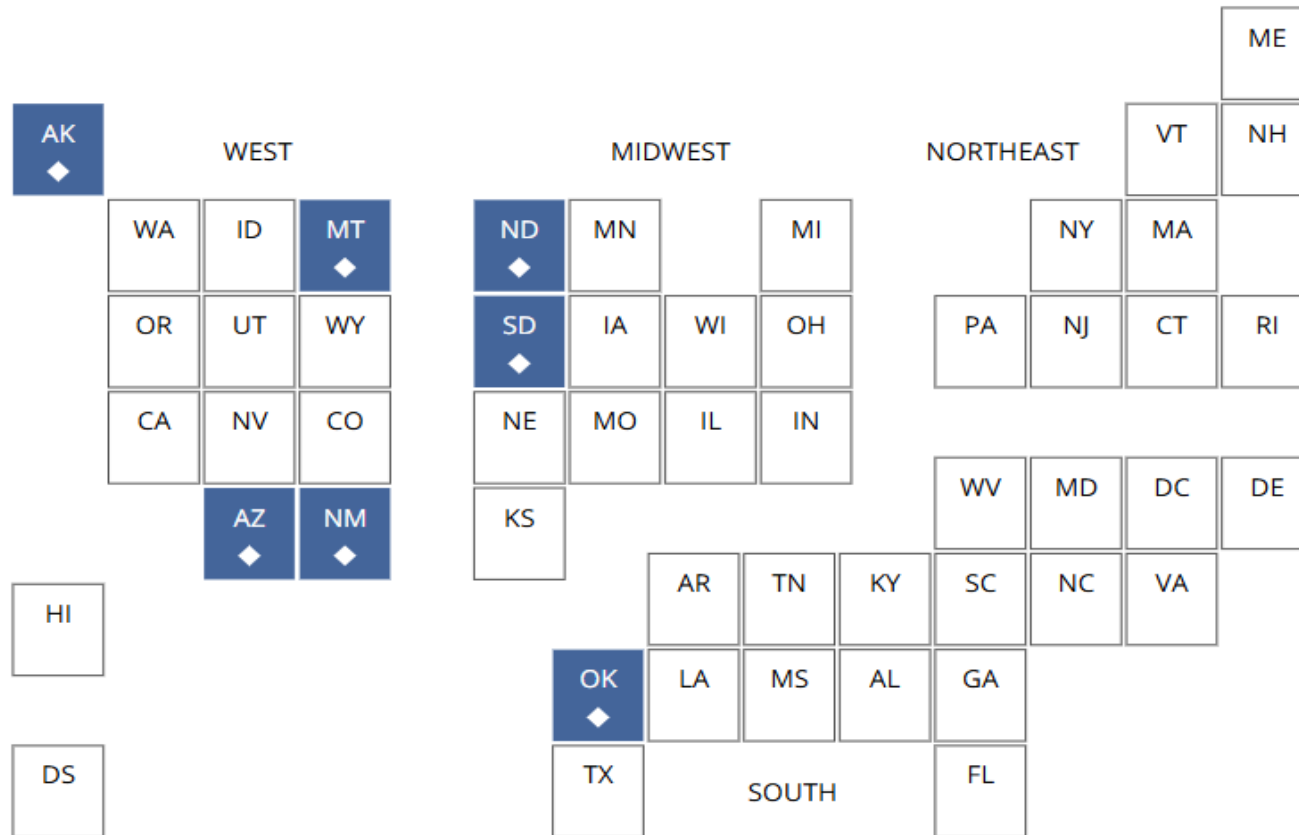
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no significant change



0

increased



No data or not applicable



Grade 8 reading average score changes 2022-2024

8

decreased



44

no significant change



0

increased

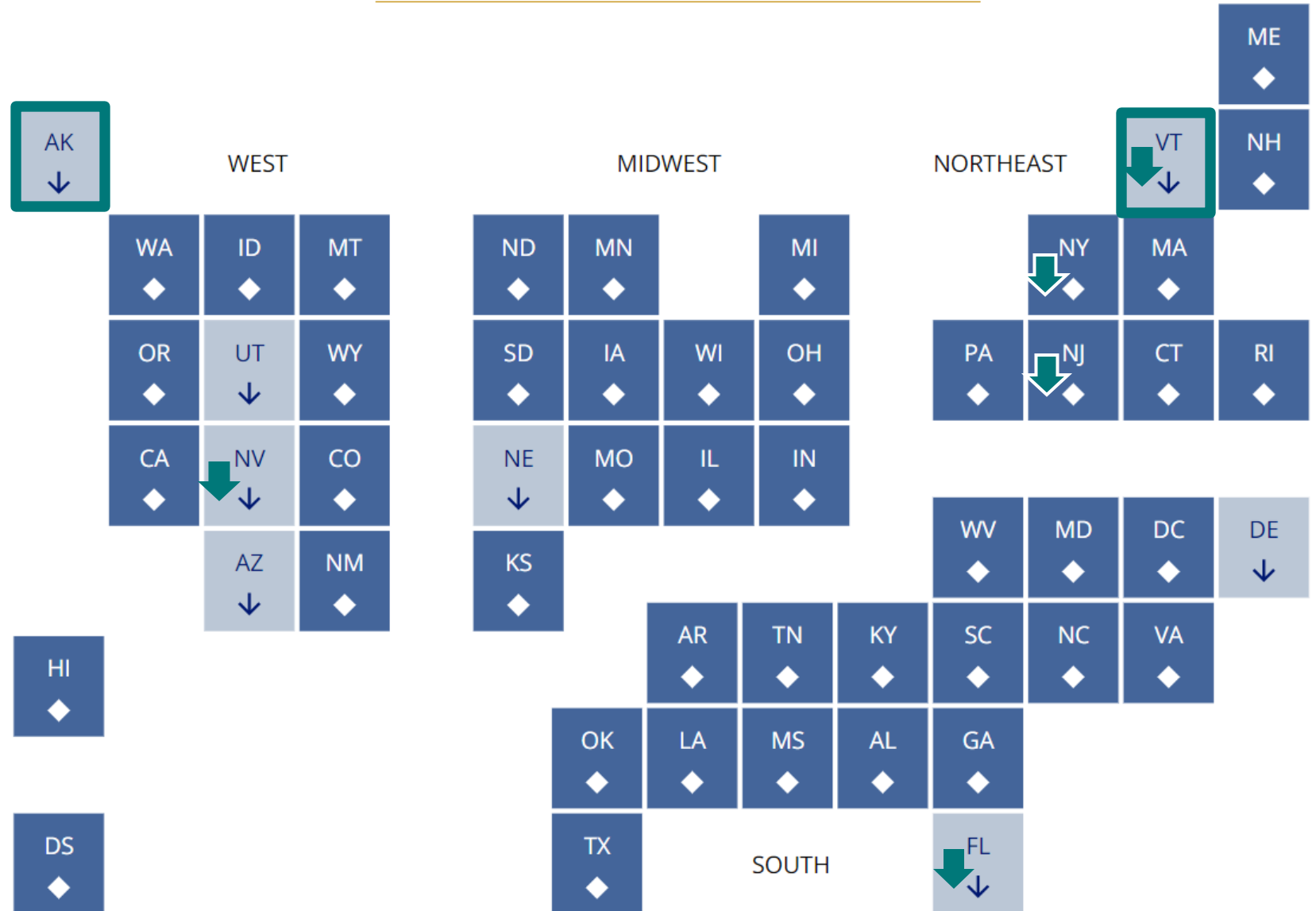


Nation (public)

↓ 2 pts

Decrease at 75th percentile

Decrease at 25th percentile





Grade 8 AI/AN reading average score changes 2022-2024

Nation (public) 🔍

no significant change



0

decreased



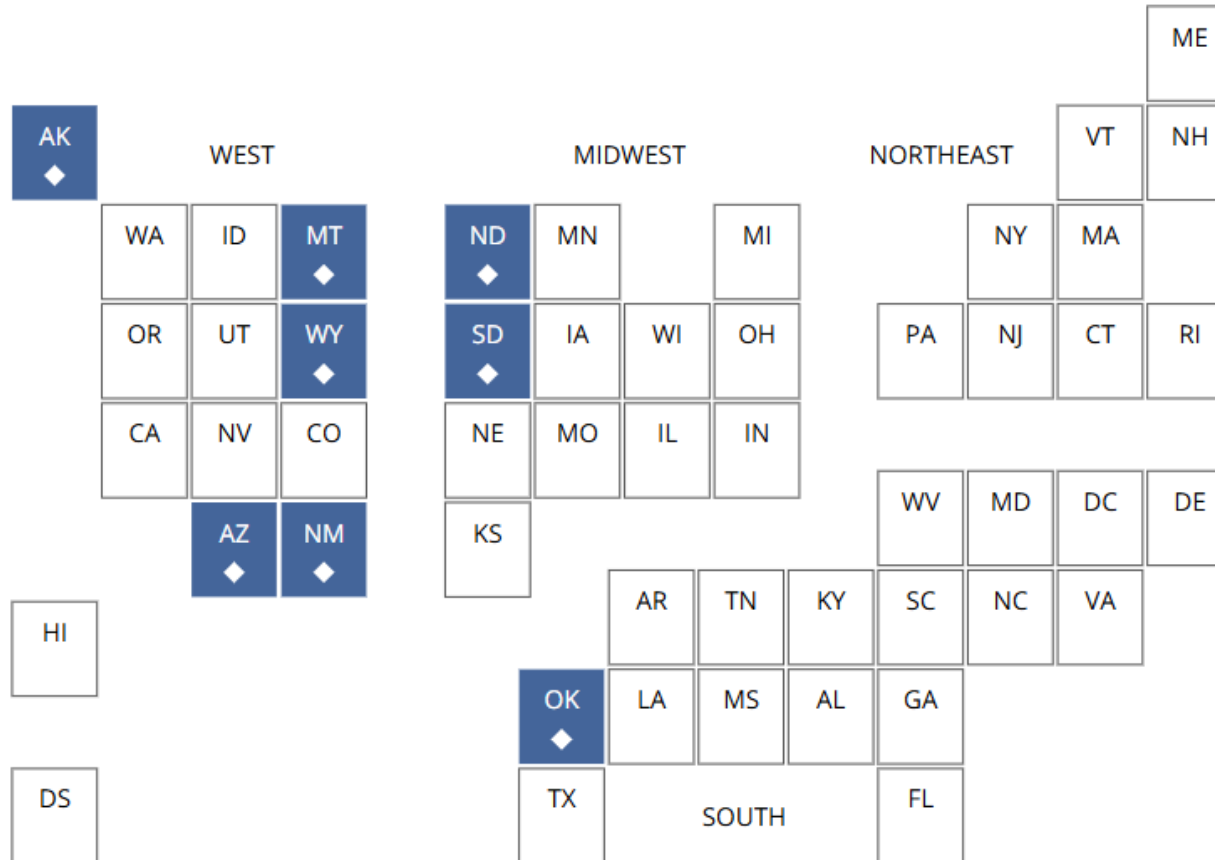
8

no significant change



0

increased



No data or not applicable



Reading Summary 2019-2024





Score trends 2019-2024

	Grade 4			Grade 8		
	19-22	22-24	19-24	19-22	22-24	19-24
American Indian/Alaska Native	↓ 7	◇	↓ 9	◇	◇	◇
Asian	◇	↓ 5	◇	◇	◇	◇
Black	↓ 5	◇	↓ 4	◇	◇	◇
Hispanic	↓ 4	◇	↓ 6	◇	↓ 5	↓ 6
Native Hawaiian/Other Pacific Islander	◇	◇	◇	◇	◇	◇
Two or More Races	◇	↓ 3	↓ 6	◇	◇	◇
White	↓ 3	↓ 2	↓ 6	↓ 4	↓ 1	↓ 5

NOTE: Arrow indicates significant difference ($p < .05$). Diamond indicates no significant change.



Score trends 2019-2024

Grade 4

Nation (public)

39

12

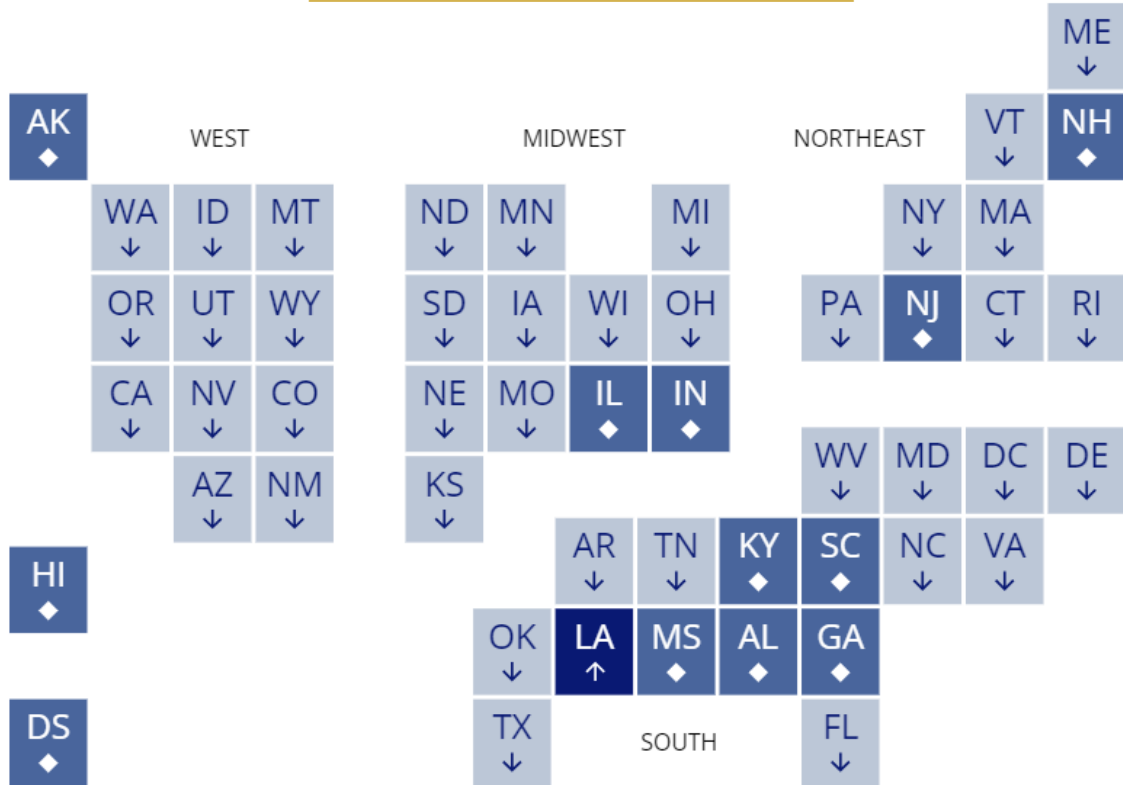
1

decreased

no significant change

increased

↓ 5 pts



Grade 8

Nation (public)

38

14

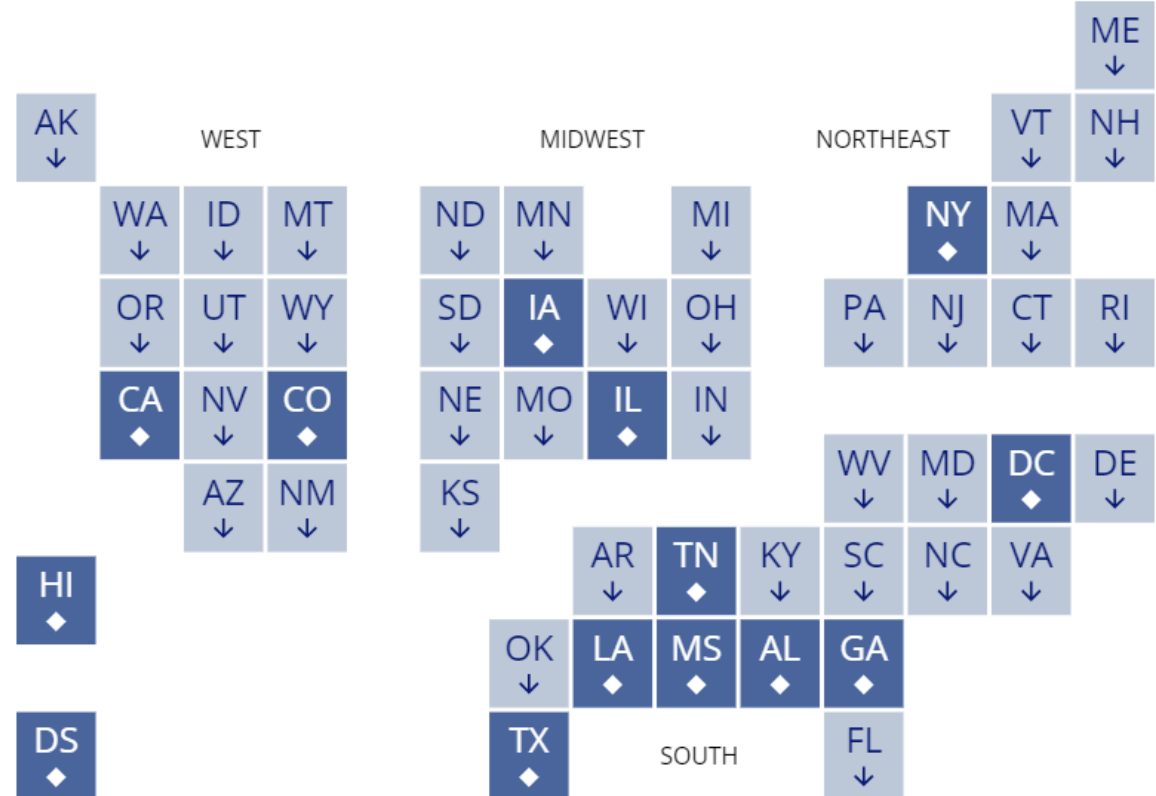
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decreased

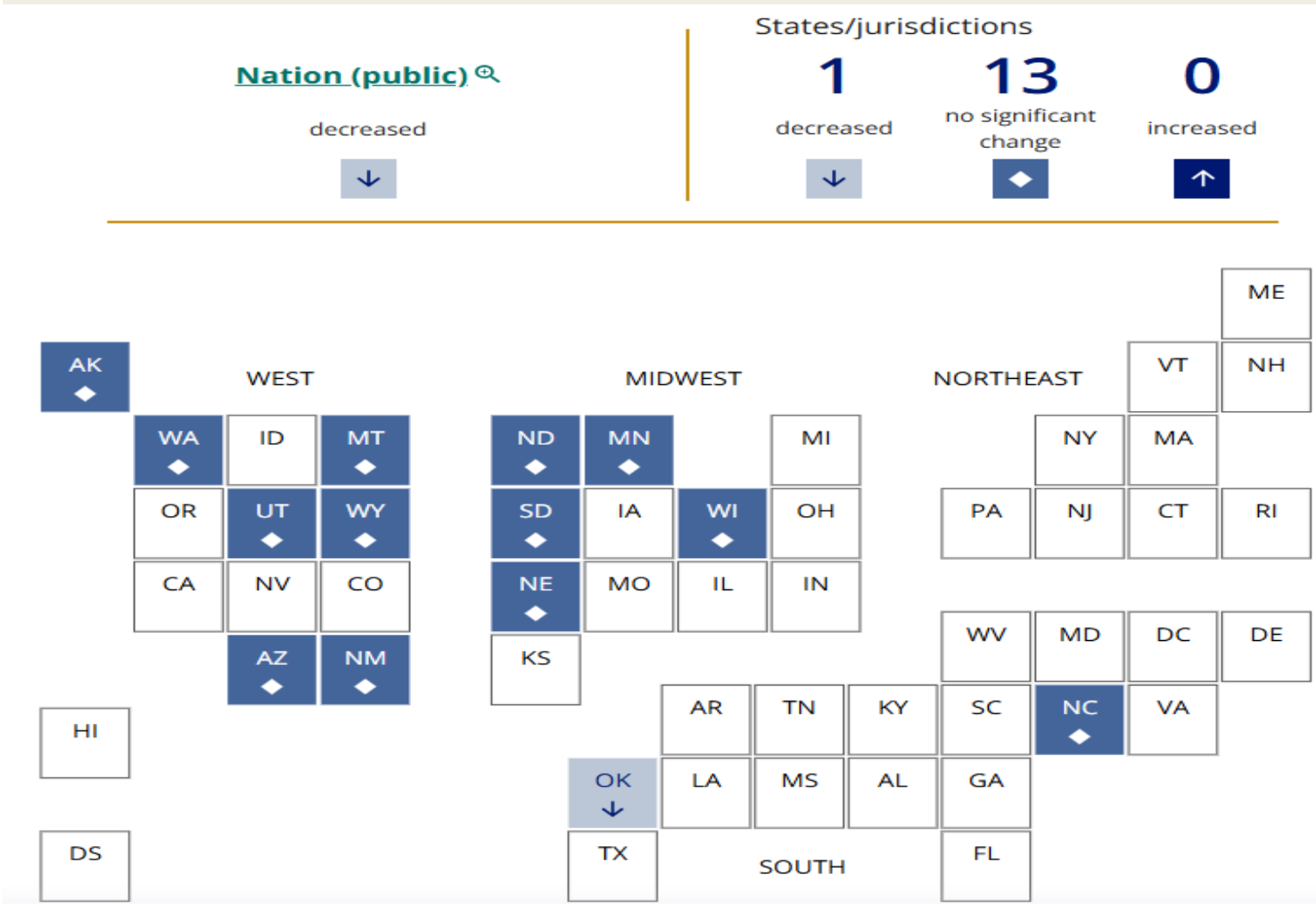
no significant change

increased

↓ 5 pts



Grade 4 AI/AN reading average score changes 2019-2024



Grade 8 AI/AN reading average score changes 2019-2024

Nation (public) 🔍

no significant change



States/jurisdictions

3

decreased



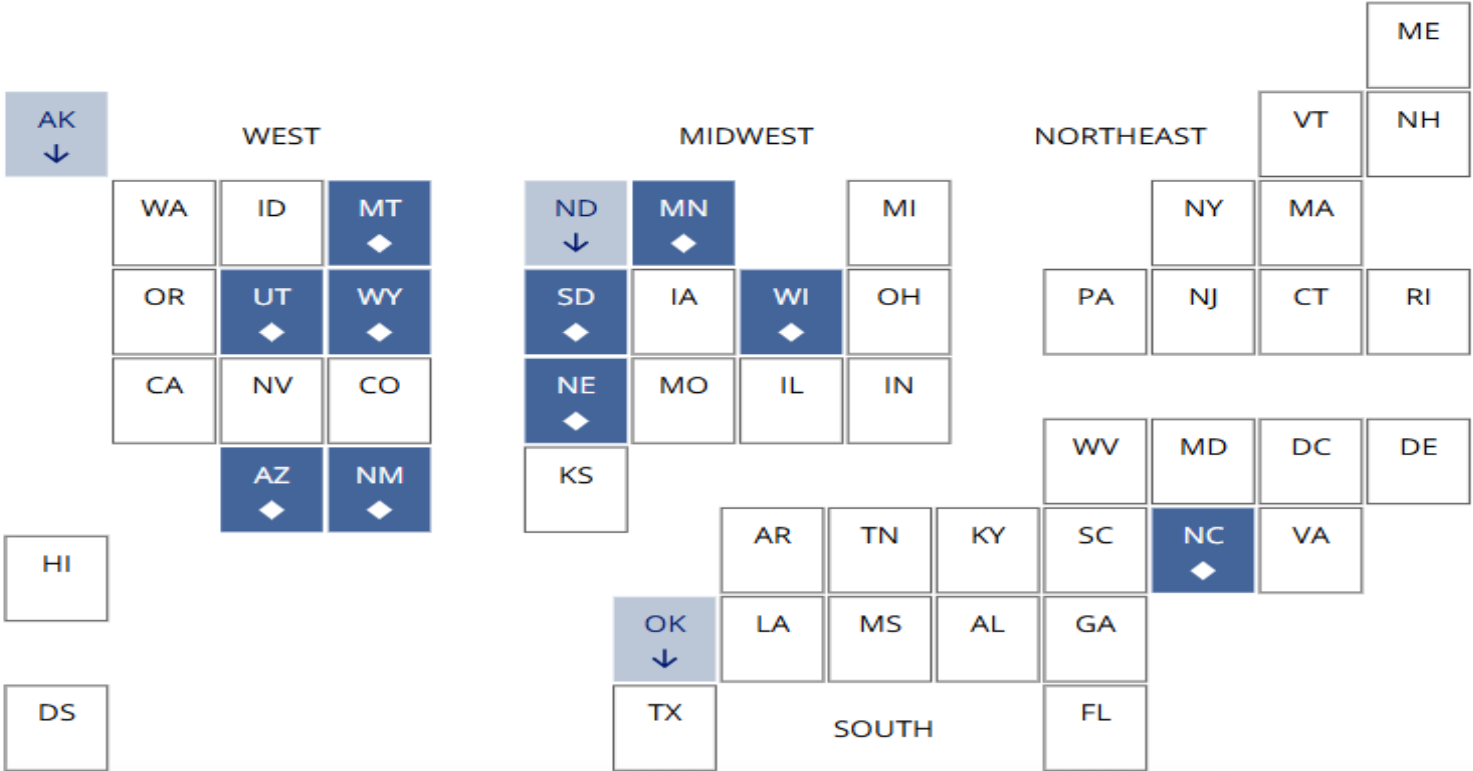
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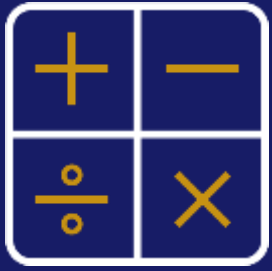
no significant change



0

increased





Key Takeaways for OIE and BIE

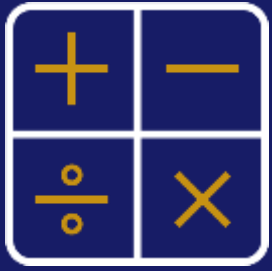


Fourth grade **AI/AN** students by school type and select student characteristics

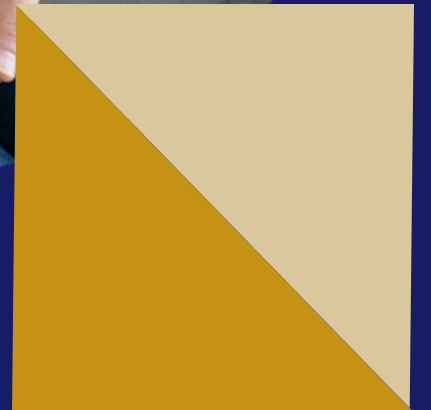
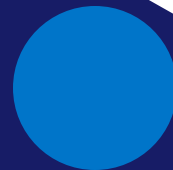
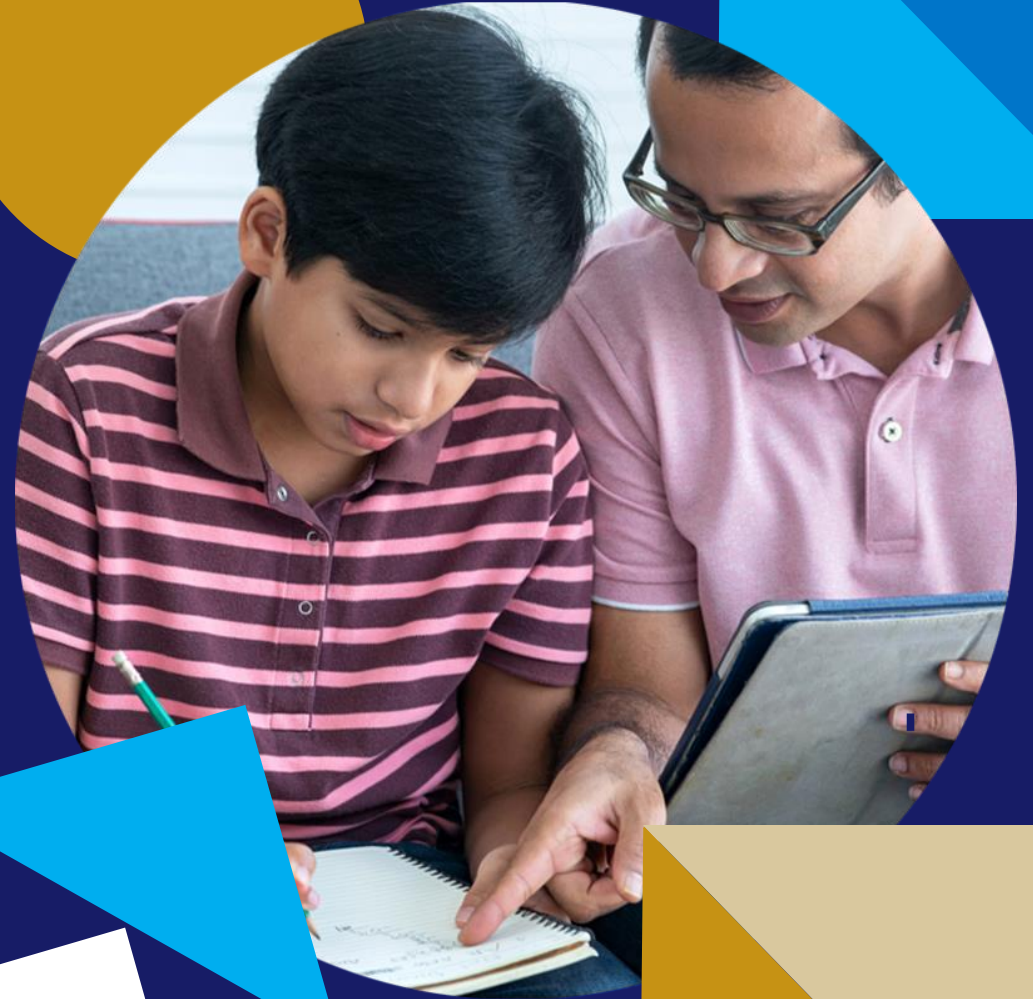
Grade and Student Characteristic	National	All AI/AN	BIE School
Grade 4			
Attend City Schools	29	15	#
Attend Suburban Schools	40	16	4
Attend Town Schools	10	22	6
Attend Rural Schools	20	47	90
Identified as English Learner	13	8	16
Identified as Students with Disabilities	14	21	21
Eligible for National School Lunch Program	50	66	97
More than 100 books in home	30	26	17
Computer in home	66	53	48
No days absent from school	38	30	28

Eighth grade **AI/AN** students by school type and select student characteristics

Grade and Student Characteristic	National	All AI/AN	BIE School
Grade 8			
Attend City Schools	29	18	9
Attend Suburban Schools	40	21	#
Attend Town Schools	11	24	13
Attend Rural Schools	20	38	77
Identified as English Learner	10	10	11
Identified as Students with Disabilities	12	19	19
Eligible for National School Lunch Program	47	61	96
More than 100 books in home	21	16	7
Computer in home	85	77	54
No days absent from school	33	30	24



Key Takeaways



National Overall Summary

Grade 4 math
scores
improve

Grade 8 math
scores **diverge**

Reading scores
continue to
decline

Compared to 2019,
lower scores
for all
assessments

Student
absenteeism of
5 or more days
decreasing

OIE and BIE overall summary

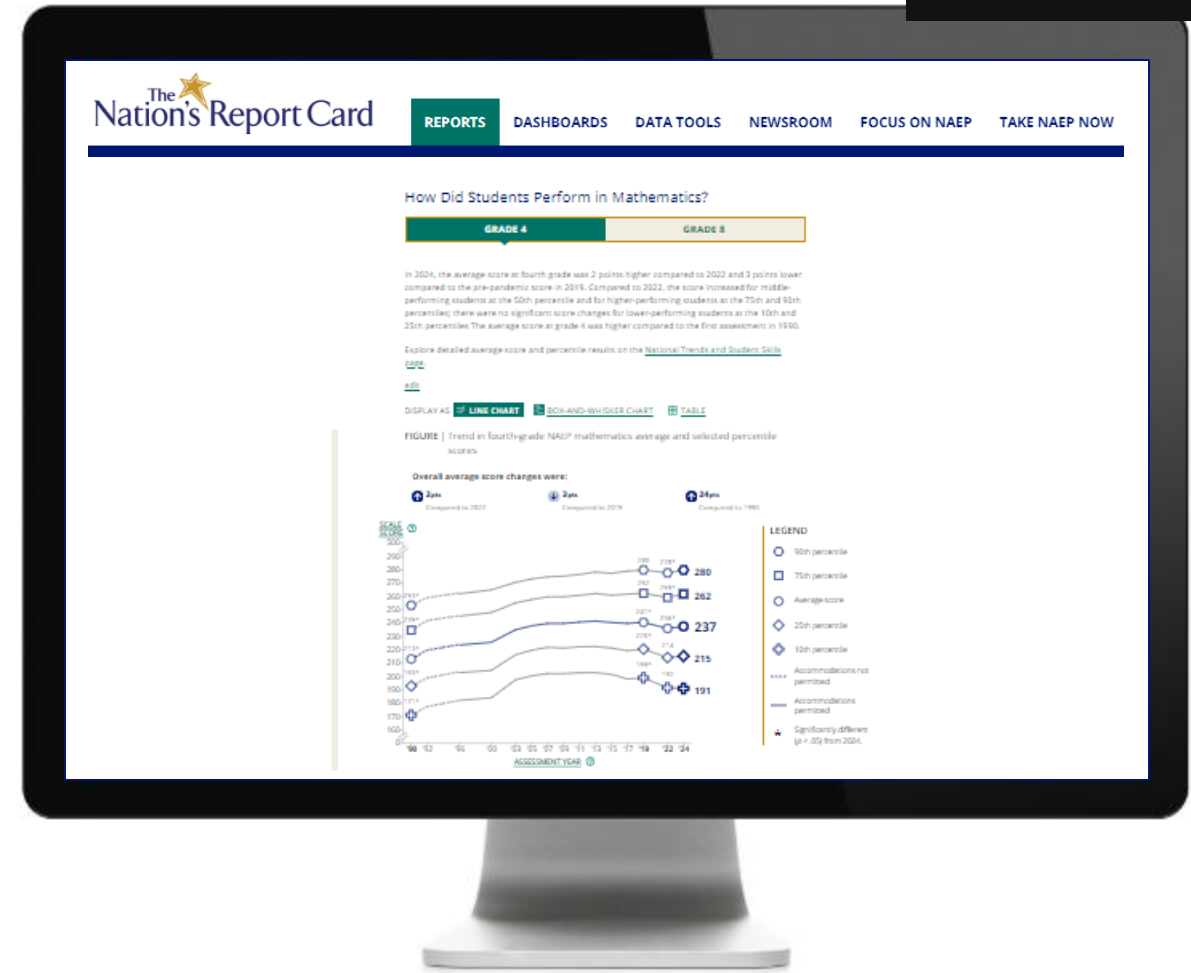
**BIE down at
both grades in
math**

Grade 8 reading
scores show no
change

Lower and higher
performers show
different patterns

AI/AN students
show differences
in key contextual
variables

Feedback & Questions?



Thank You!

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