

STUDENT ACHIEVEMENT

January 9, 2024



2024 ADEQUACY STUDY



- 
- Introduction
 - National Assessment for Educational Progress (NAEP)
 - Advanced Placement (AP)
 - ACT
 - ACT Aspire
 - Additional Achievement Measures for Special Populations
 - High School Graduation Rates



INTRODUCTION

- 
- Ark. Code Ann. § 10-3-2102 –
 - House and Senate Committees on Education shall:
 - Conduct biennial study to “[a]ssess, evaluate and monitor the entire spectrum of public education” as well as to “[e]valuate the effectiveness of any program implemented by a school, a school district, an education service cooperative, the ADE, or the State Board of Education.”
 - Review of the Arkansas Educational Support and Accountability Act (AESAA) and the state’s standing under the Every Student Succeeds Act (ESSA).

INTRODUCTION

- The state's ESSA plan includes the long-term (12 year) goal of having 80% of Arkansas students demonstrate grade-level proficiency.
- The current definition of adequacy also includes, "The goal is to have all, or all but the most severely disabled, students perform at or above proficiency on these tests," referring to the state tests.



NATIONAL ASSESSMENT FOR EDUCATIONAL PROGRESS (NAEP)

NAEP

- Administered every two years to a sample of students in 4th and 8th grades across multiple subjects
- Achievement Levels:

Basic

- Denotes partial mastery of prerequisite knowledge and skills that are fundamental for proficient work at each grade.

Proficient

- Represents solid academic performance. Students reaching this level have demonstrated competency over challenging subject matter.

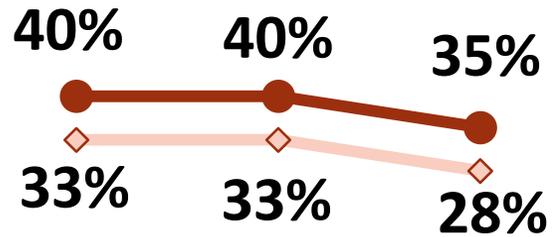
Advanced

- Represents superior performance

4TH GRADE MATH

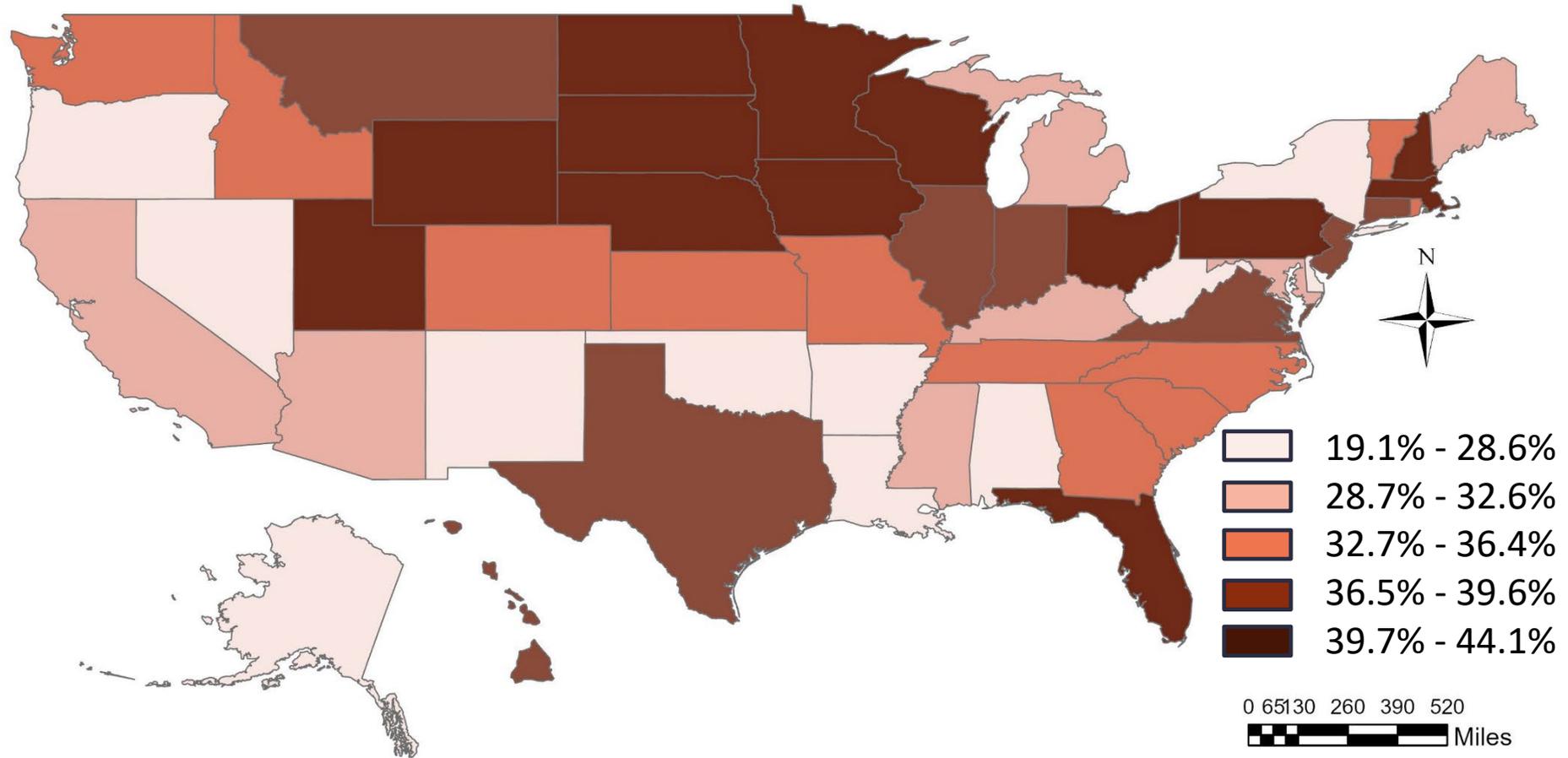
Percent At or Above Proficient (2022)

Pct. At or Above Proficient



2017 2019 2022

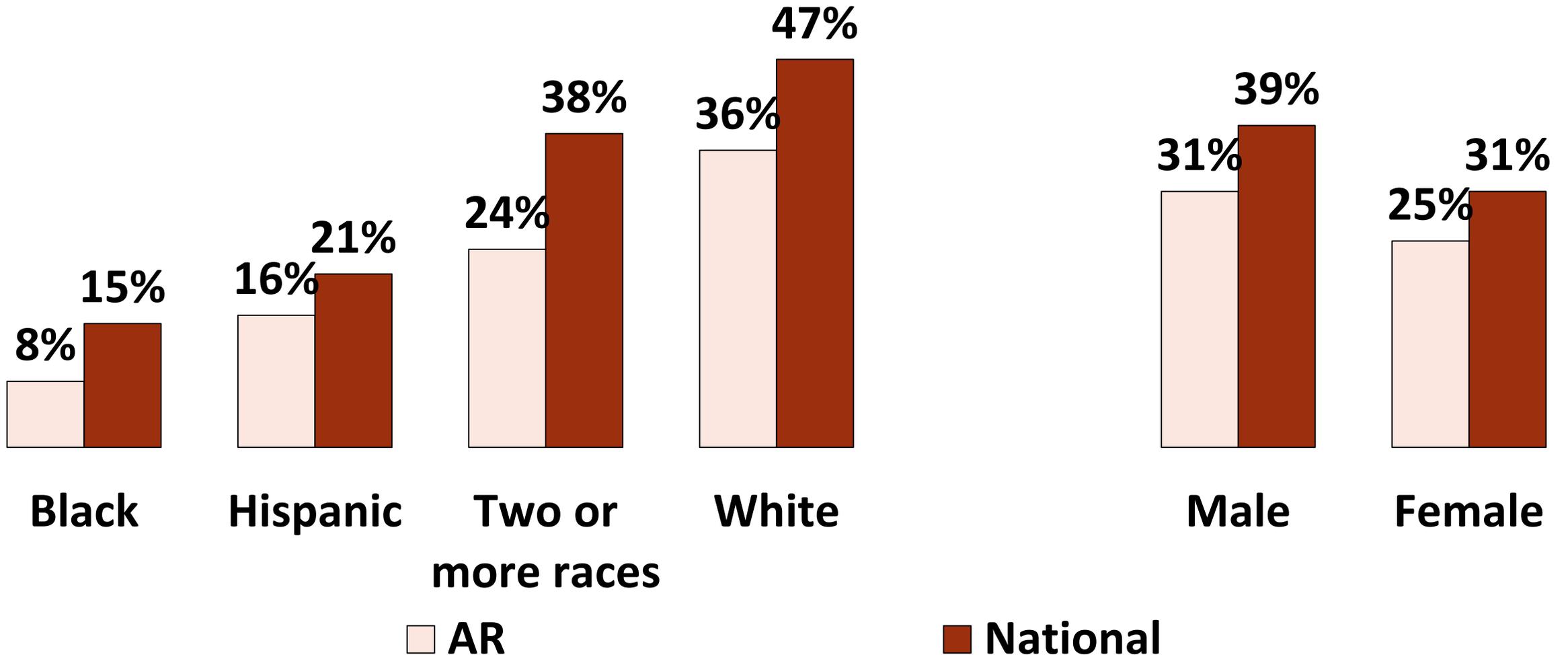
◇ AR ● National



Data Source: <https://www.nationsreportcard.gov/ndecore/landing>

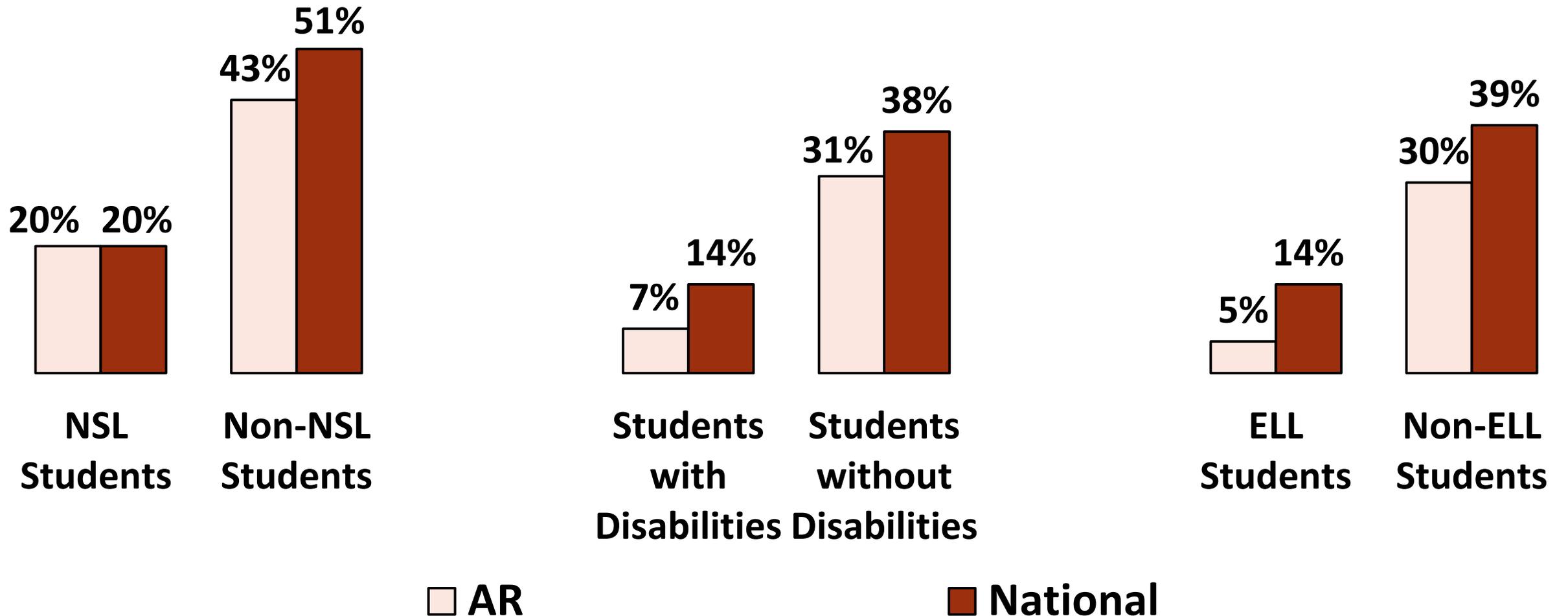
NAEP

4th Grade Math – Pct. At or Above Proficient (2022)



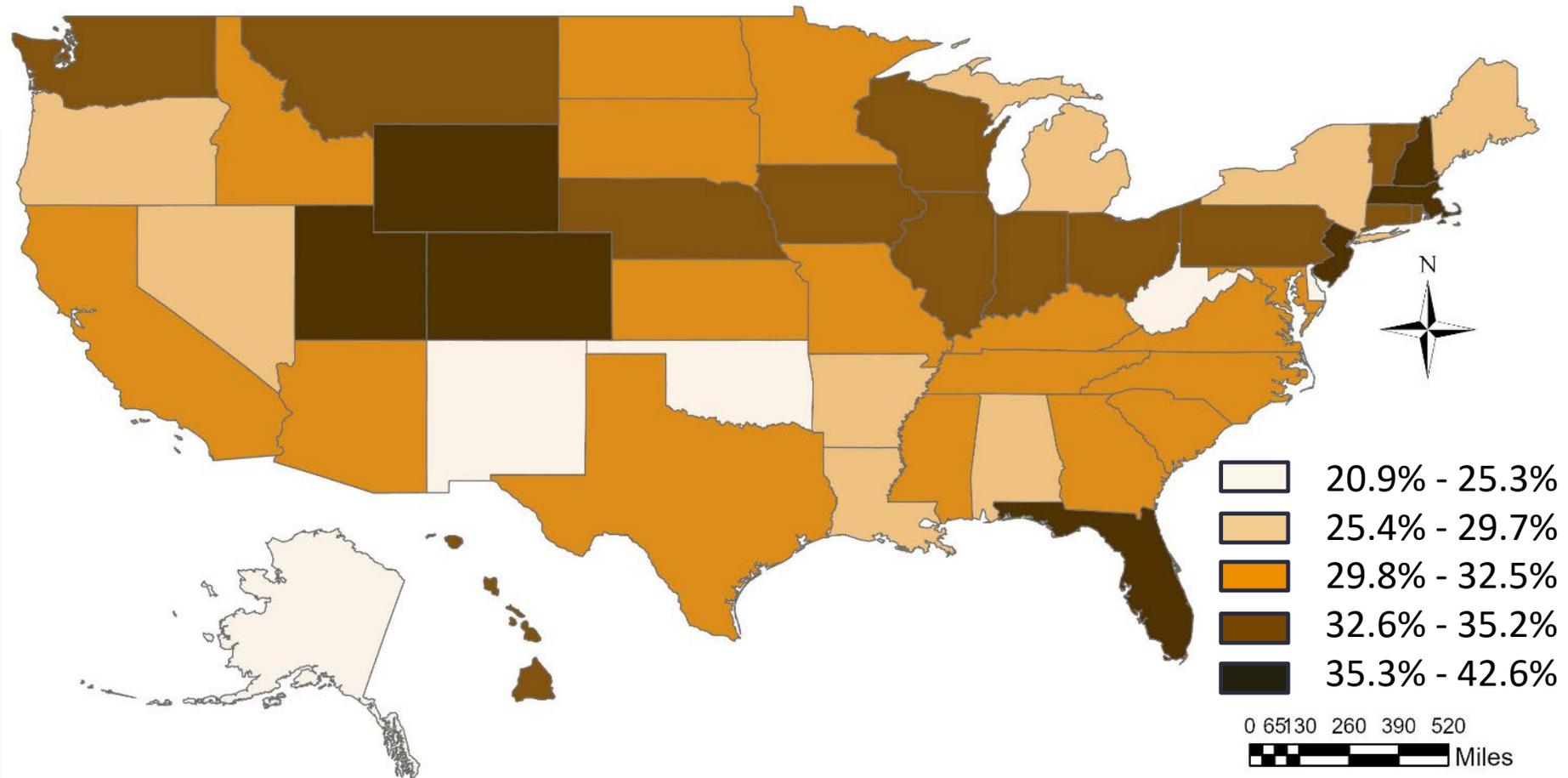
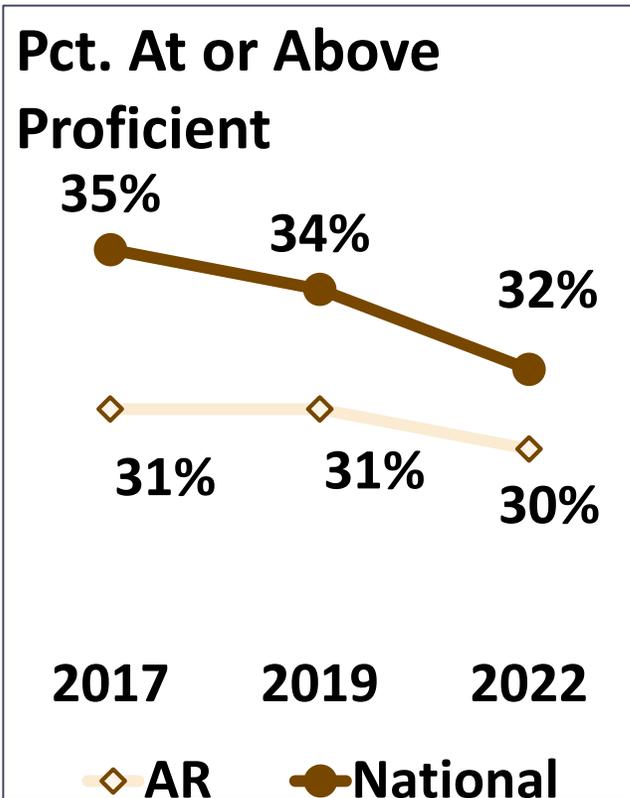
NAEP

4th Grade Math – Pct. At or Above Proficient (2022)



4TH GRADE READING

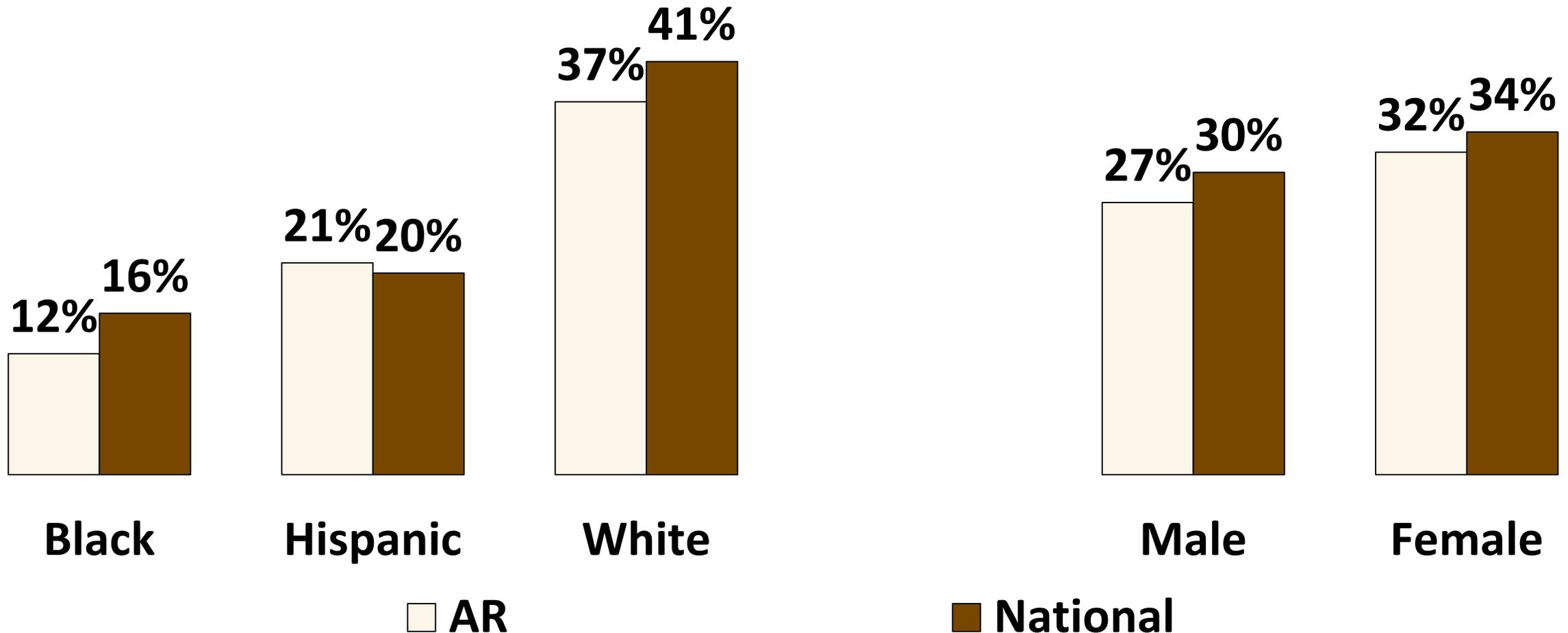
Percent At or Above Proficient (2022)



Data Source: <https://www.nationsreportcard.gov/ndecore/landing>

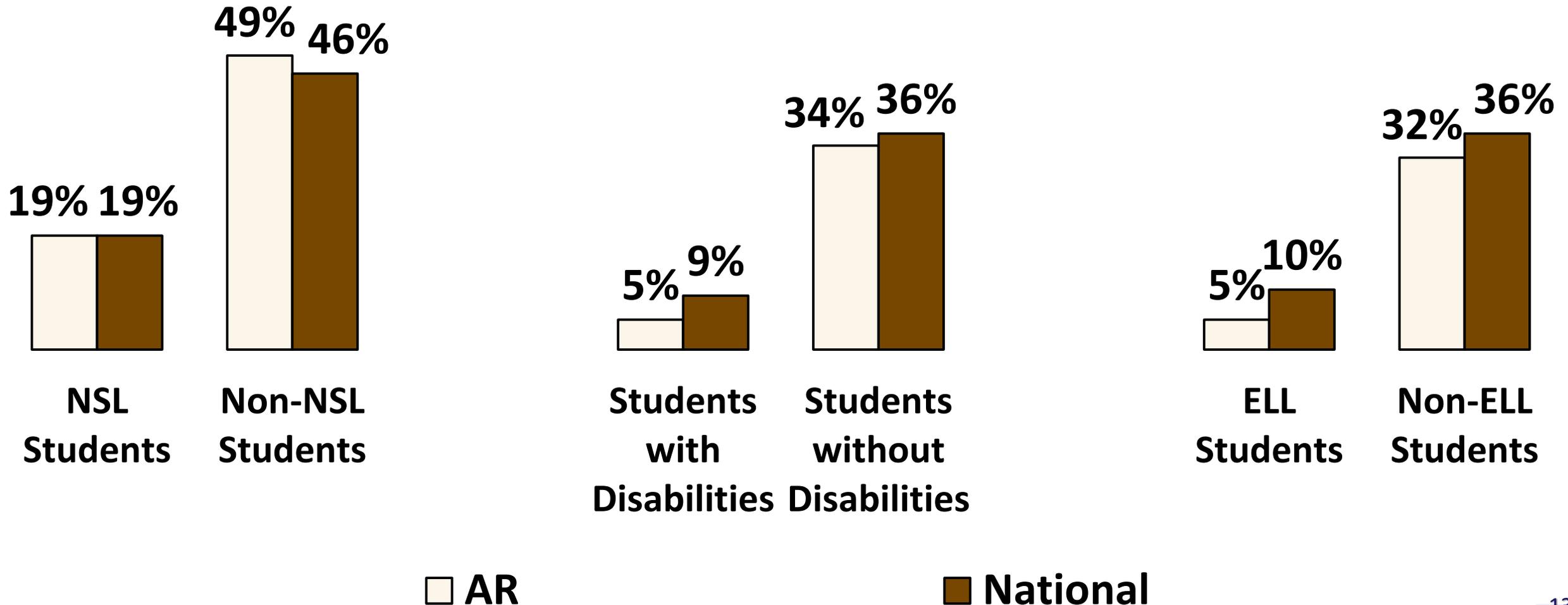
NAEP

4th Grade Reading – Pct. At or Above Proficient (2022)



NAEP

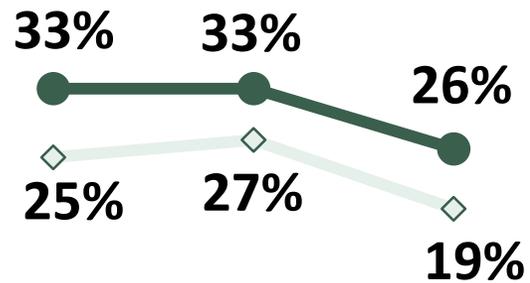
4th Grade Reading – Pct. At or Above Proficient (2022)



8TH GRADE MATH

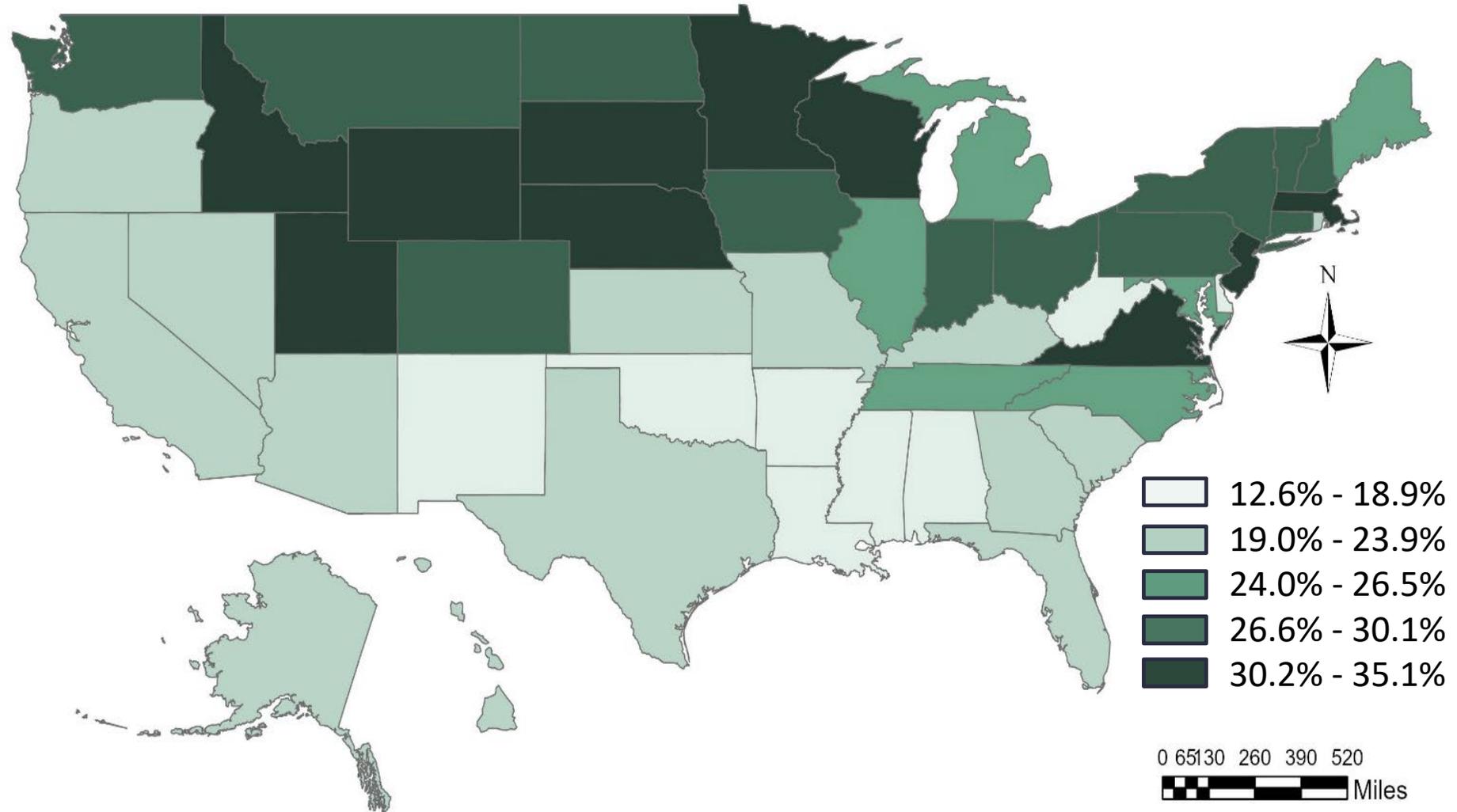
Percent At or Above Proficient (2022)

Pct. At or Above Proficient



2017 2019 2022

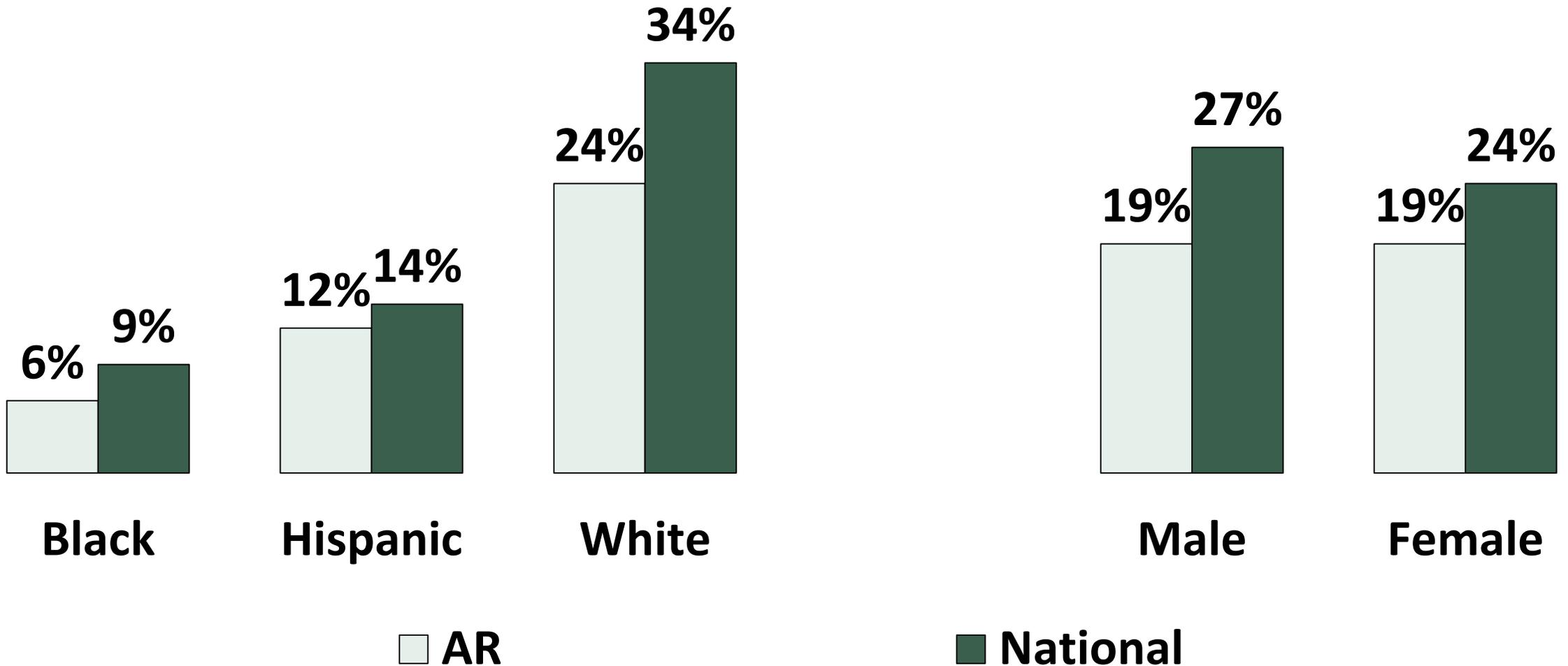
◇ AR ● National



Data Source: <https://www.nationsreportcard.gov/ndecore/landing>

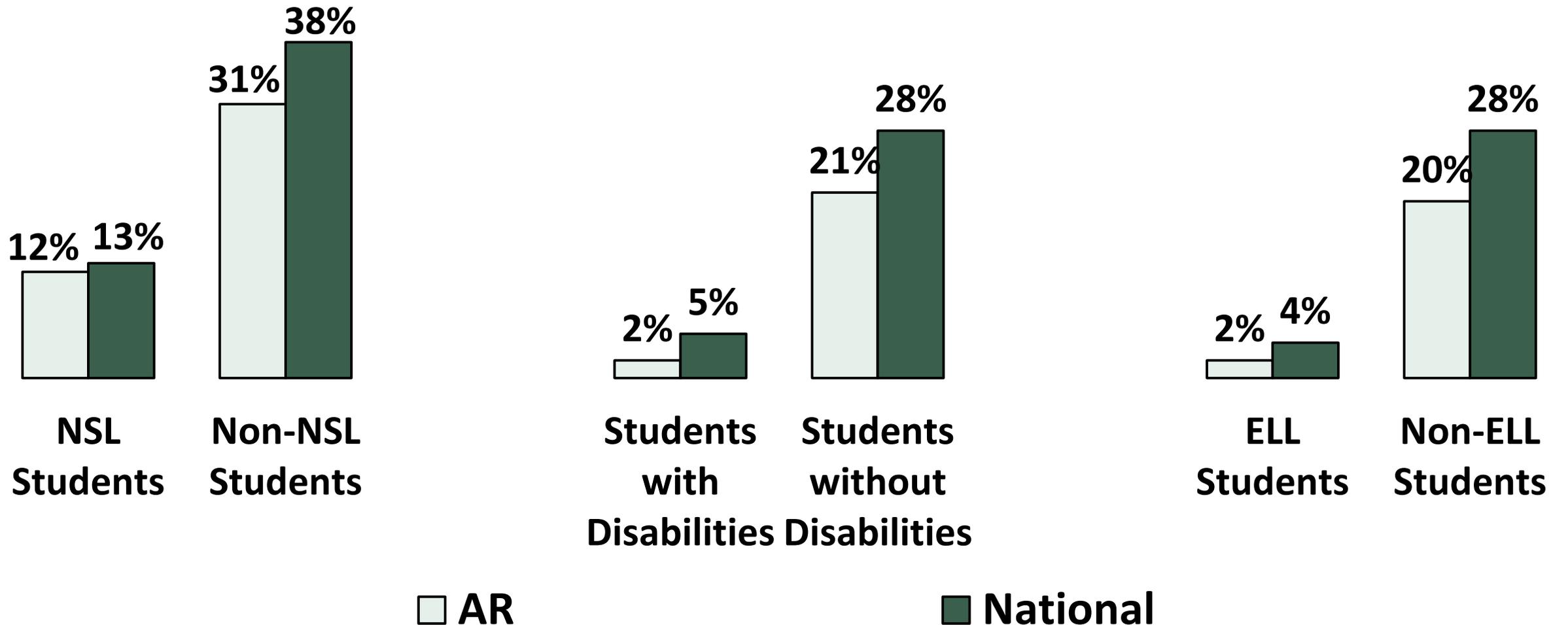
NAEP

8th Grade Math – Pct. At or Above Proficient (2022)



NAEP

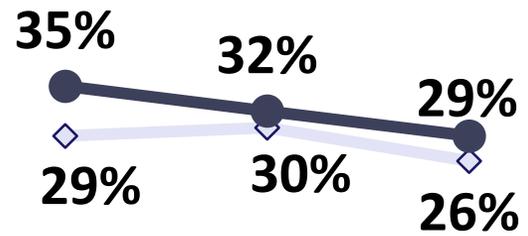
8th Grade Math – Pct. At or Above Proficient (2022)



8TH GRADE READING

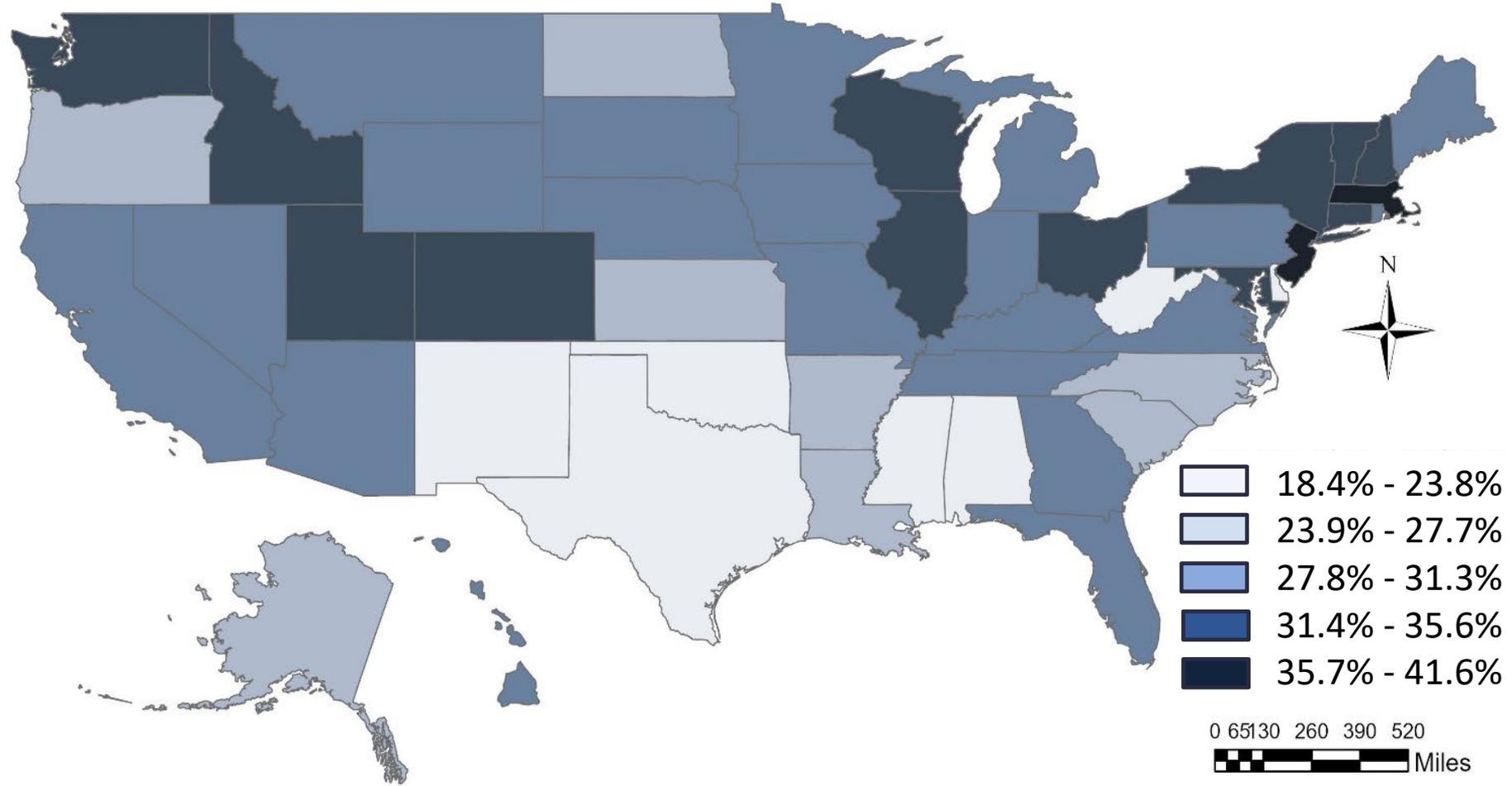
Percent At or Above Proficient (2022)

Pct. At or Above Proficient



2017 2019 2022

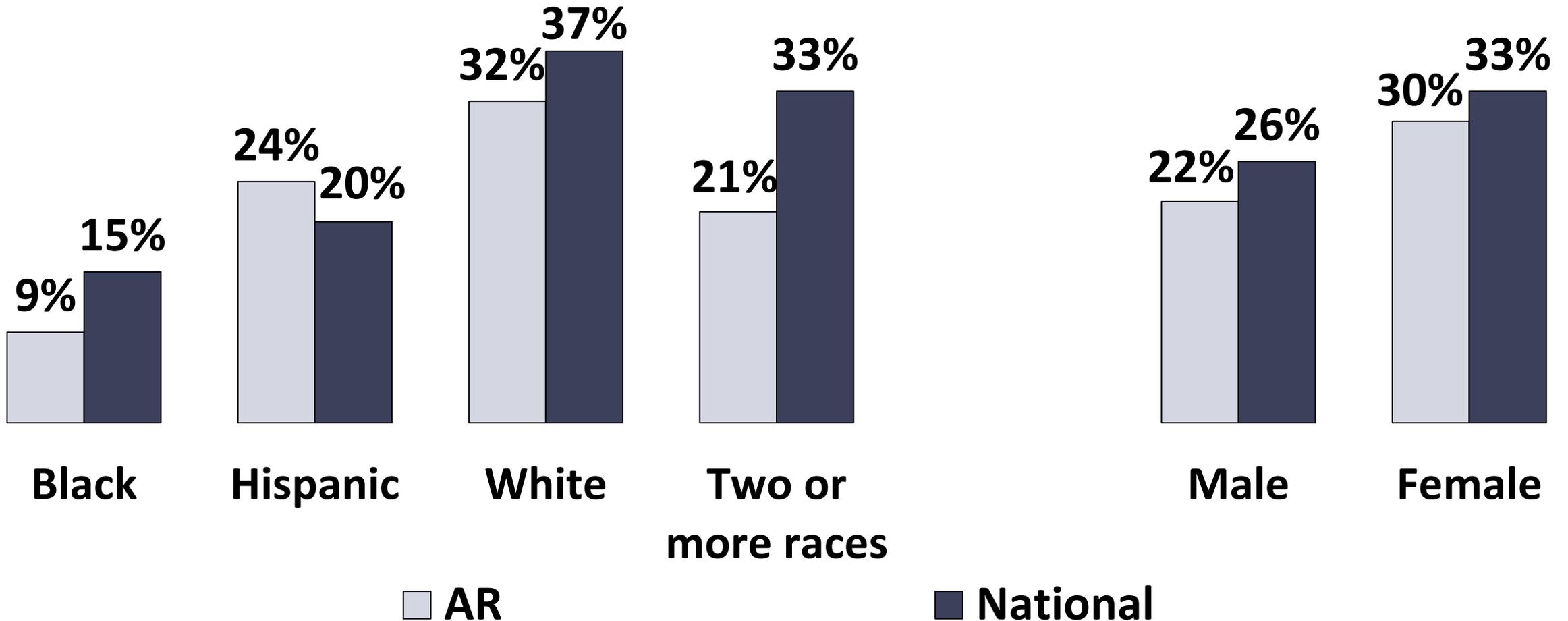
◇ AR ● National



Data Source: <https://www.nationsreportcard.gov/ndecore/landing>

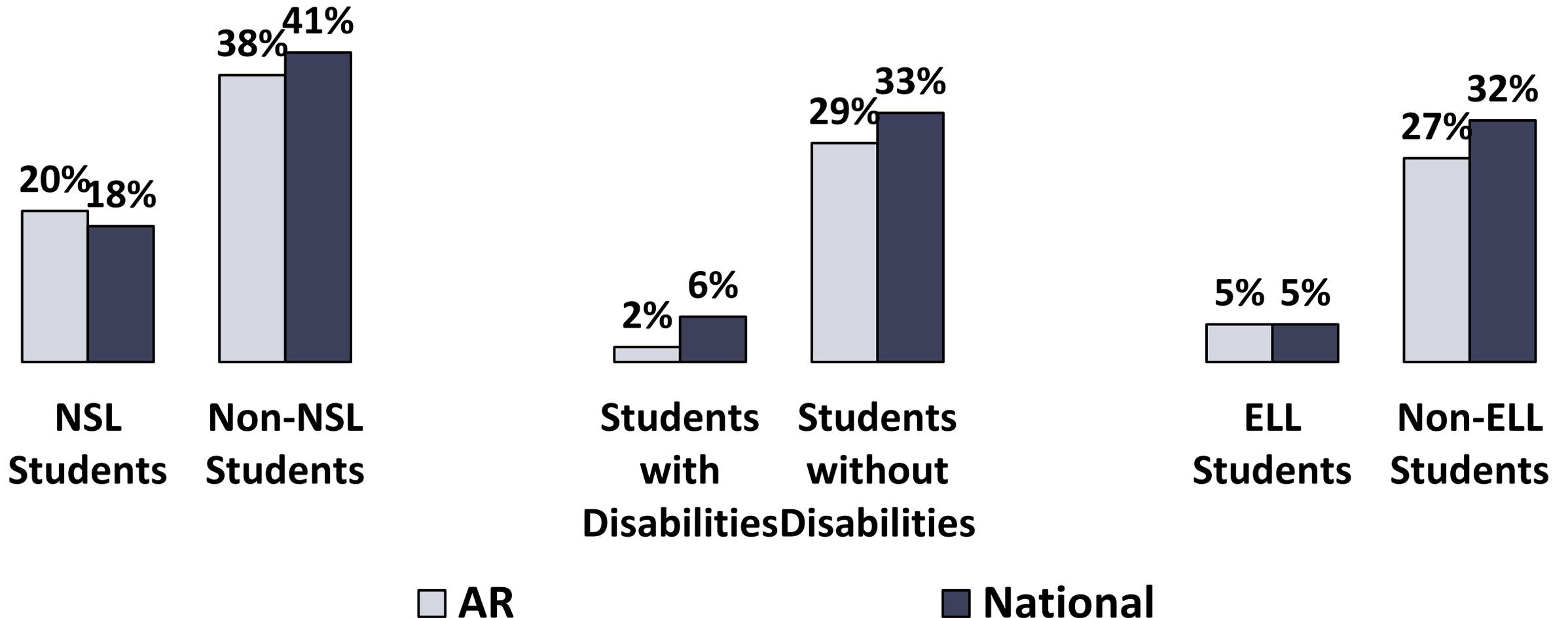
NAEP

8th Grade Reading – Pct. At or Above Proficient (2022)



NAEP

8th Grade Reading – Pct. At or Above Proficient (2022)





ADVANCED PLACEMENT (AP)

ADVANCED PLACEMENT (AP)

AP Program

- Students can pursue college-level studies while in high school to prepare students for admission to and success in a postsecondary educational environment.

AP Course

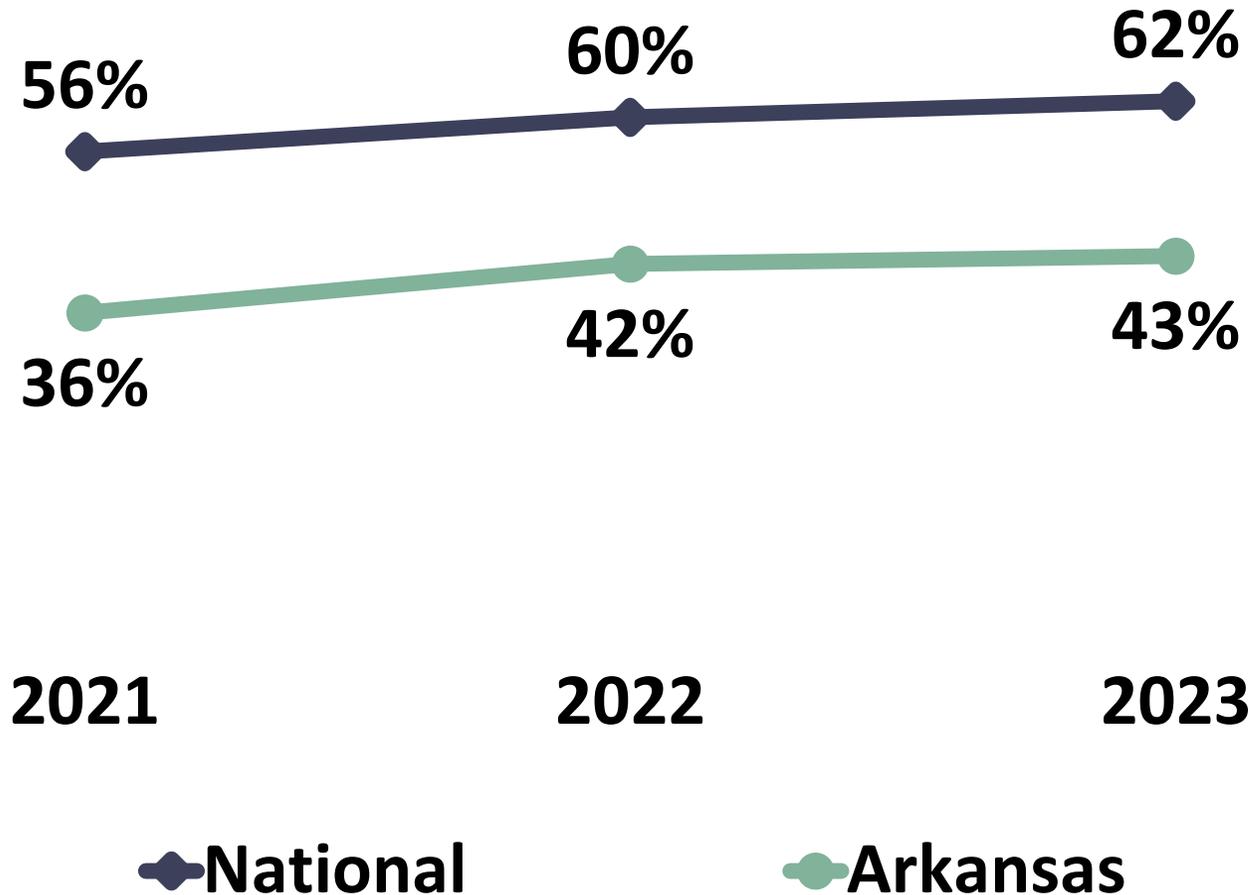
- High school preparatory course offered by each district in four core areas (English, math, science, and social studies).

AP Exams/Scoring

- Scored on a scale of 1 to 5. Many U.S. colleges grant credit and/or advanced placement for scores 3 or above.

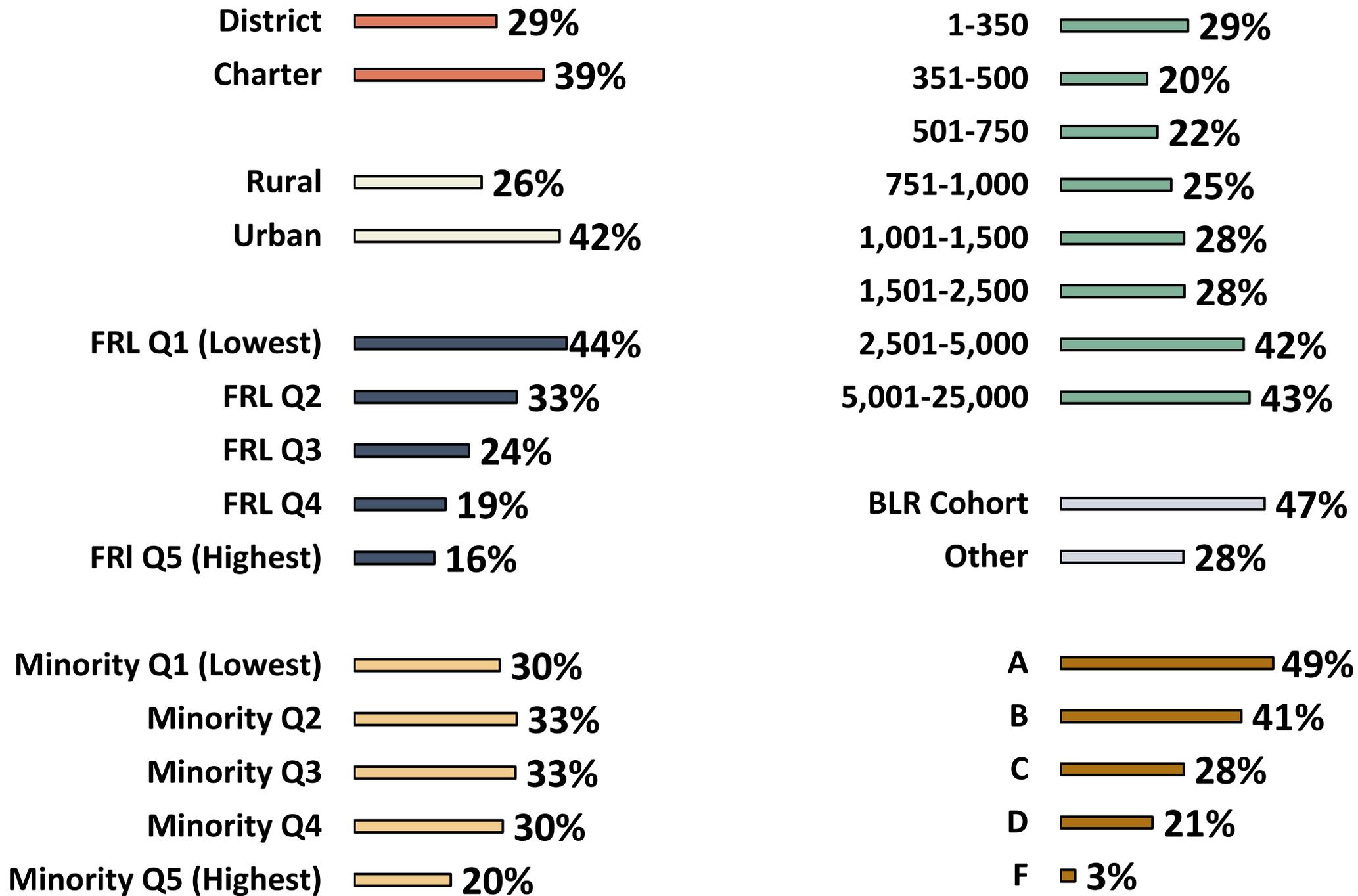
★ Advanced Placement (AP)

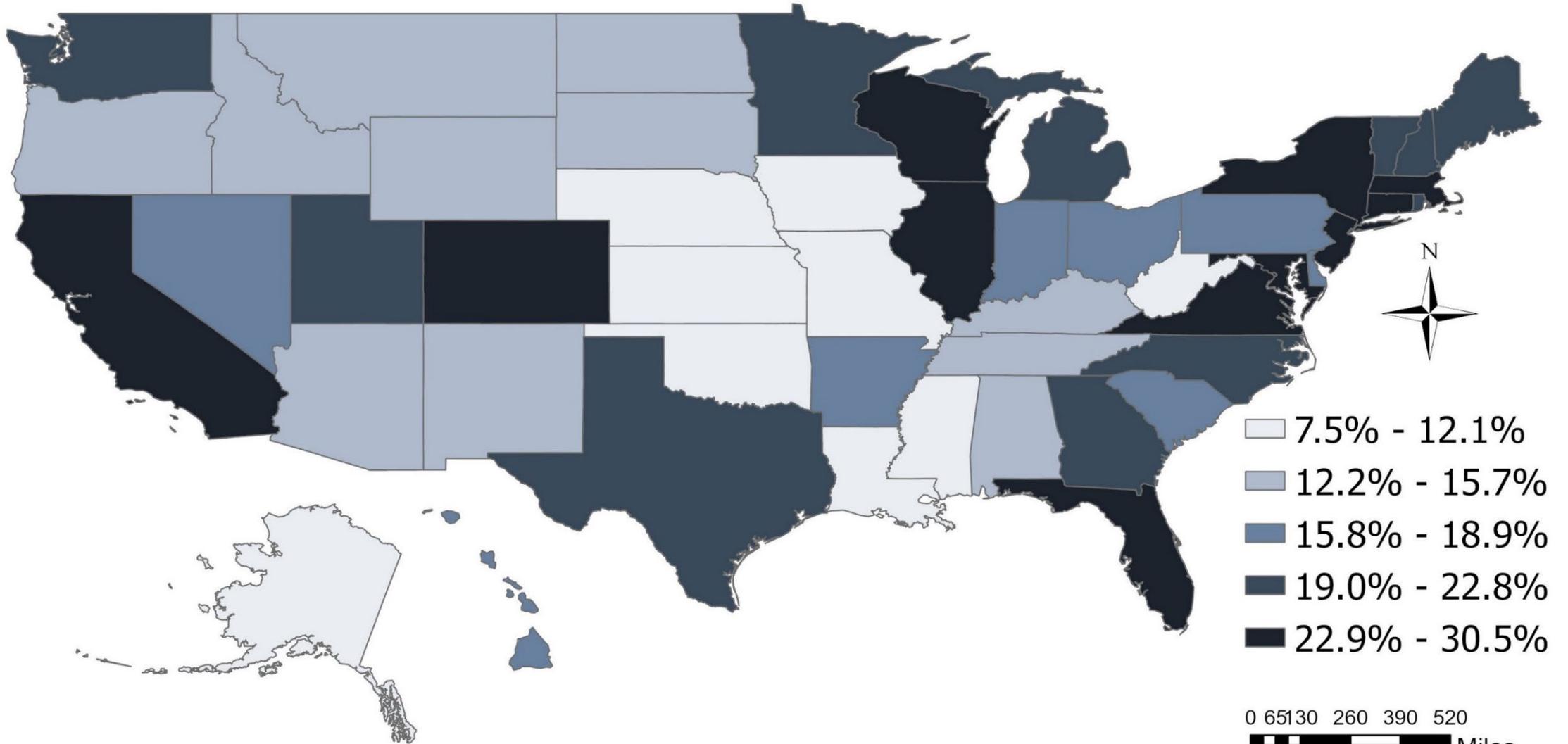
Percent of AP Exams Scoring 3, 4, or 5



Arkansas FY23
Students Taking AP Courses: <u>27,457</u>
AP Exams Taken: <u>43,142</u>
United States FY23
Students Taking AP Courses: <u>2,869,418</u>
AP Exams Taken: <u>5,197,601</u>

Data Sources: <https://apcentral.collegeboard.org/media/pdf/ap-score-distributions-all-subjects-2002-2022.pdf>
<https://apcentral.collegeboard.org/media/pdf/ap-score-distributions-by-subject-2022.pdf>





ADVANCED PLACEMENT (2022)

Percent Class of 2022 Scoring a 3 or Higher on AP Exam

Data Source: <https://reports.collegeboard.org/ap-program-results/class-of-2022>



ACT

ACT Assessment

- National college admissions examination designed to measure skills important for success in postsecondary education and are acquired in secondary education.

ACT Scores

- Scores for each of the four multiple-choice tests (English, math, reading, and science) that range from 1-36.

ACT College Readiness Benchmarks

- Empirically derived descriptions of the essential skills and knowledge students need to become ready for college and career.

	Students Tested
2021	27,577
2022	28,721
2023	28,732

Average ACT Scores: Arkansas 11 th Grade Students			
	2021	2022	2023
English	17.6	17.7	17.7
Math	17.8	17.7	17.6
Reading	18.4	18.6	18.5
Science	18.6	18.7	18.6
Composite	18.2	18.3	18.2

Data Sources: DESE. Average Composite Scores (2023), Percent Meeting College Career Readiness (CCR) Benchmarks (2023), Arkansas ACT State Profile Report – Grade 11 (2022).
<https://dese.ade.arkansas.gov/Offices/public-school-accountability/assessment-test-scores>

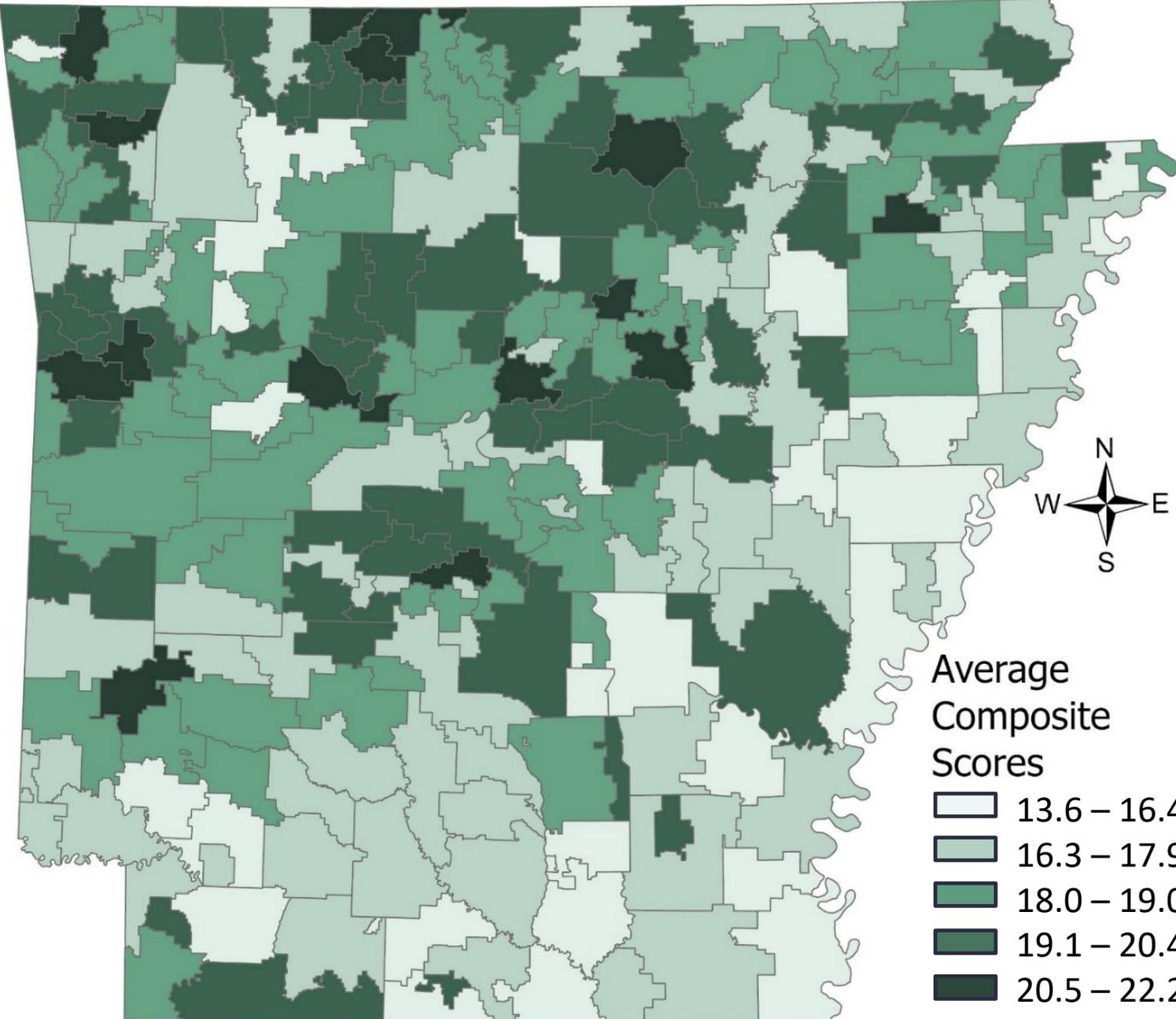
Race/Ethnicity	Average Composite Score (2023)
Asian	22.2
American Indian/ Alaska Native	16.7
Black/African American	15.2
Hispanic/Latino	17.1
Native Hawaiian Other Pacific Islander	15.9
White	19.4
Two or More Races	18.7
Ethnicity – Preferred Not to Respond	18.3
No Ethnicity Information Provided	15.2

ACT – AVERAGE COMPOSITE SCORES (2023)

Charters:

Minimum: 12.6

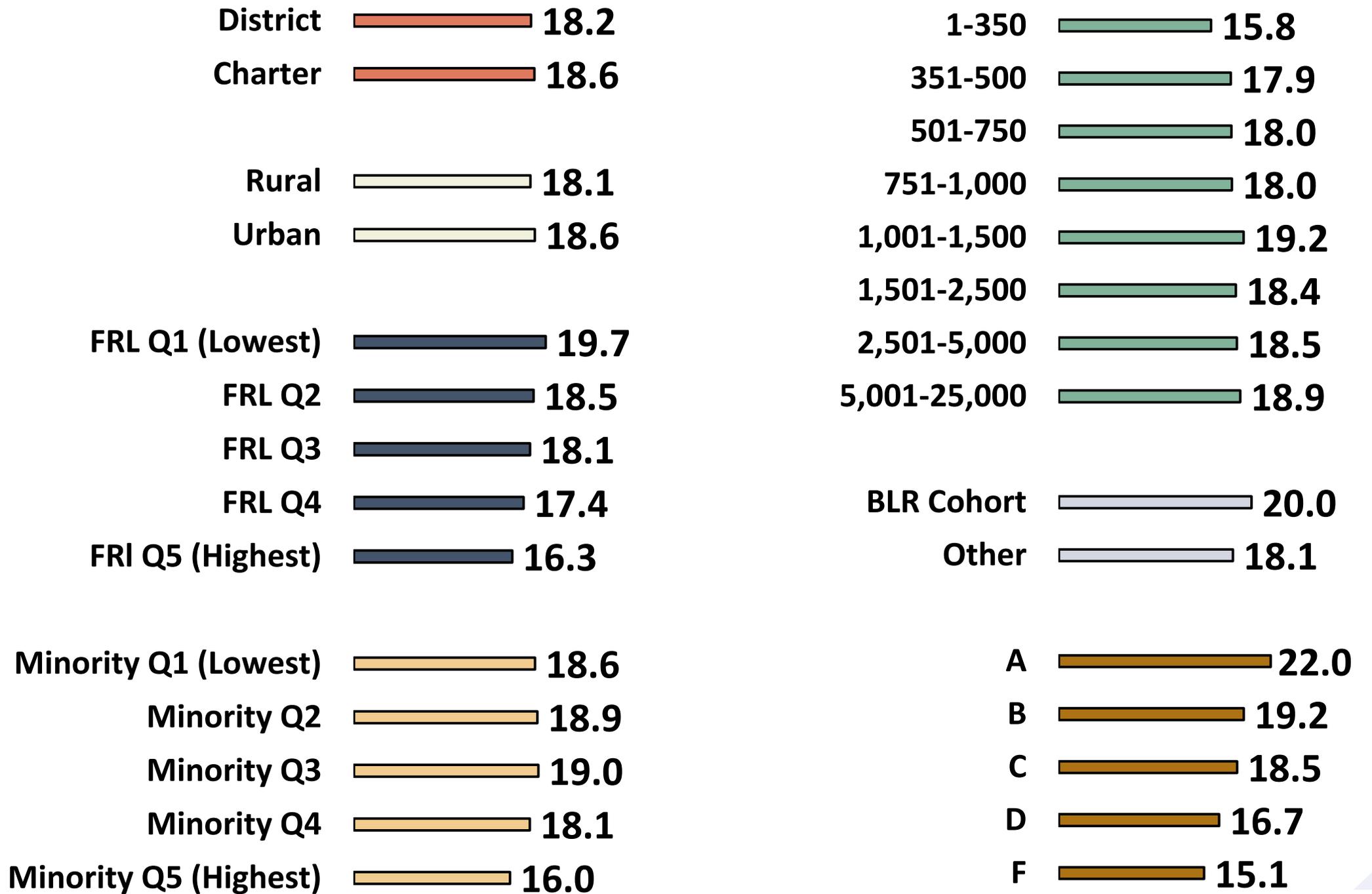
Maximum: 26.7



Map prepared by the Bureau of Legislative Research, Policy Analysis & Research Section
School District and County Boundaries from the GIS Office integrated the Arkansas Spatial
Data

0 5 10 20 30 40
Miles

ACT – Average Composite Scores (2023)



	Students Tested
2021	27,577
2022	28,721
2023	28,732

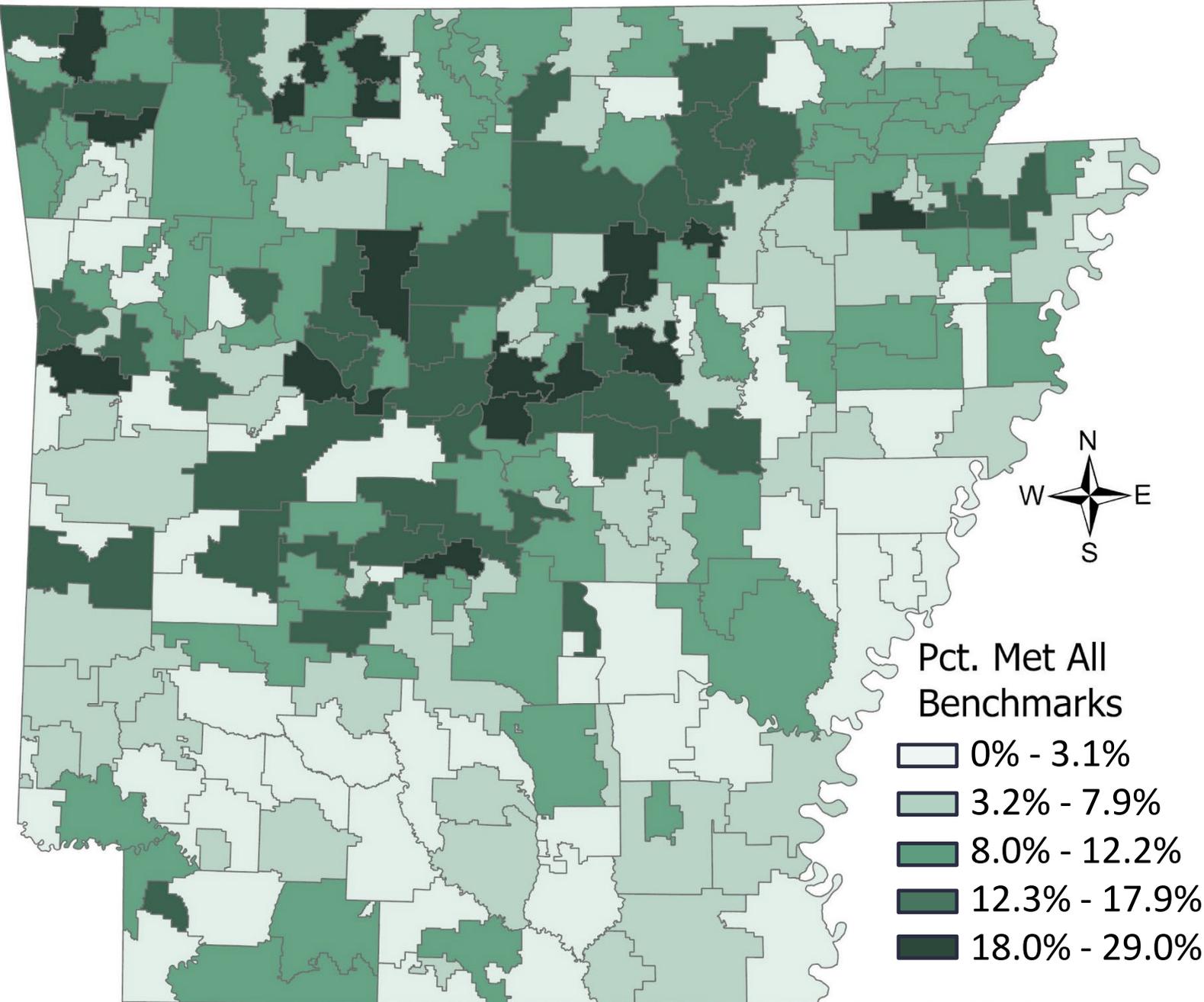
Pct. Met College Readiness Benchmarks: Arkansas Graduating Class			
	2021	2022	2023
English	46%	48%	46%
Math	19%	19%	19%
Reading	29%	31%	30%
Science	22%	24%	23%
All Subjects	12%	13%	12%

ACT – PCT. MEETING ALL BENCHMARKS

Charters:

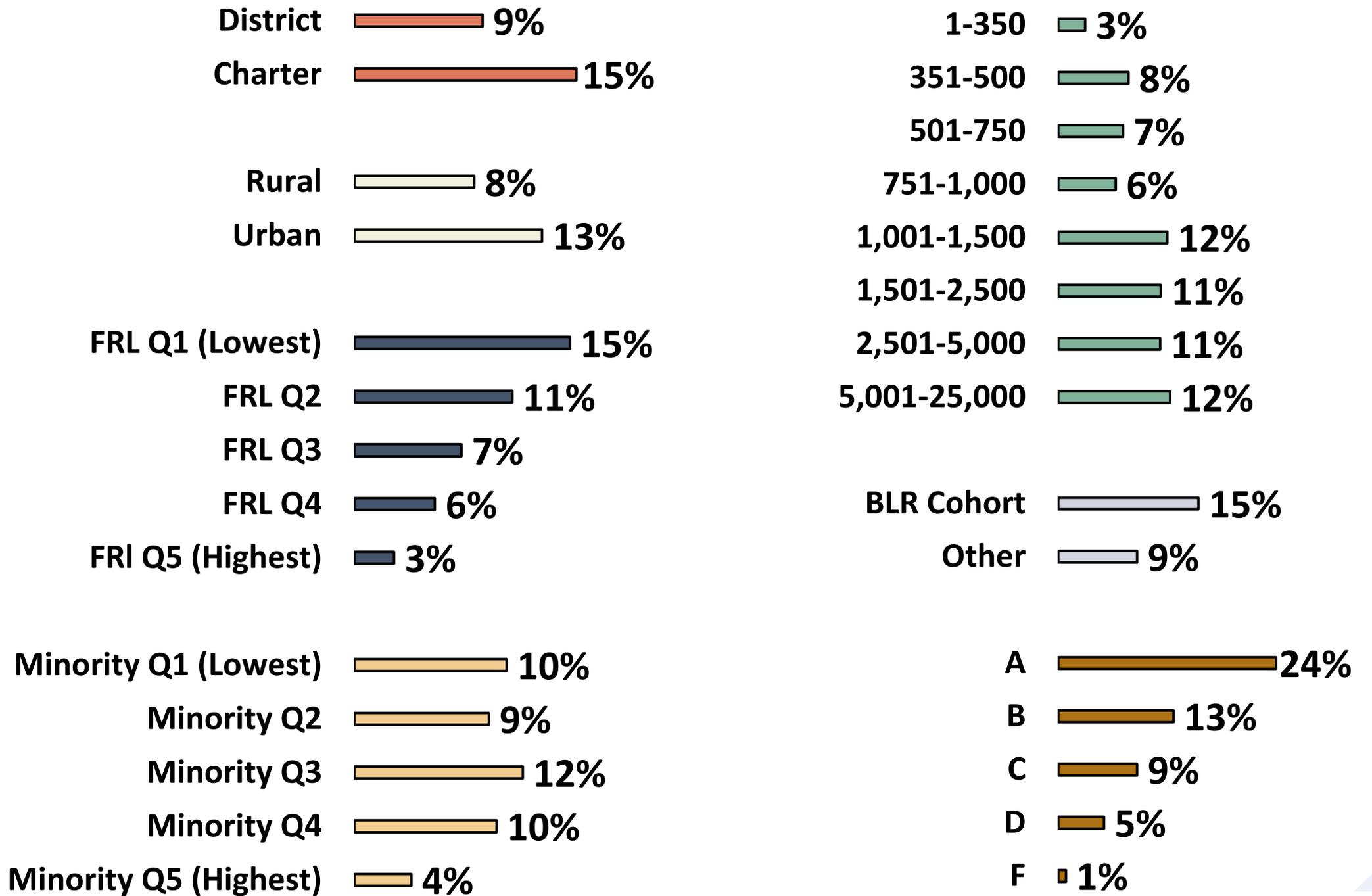
Minimum: 0%

Maximum: 45.7%



Map prepared by the Bureau of Legislative Research, Policy Analysis & Research Section
School District and County Boundaries from the GIS Office integrated the Arkansas Spatial
Data

0 5 10 20 30 40
Miles



States with 90% - 100% Students Tested (2023)

- Alabama
- Kentucky
- Louisiana
- Mississippi
- Nevada
- Oklahoma
- Tennessee
- Wyoming
- Arizona
- Montana
- Arkansas
- Nebraska
- Wisconsin
- North Carolina
- Utah

	Arkansas	States with 90%-100% Students Tested
Pct. Tested	96%	98%
English	48%	45%
Math	33%	34%
Reading	21%	23%
Science	25%	24%
Composite	18.6	18.5



ACT ASPIRE

ACT ASPIRE

Background

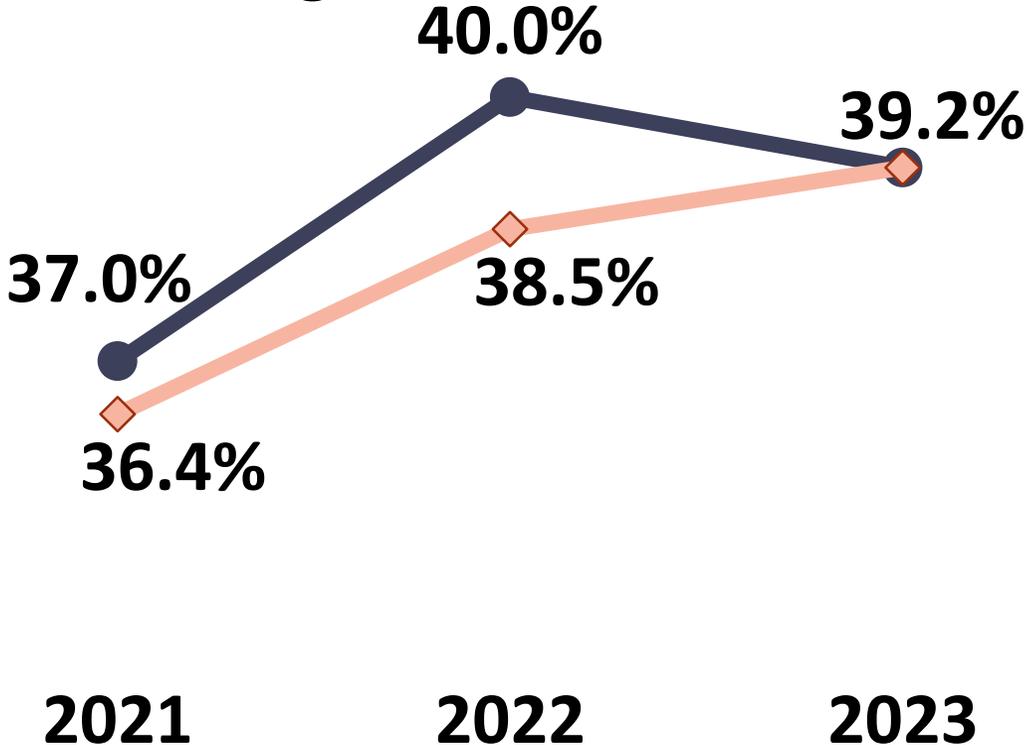
- State Summative Assessment
- Grades 3-10
- Will be replaced with ATLAS in 2023-24

Score Types

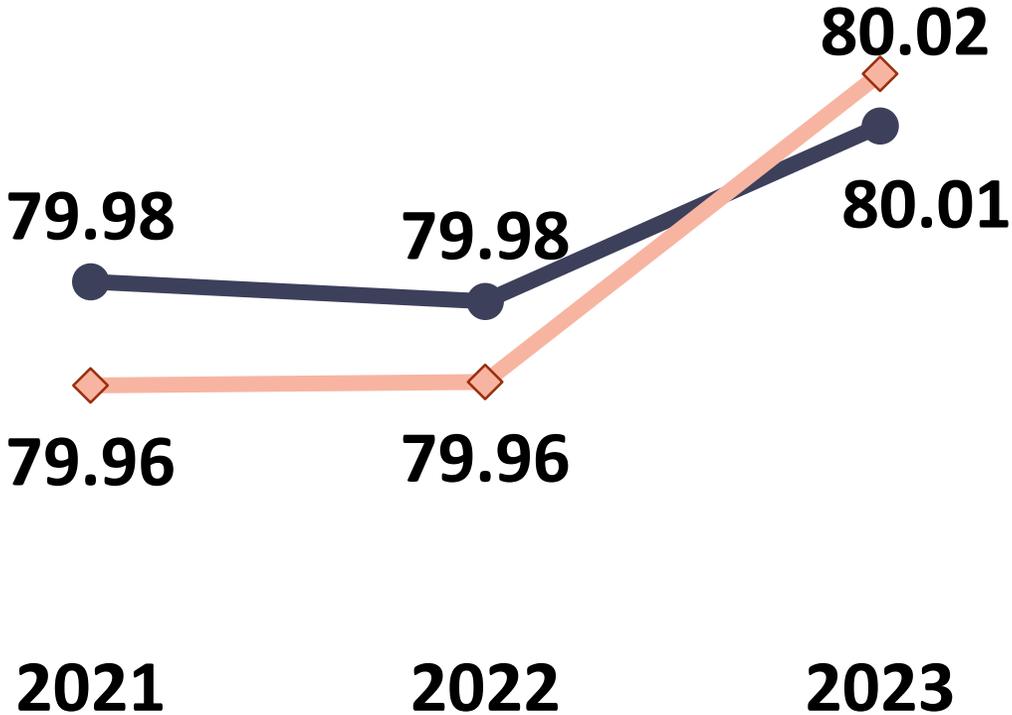
- Pct. Students Ready or Exceeding
 - In Need of Improvement
 - Close
 - Ready
 - Exceeding
- Average Student Growth Scores
 - < 80 = Lower Than Expected
 - Score of 80 = Right on Track
 - > 80 = Higher Than Expected

ALL STUDENTS

Pct. Students Scoring Ready or Exceeding



Average Student Growth Scores

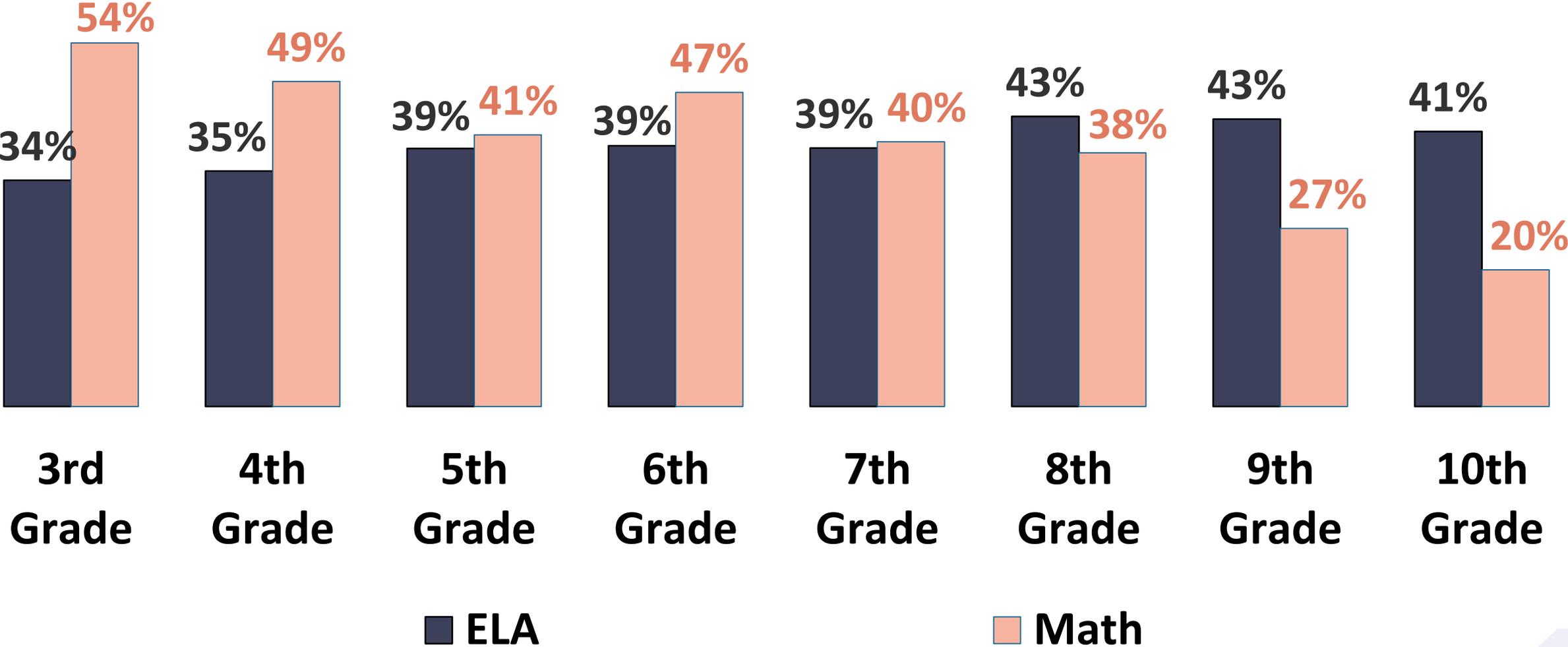


● ELA

◇ Math

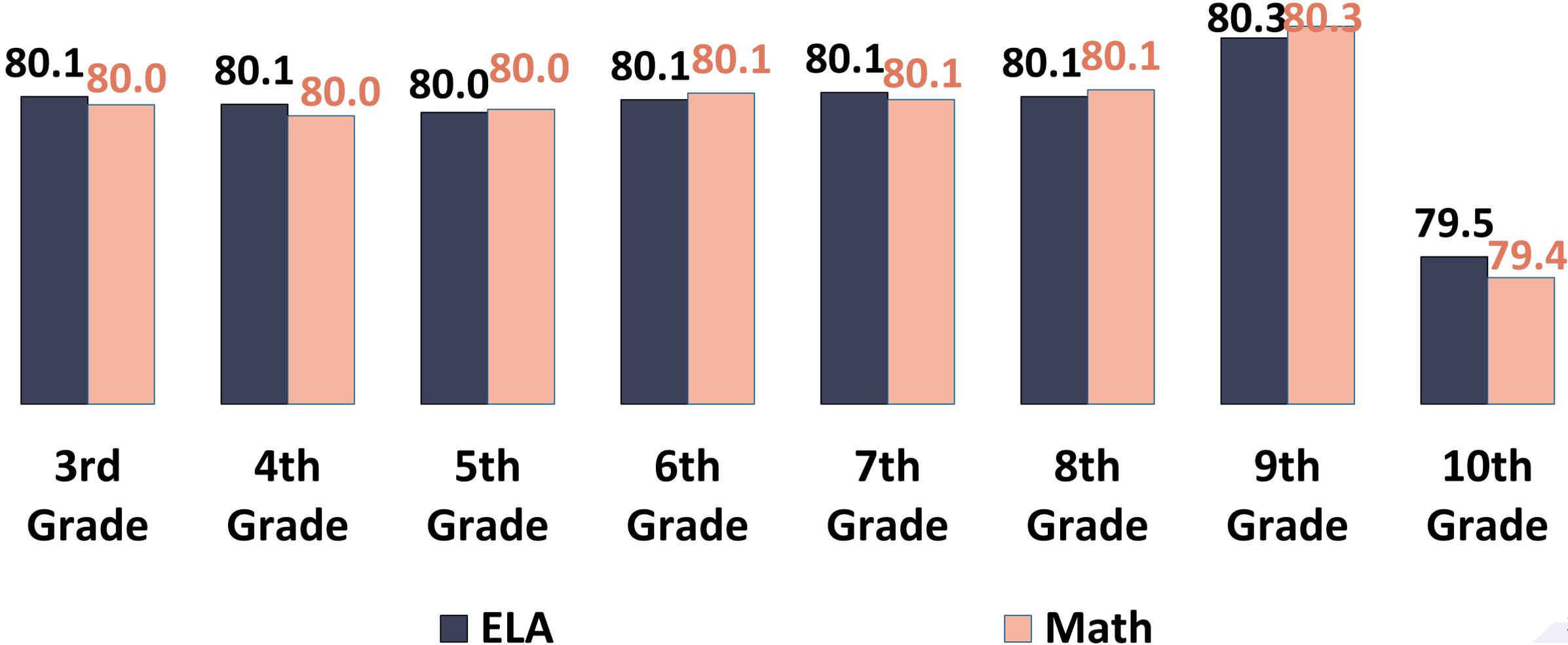
ALL STUDENTS

Pct. Students Scoring Ready or Exceeding by Grade (2023)



ALL STUDENTS

Average Growth Scores by Grade (2023)



ALL STUDENTS

2023

Pct. Ready or Exceeding	<u>ELA</u>	<u>Math</u>
Male Students	34%	40%
Female Students	45%	39%
American Indian/Alaskan Native Students	38%	37%
Asian Students	65%	67%
Black Students	20%	18%
Hispanic Students	31%	32%
Pacific Islander / Native Hawaiian Students	17%	21%
Two or more races Students	41%	40%
White Students	47%	47%

ALL STUDENTS

2023

Average Growth Scores	<u>ELA</u>	<u>Math</u>
Male Students	79.4	80.0
Female Students	80.7	80.1
American Indian/Alaskan Native Students	80.0	79.8
Asian Students	82.7	85.1
Black Students	79.3	78.6
Hispanic Students	80.3	80.3
Pacific Islander / Native Hawaiian Students	81.3	81.5
Two or more races Students	80.0	79.9
White Students	80.1	80.3

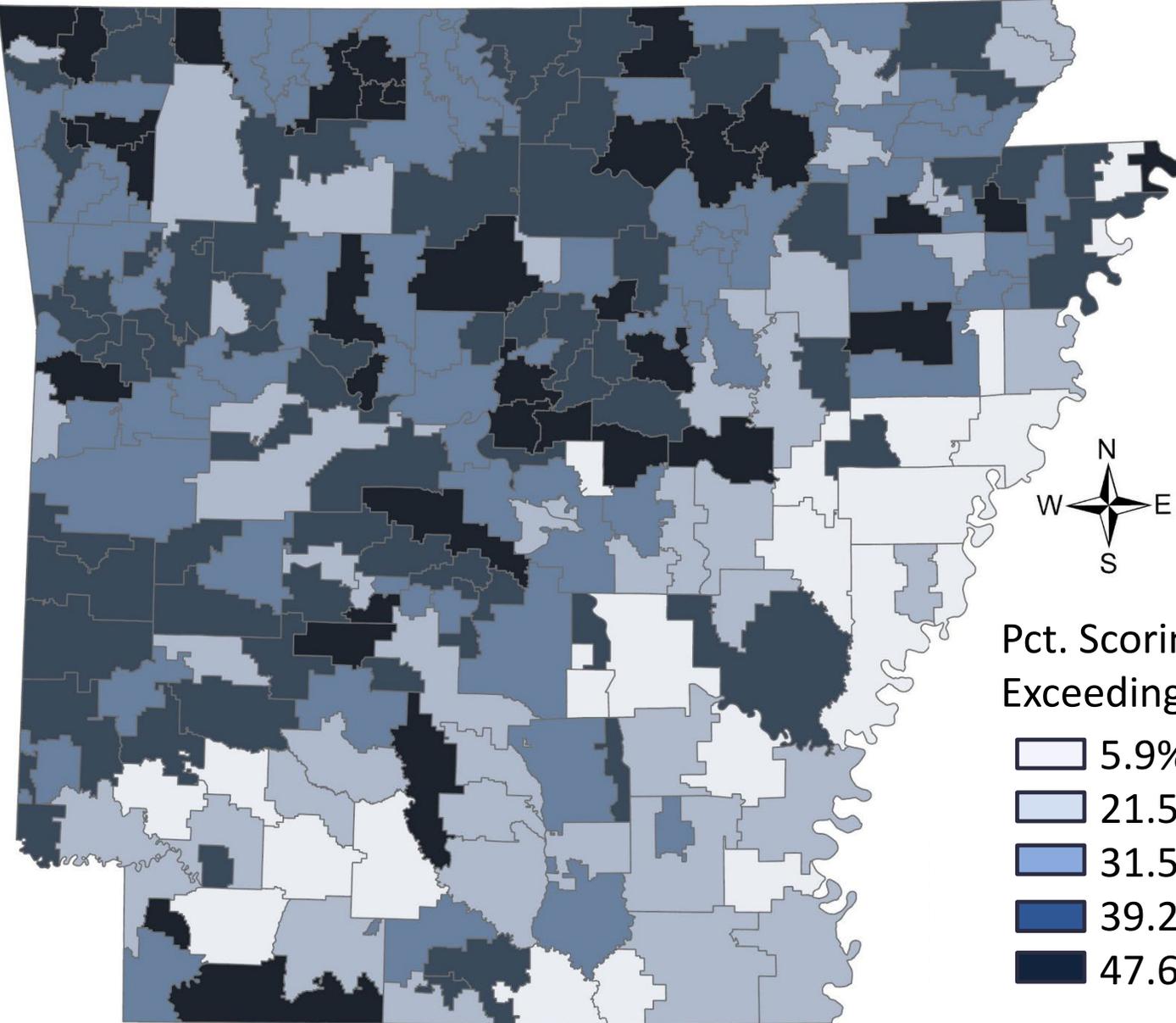
Percent Ready or Exceeding (2023)

ACT ASPIRE – ENGLISH LANGUAGE ARTS

Charters:

Minimum: 3%

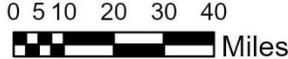
Maximum: 87%

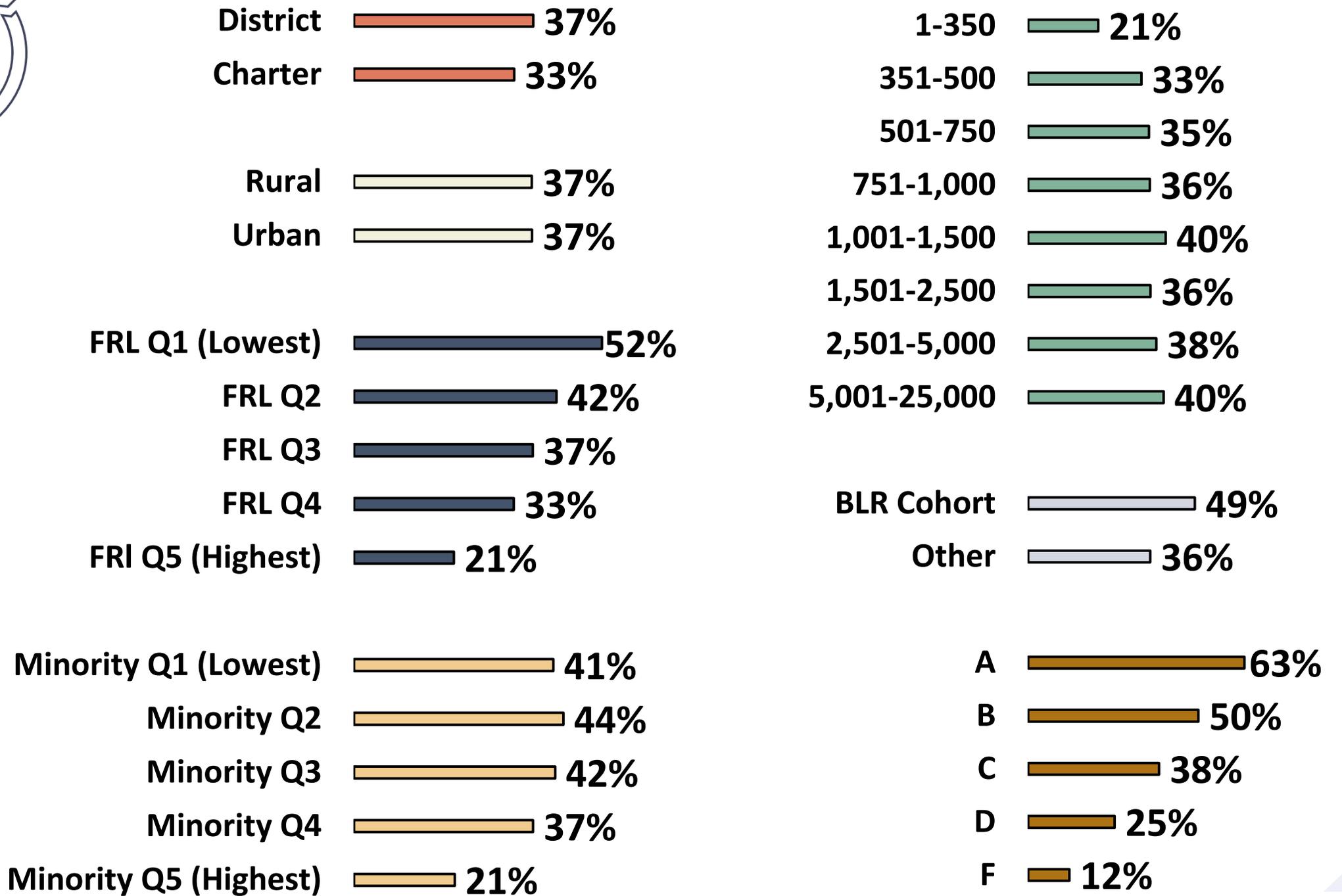


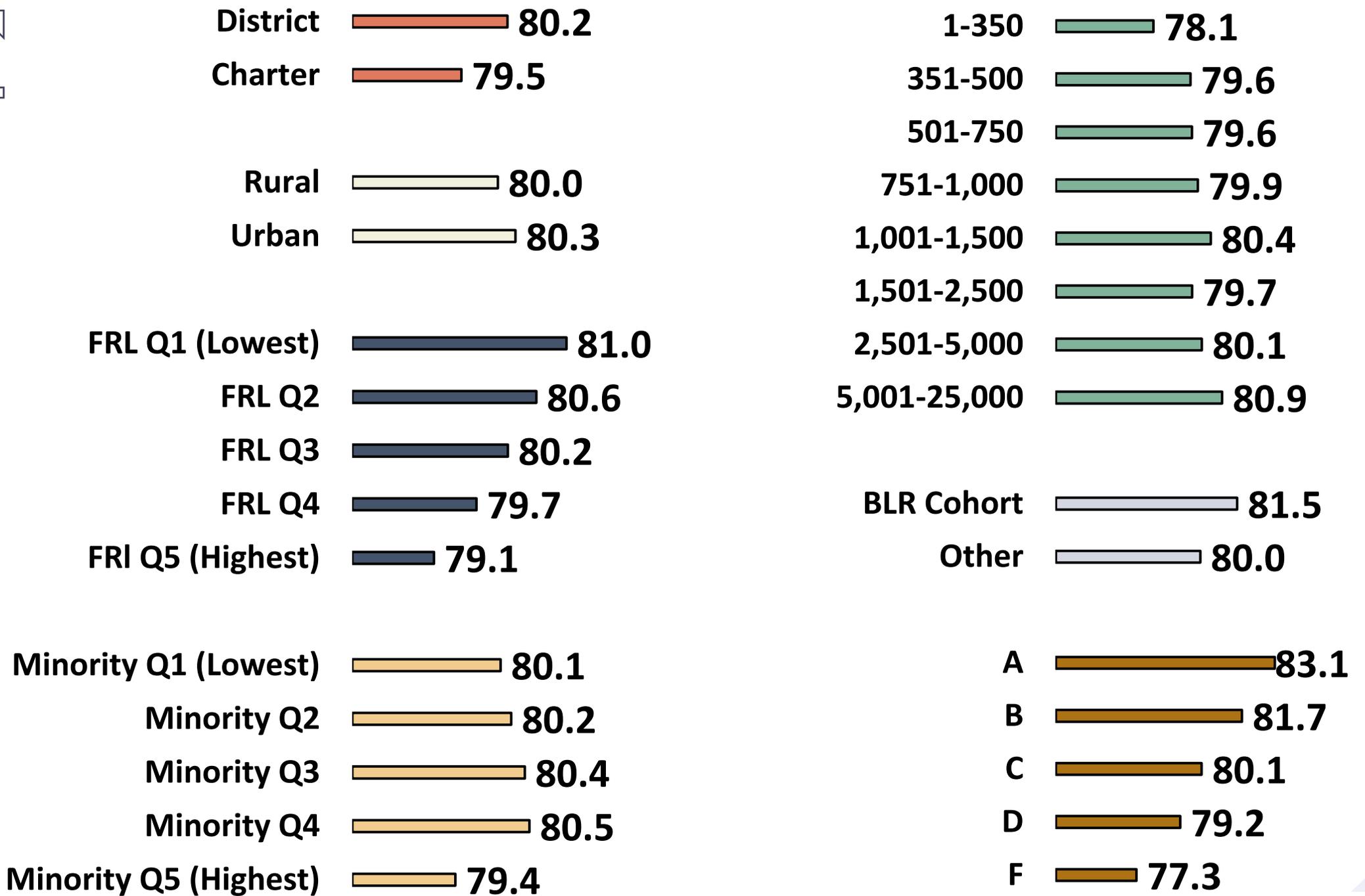
Pct. Scoring Ready or Exceeding - ELA

- 5.9% - 21.4%
- 21.5% - 31.4%
- 31.5% - 39.1%
- 39.2% - 47.5%
- 47.6% - 64.6%

Map prepared by the Bureau of Legislative Research, Policy Analysis & Research Section
School District and County Boundaries from the GIS Office integrated the Arkansas Spatial
Data







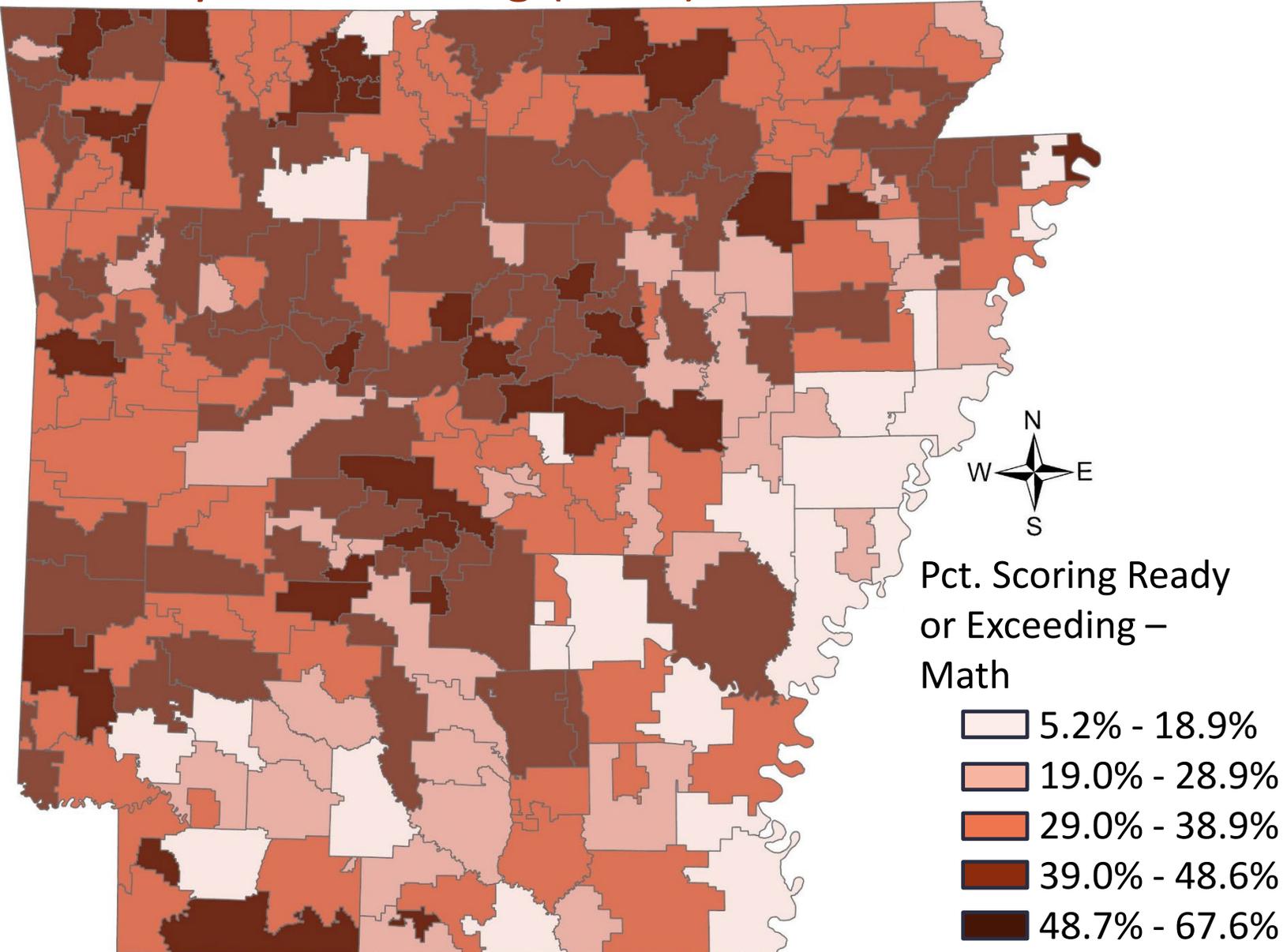
Percent Ready or Exceeding (2023)

ACT ASPIRE – MATH

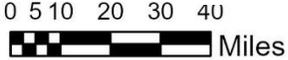
Charters:

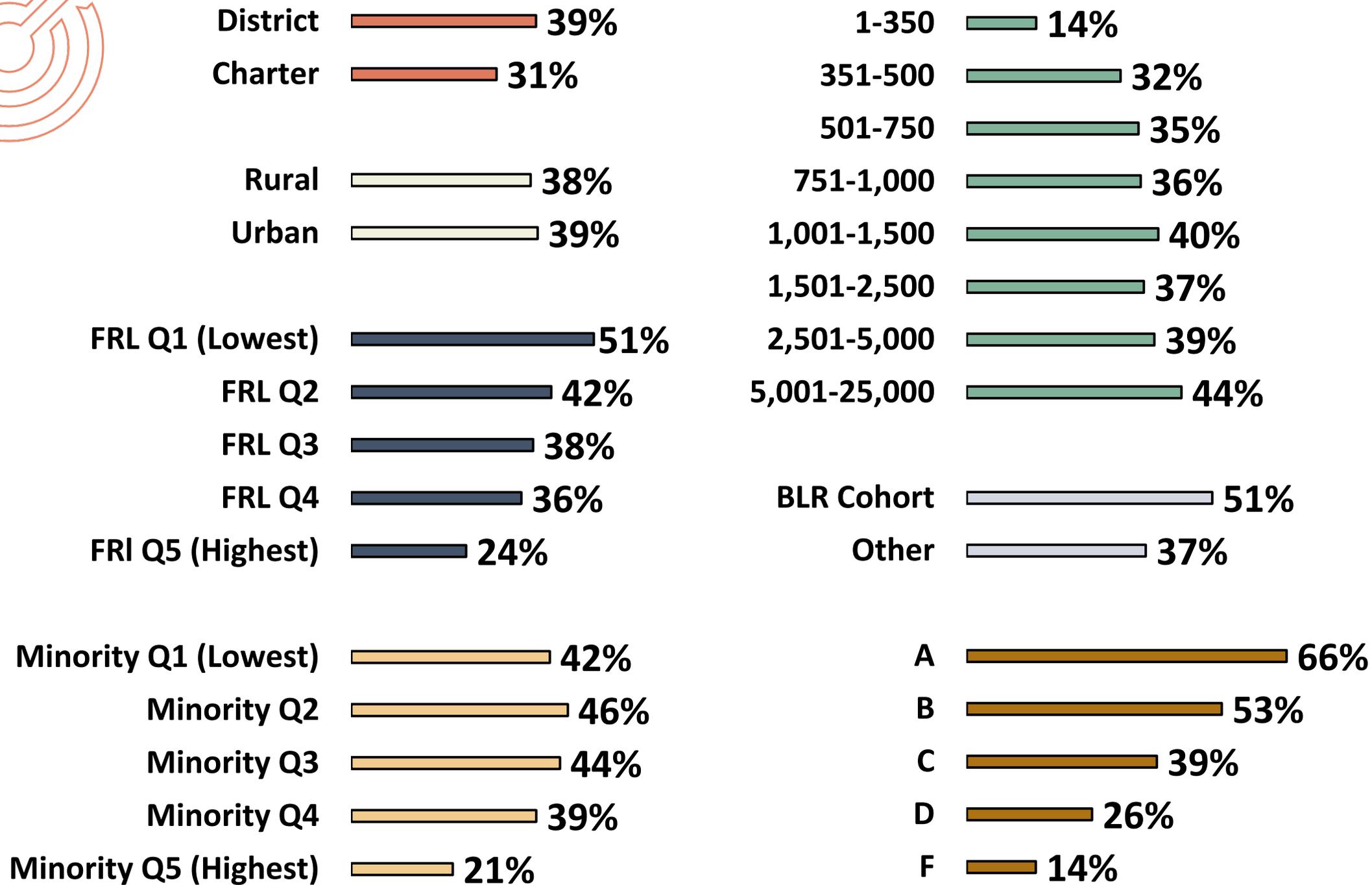
Minimum: 0%

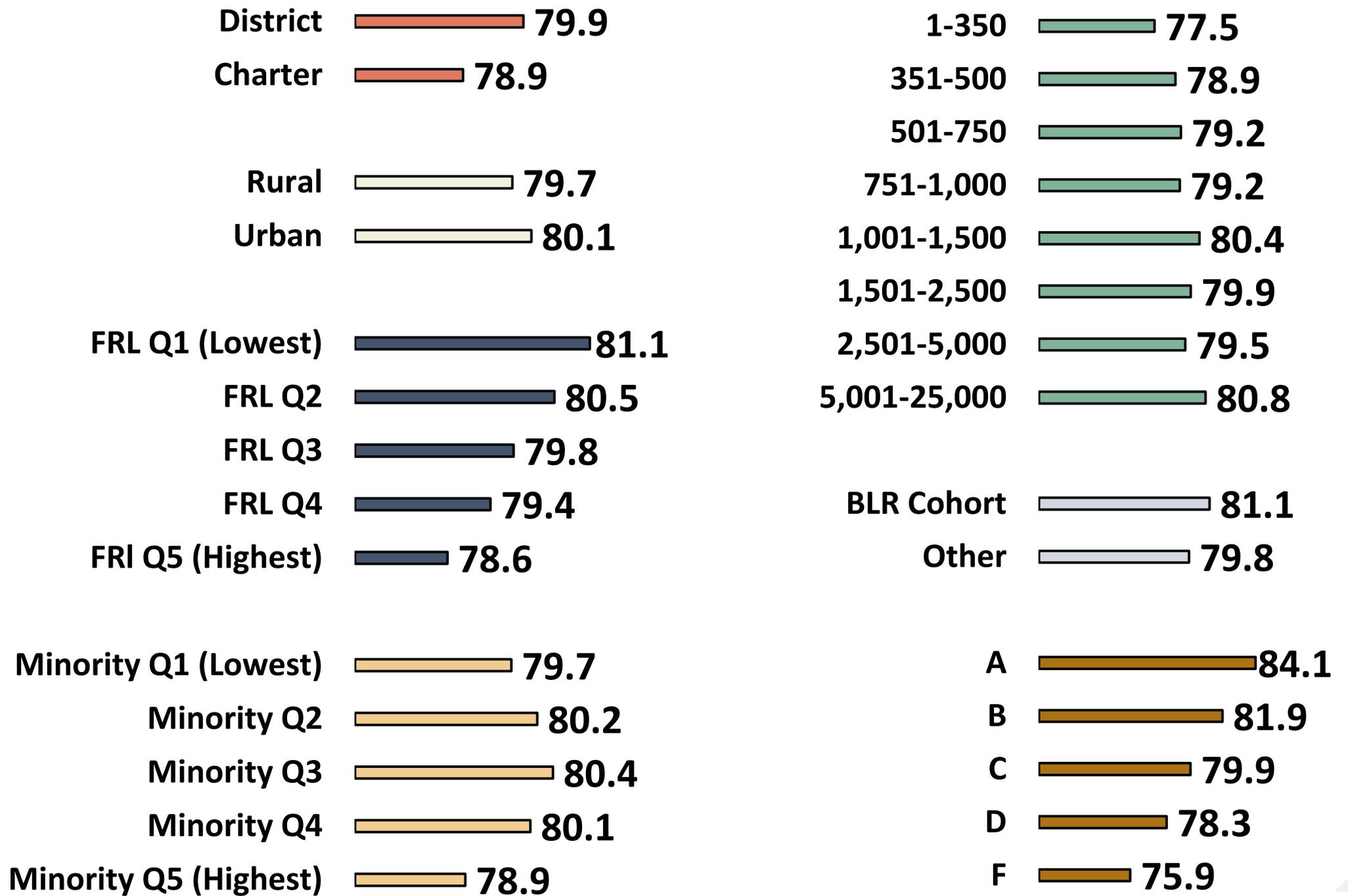
Maximum: 82%



Map prepared by the Bureau of Legislative Research, Policy Analysis & Research Section
School District and County Boundaries from the GIS Office integrated the Arkansas Spatial Data

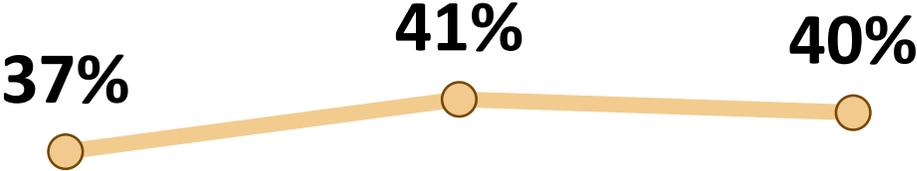




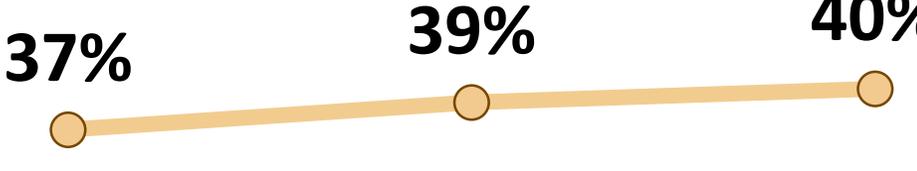


ALTERNATIVE LEARNING ENVIRONMENT (ALE) STUDENTS

Pct. Ready or Exceeding - ELA



Pct. Ready or Exceeding - Math



● Non-ALE ◆ ALE

ALTERNATIVE LEARNING ENVIRONMENT (ALE) STUDENTS

Average Growth Scores - ELA



Average Growth Scores - Math



2021

2022

2023

2021

2022

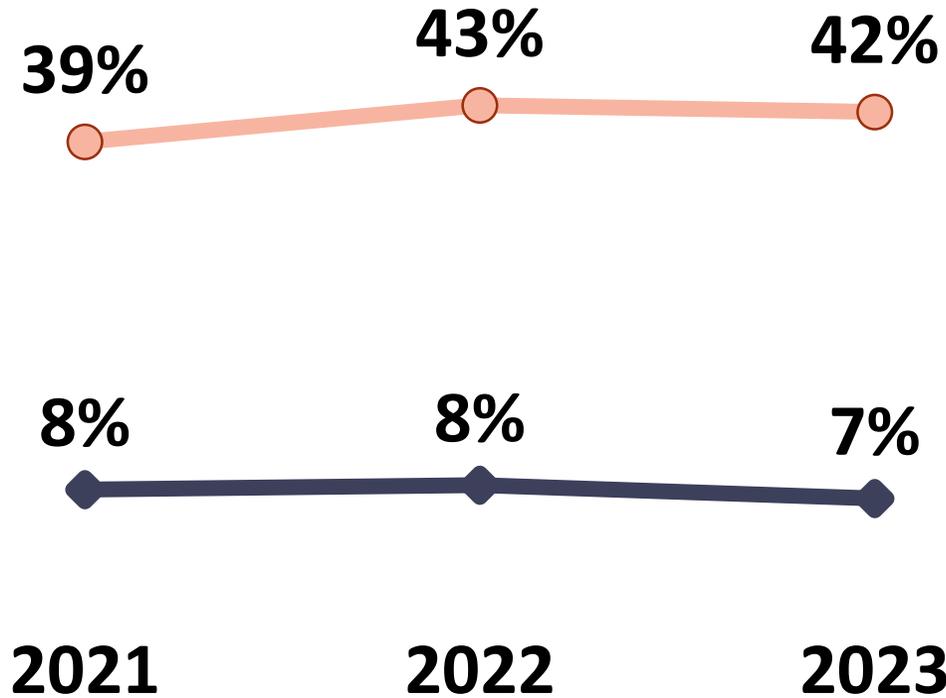
2023

● Non-ALE

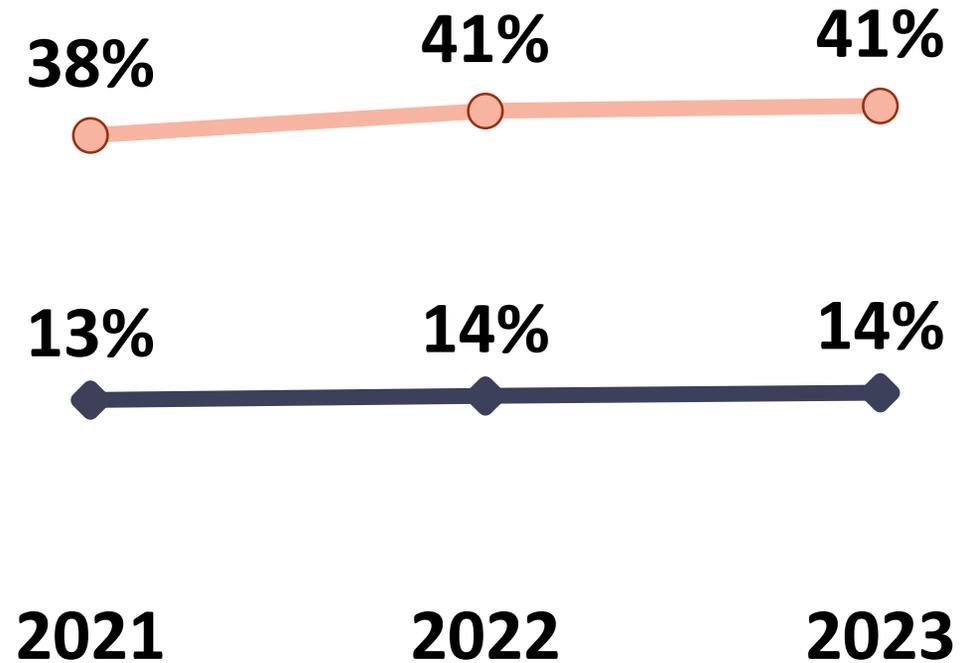
◆ ALE

ENGLISH LANGUAGE LEARNER (ELL) STUDENTS

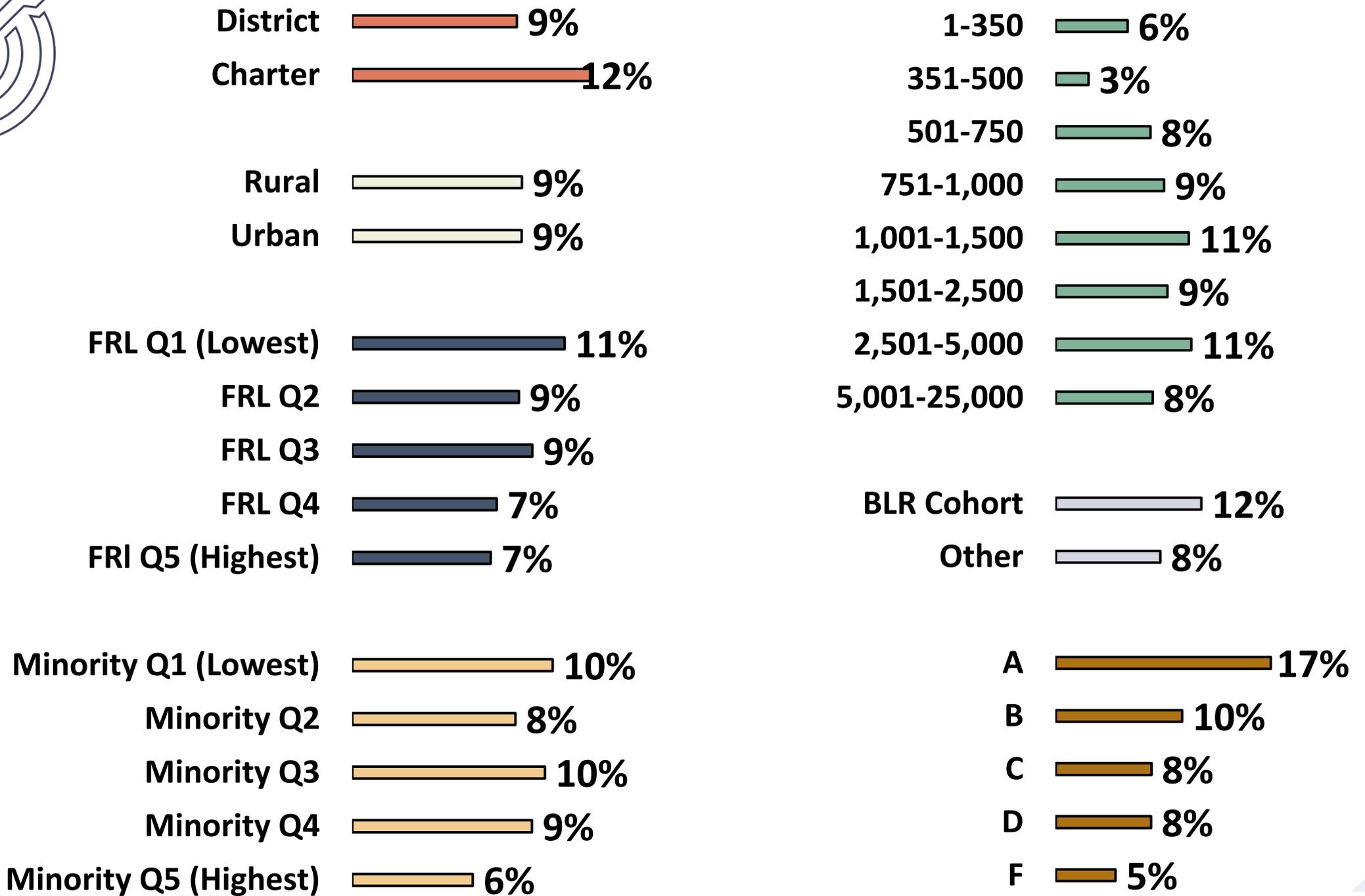
Pct. Ready or Exceeding - ELA

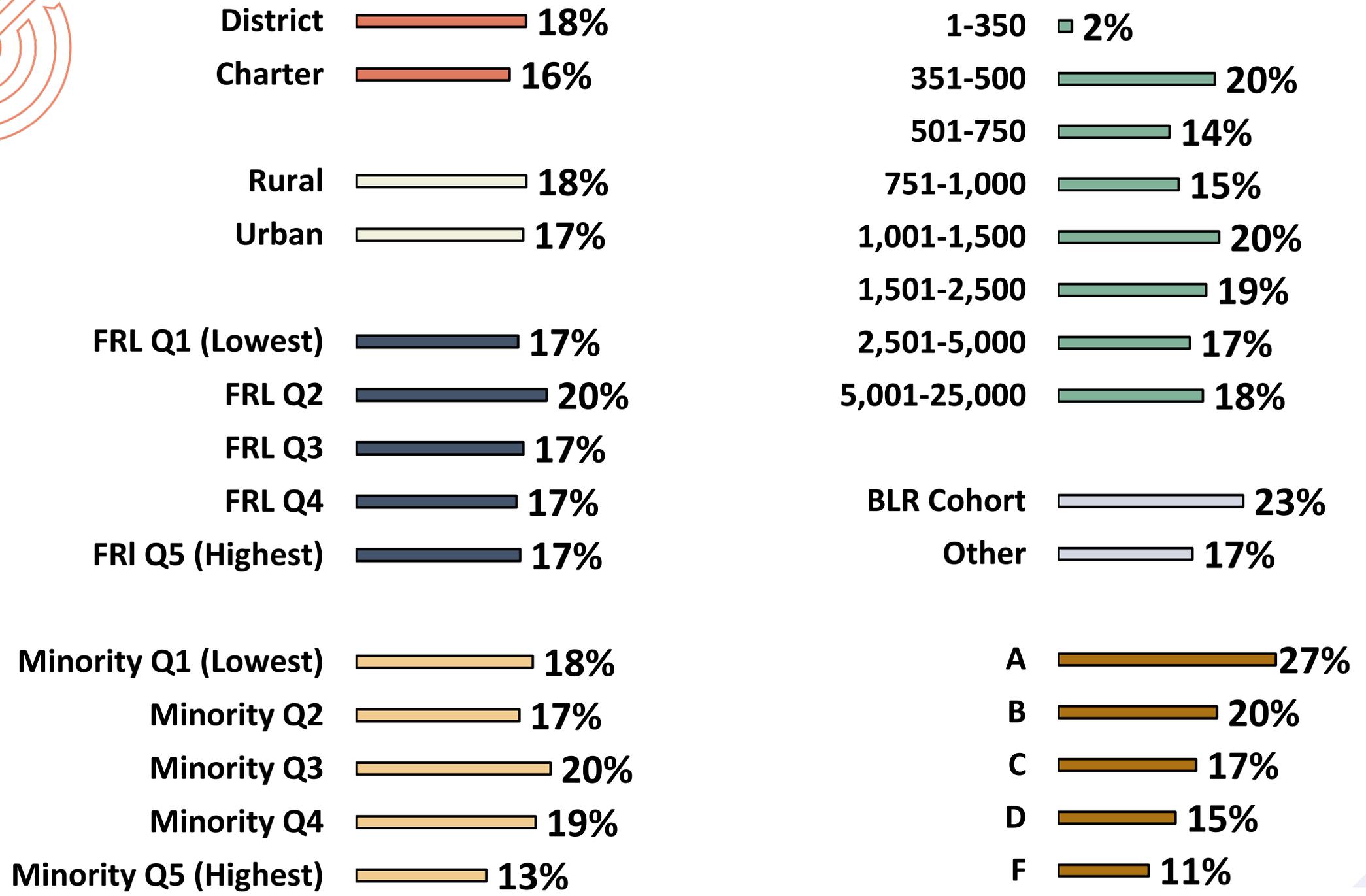


Pct. Ready or Exceeding - Math



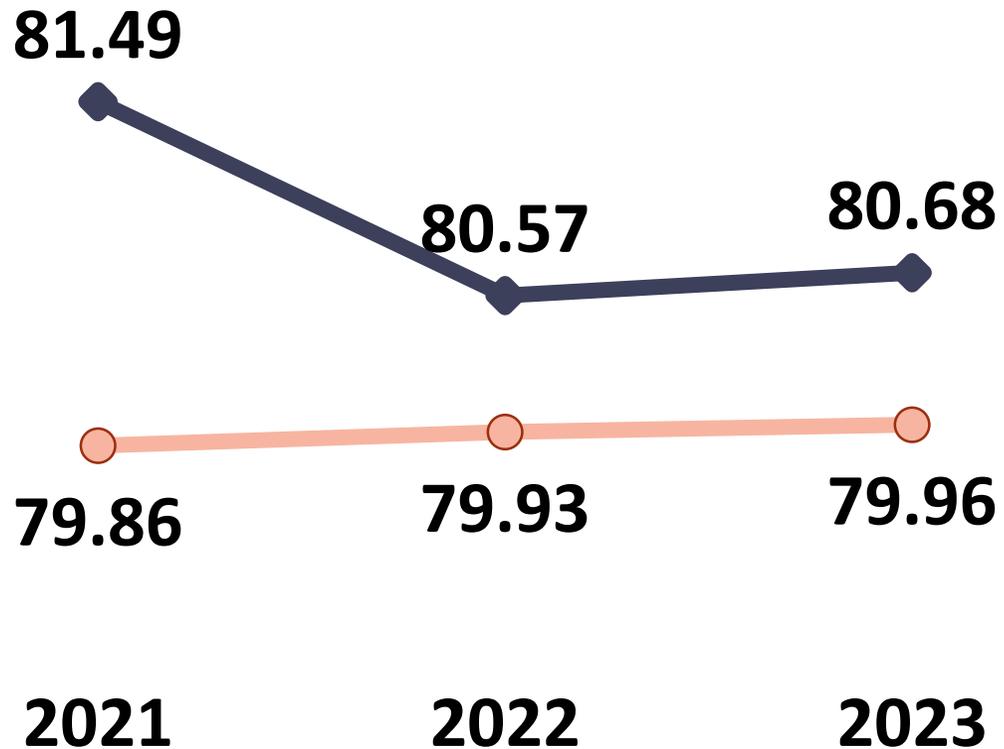
● Non-ELL ◆ ELL



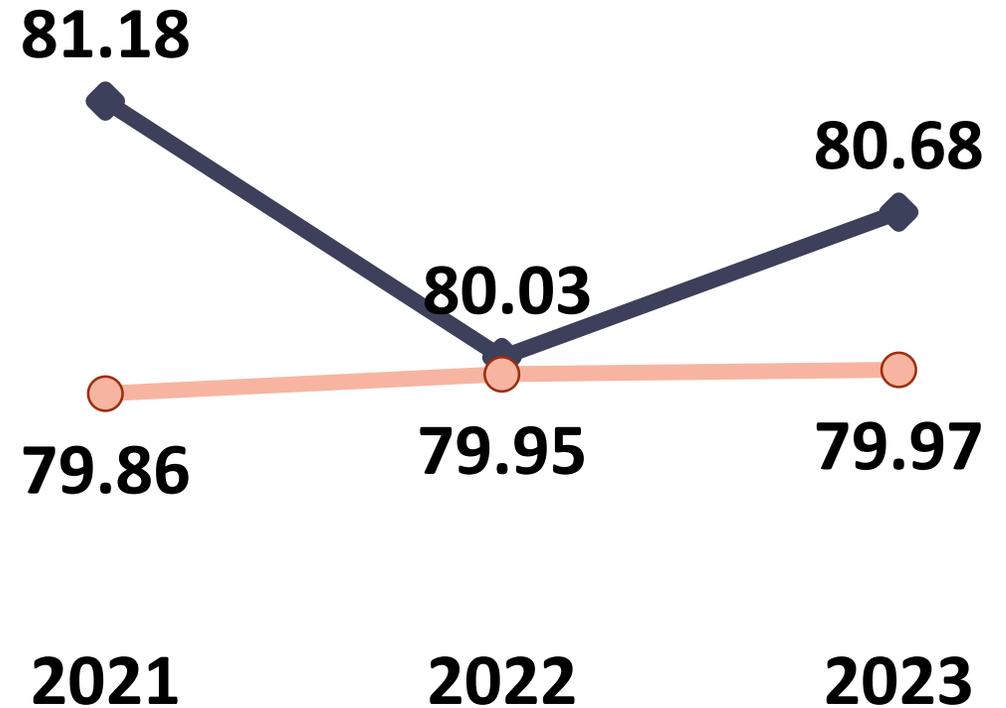


ENGLISH LANGUAGE LEARNER (ELL) STUDENTS

Average Growth Scores - ELA



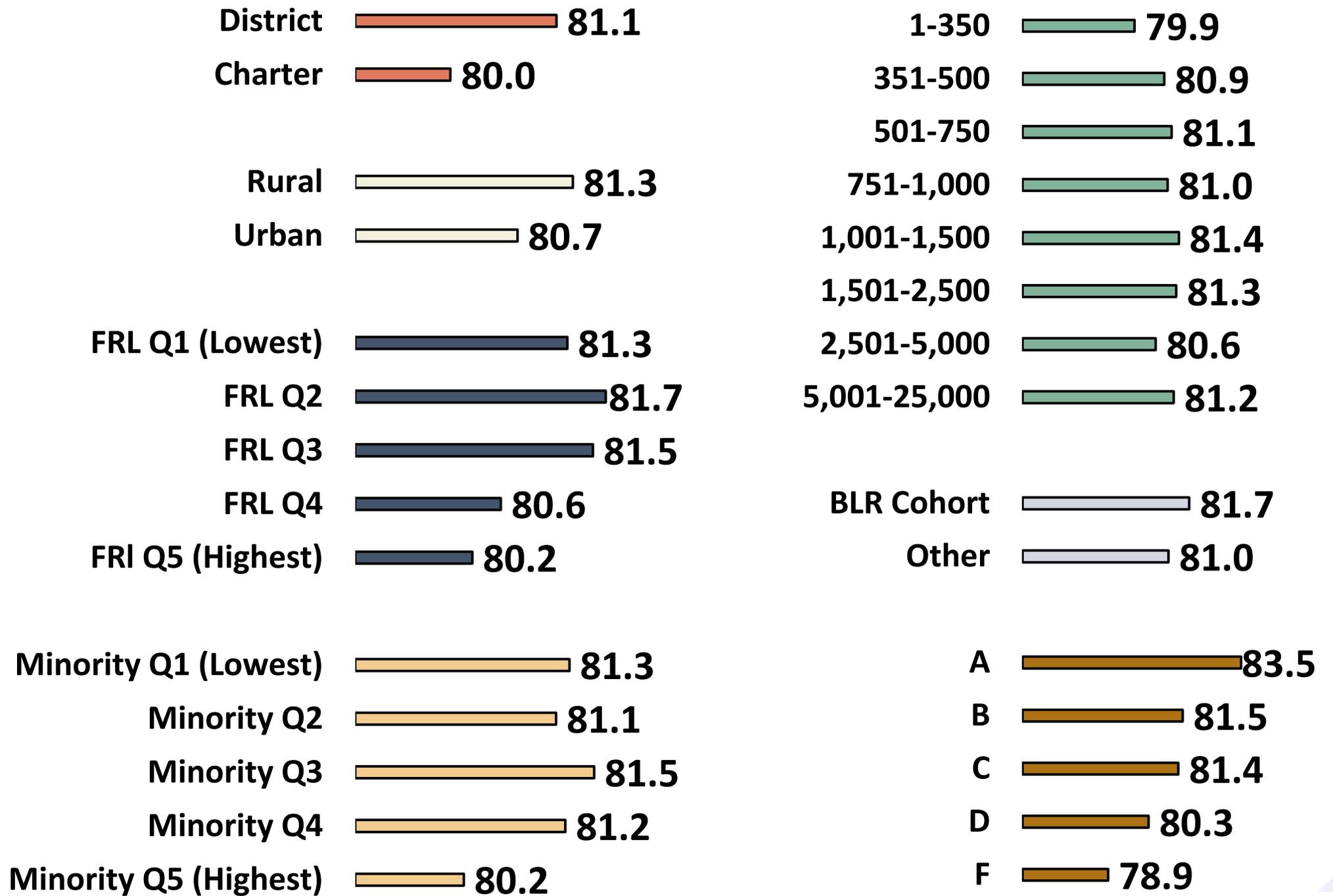
Average Growth Scores - Math

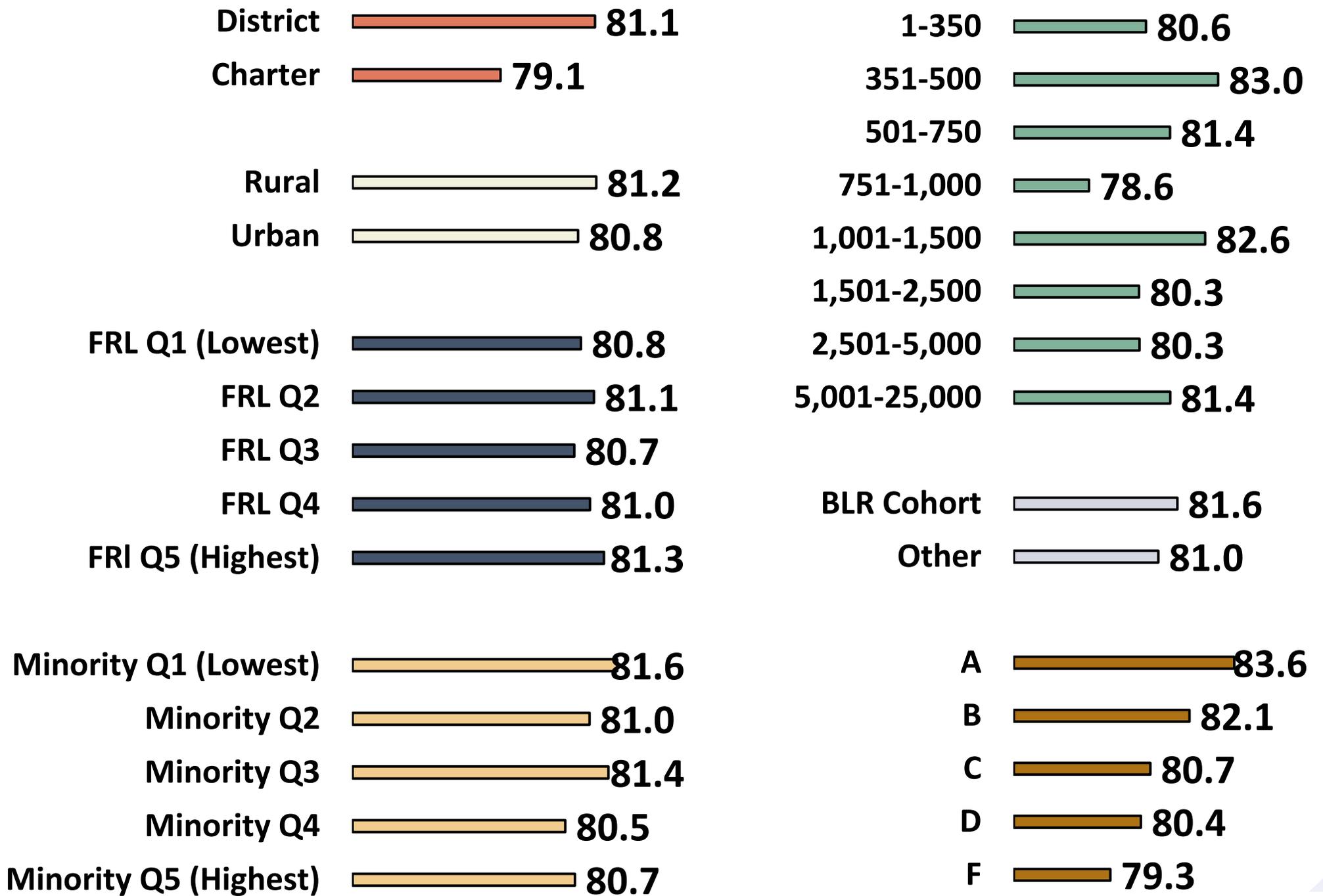


○ Non-ELL ◆ ELL

STUDENT ACHIEVEMENT

Average Growth scores (ELL Students) - ELA



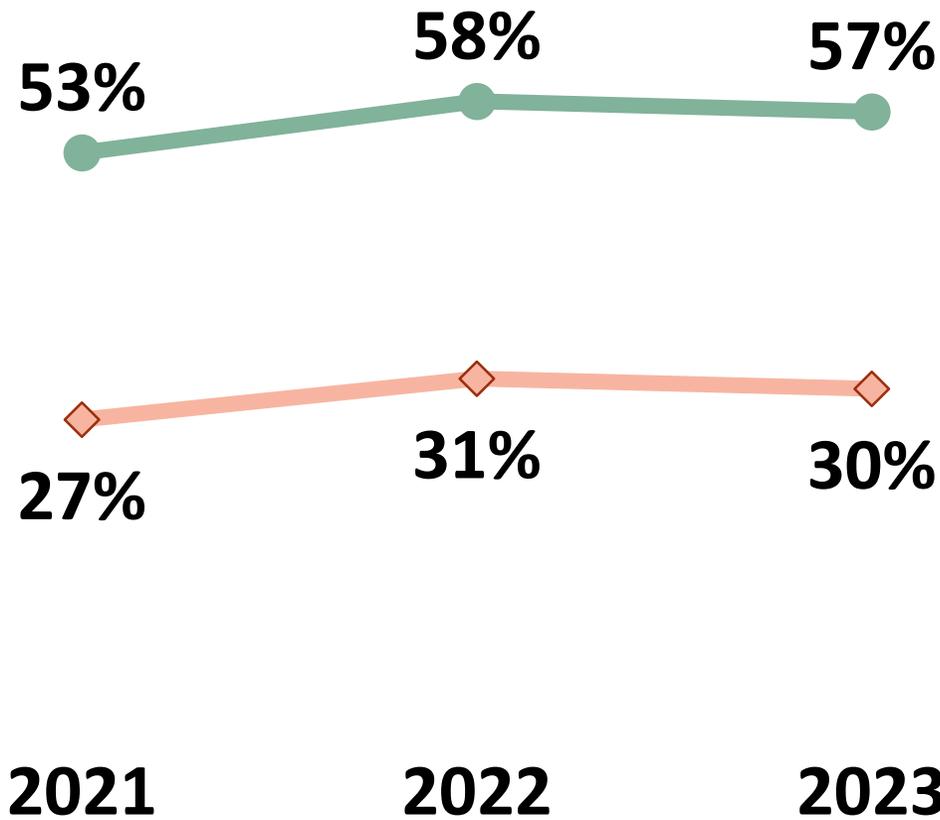


ENGLISH LANGUAGE LEARNER (ELL) STUDENTS

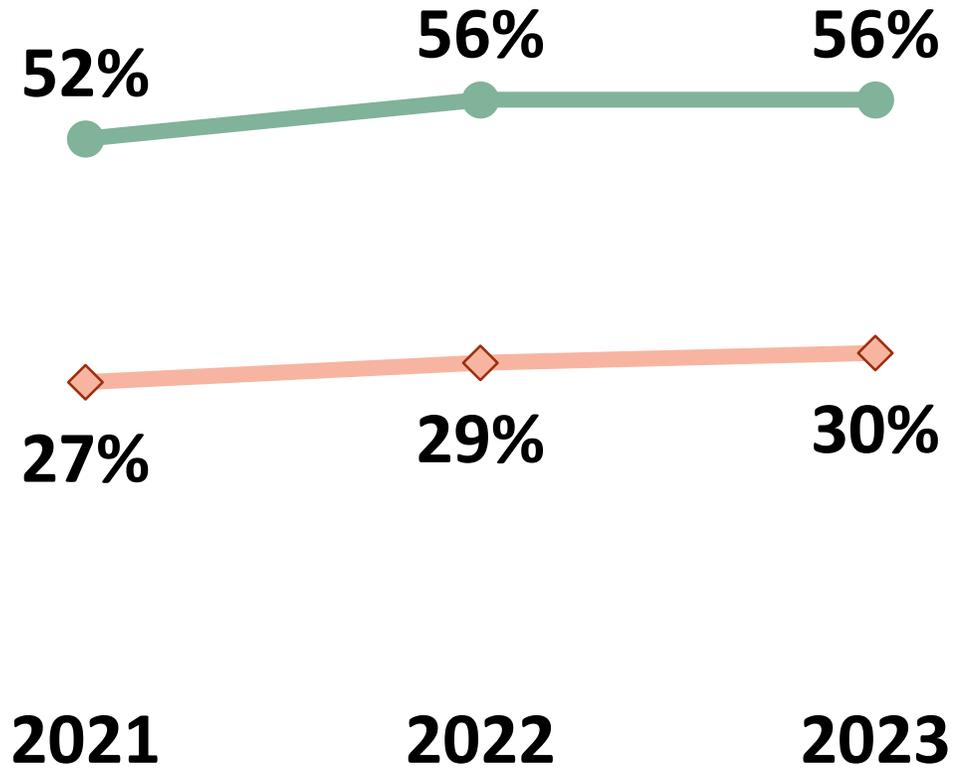
FY23	Pct. Students Scoring Ready or Exceeding		Average Student Growth Scores	
	Monitored Former ELL Students	All Other Students	Monitored Former ELL Students	All Other Students
ELA	54.5%	38.6%	81.3	79.9
Math	57.8%	38.4%	81.8	80.0

FREE OR REDUCED-PRICE LUNCH (FRPL) STUDENTS

Pct. Ready or Exceeding - ELA

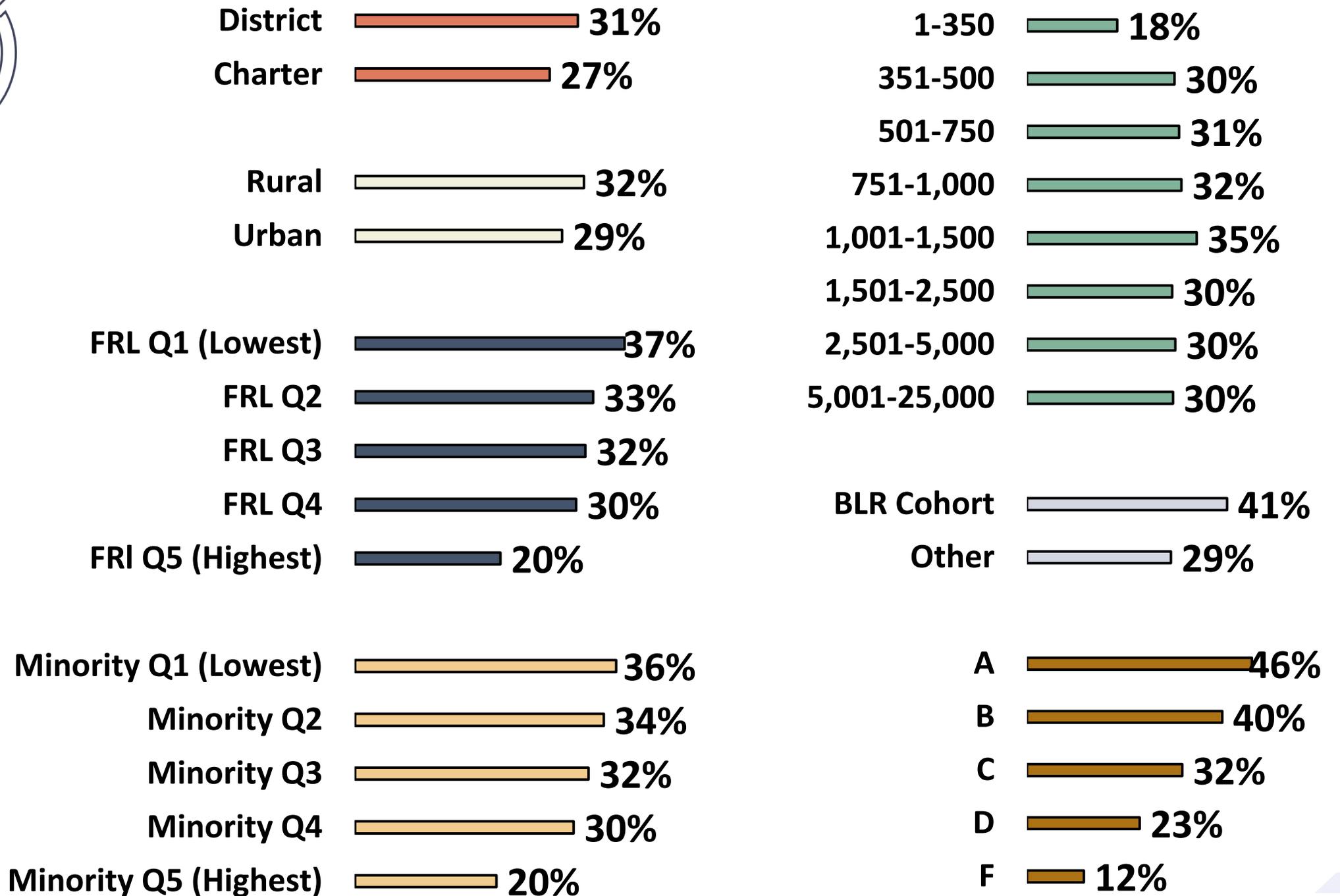


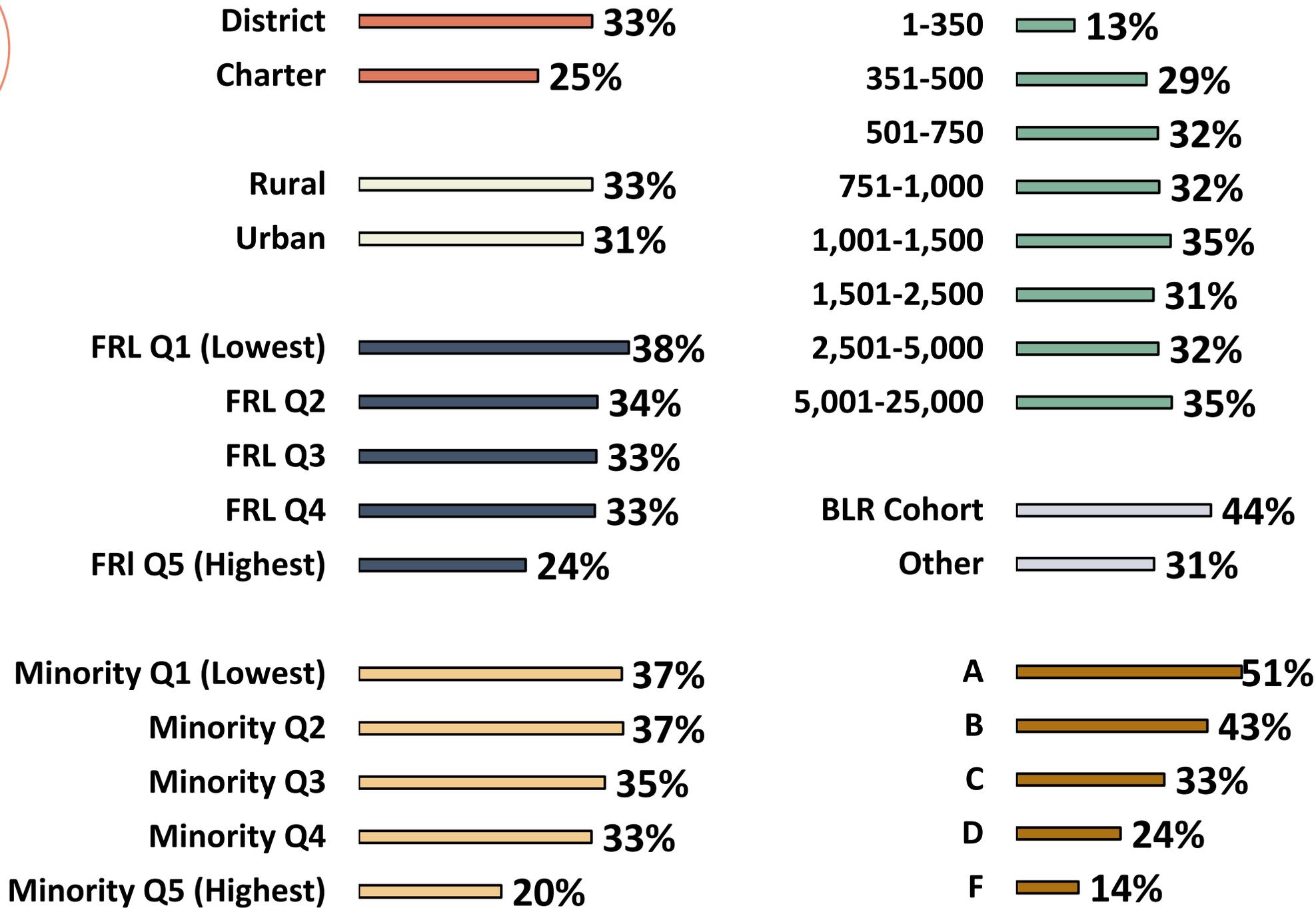
Pct. Ready or Exceeding - Math



● Non-FRPL

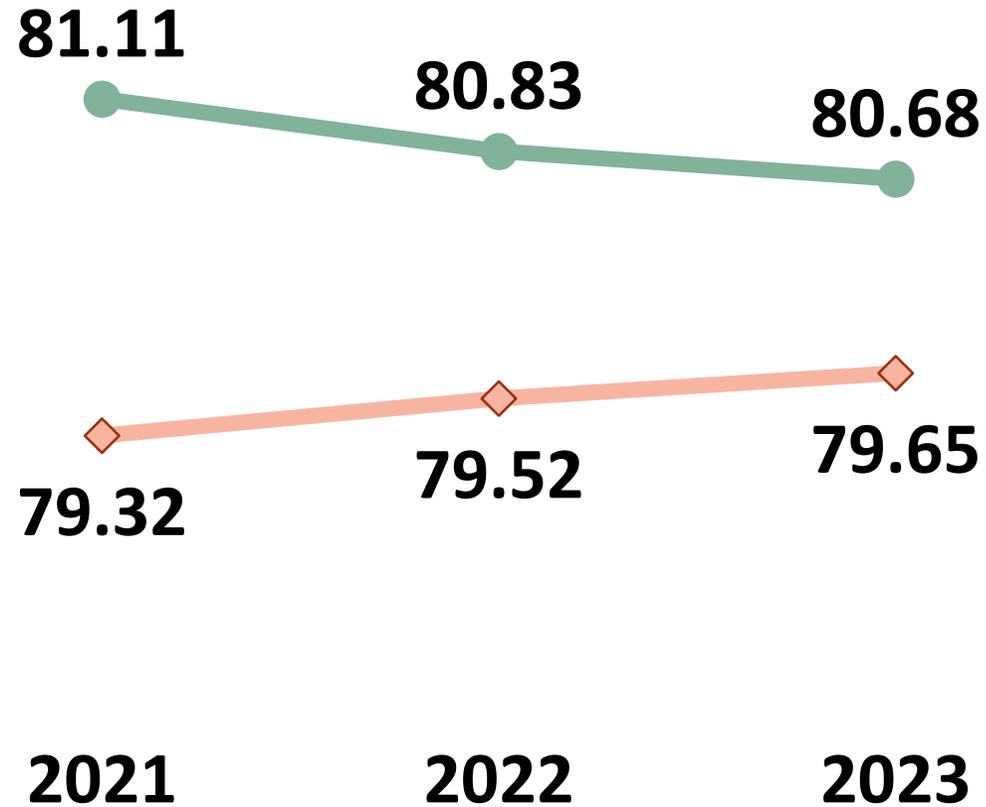
◆ FRPL



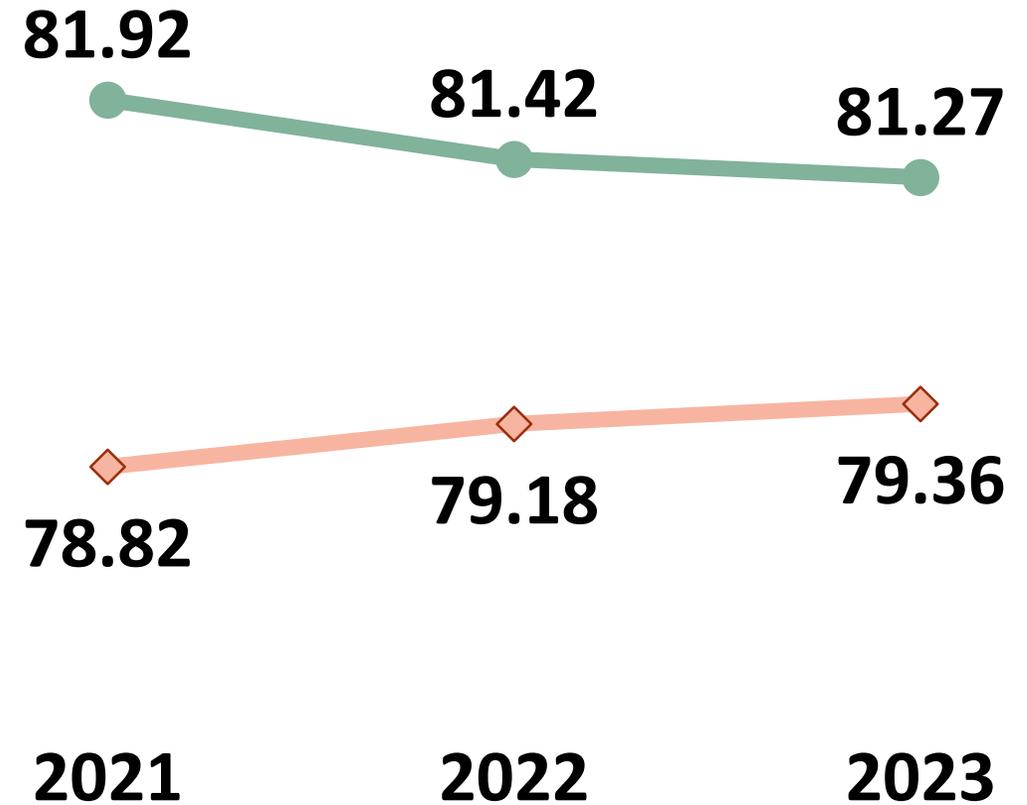


FREE OR REDUCED-PRICE LUNCH (FRPL) STUDENTS

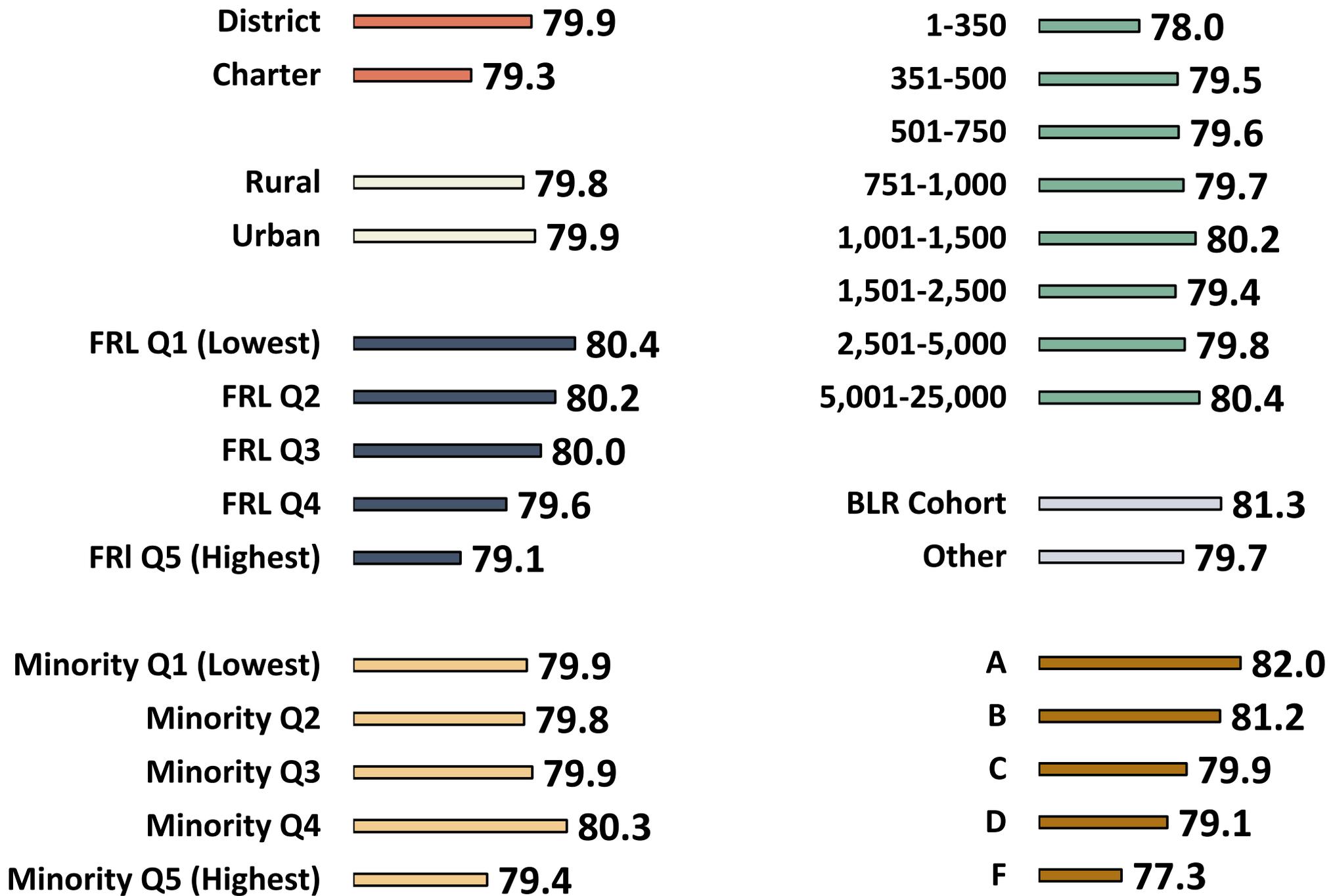
Average Growth Scores - ELA

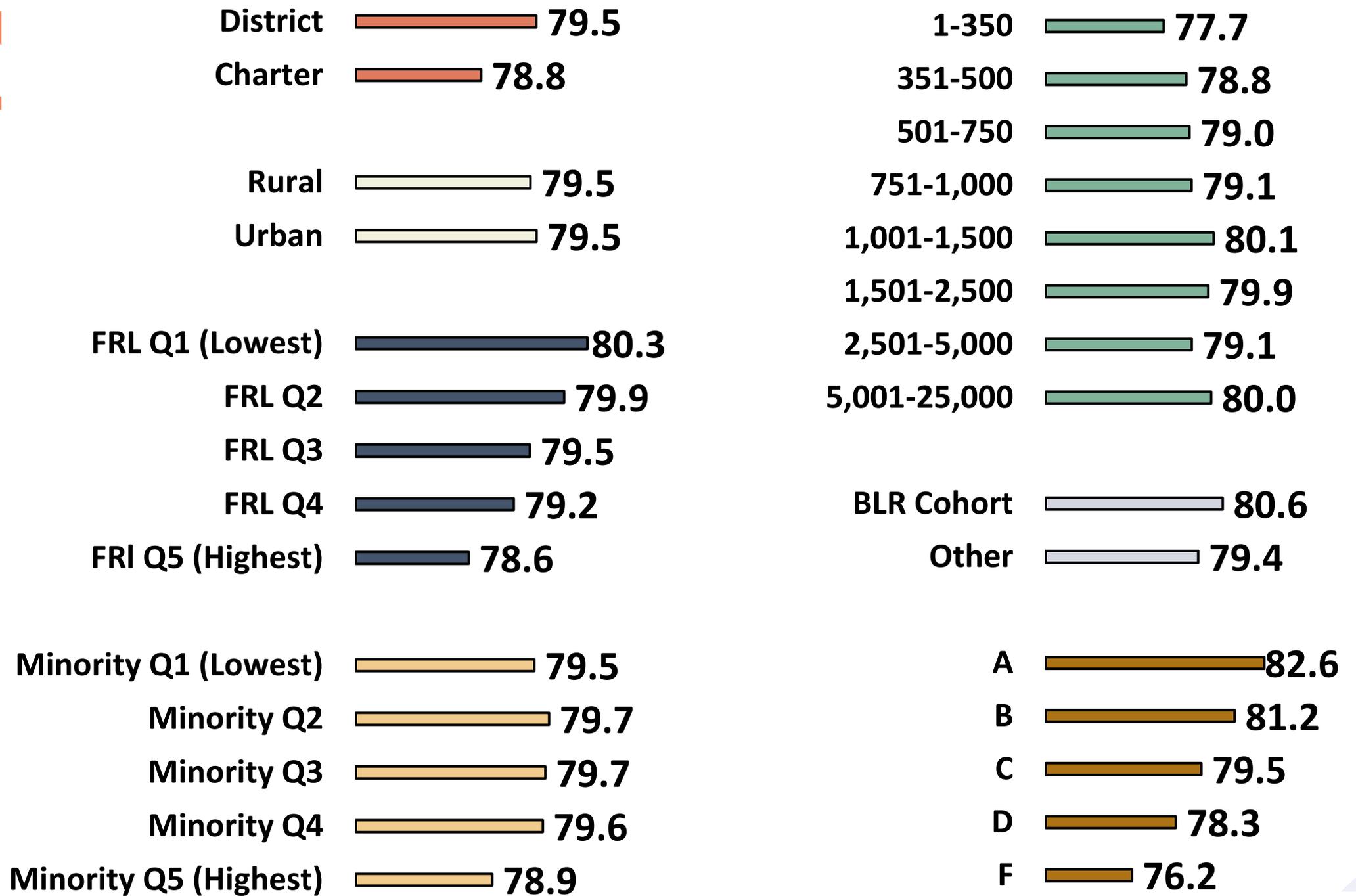


Average Growth Scores - Math



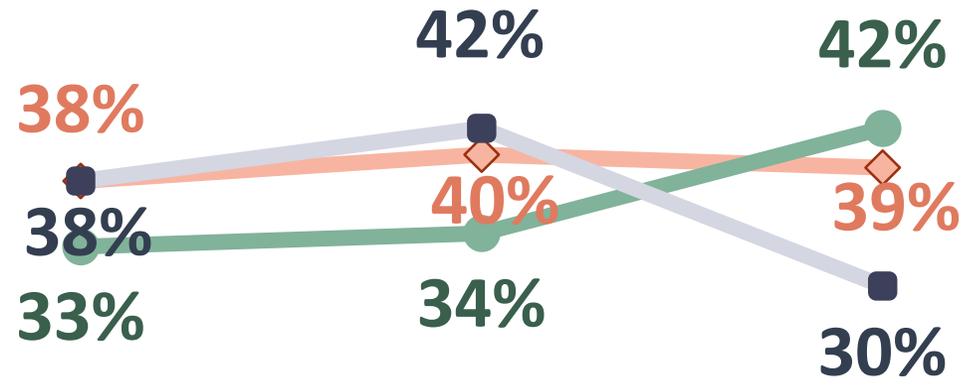
● Non-FRPL ◆ FRPL



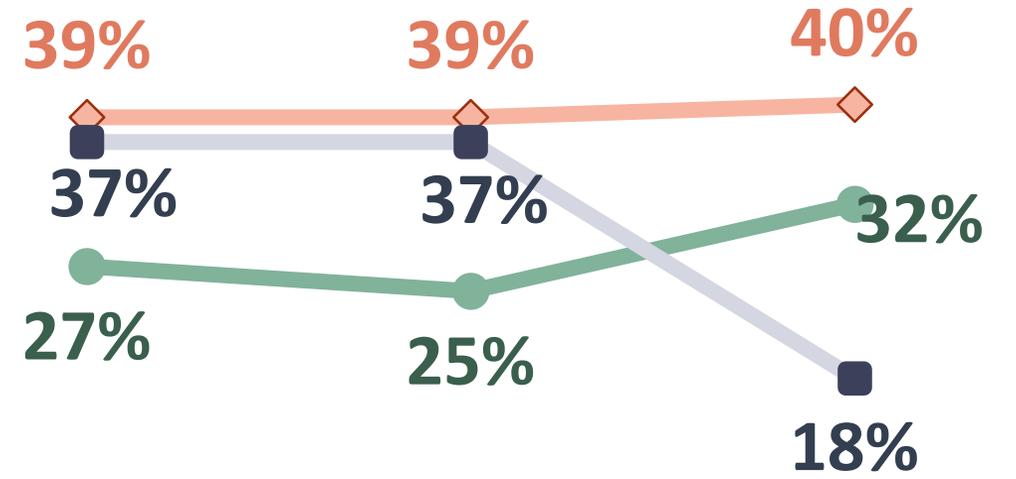


INSTRUCTIONAL METHODS

Pct. Ready or Exceeding - ELA



Pct. Ready or Exceeding - Math



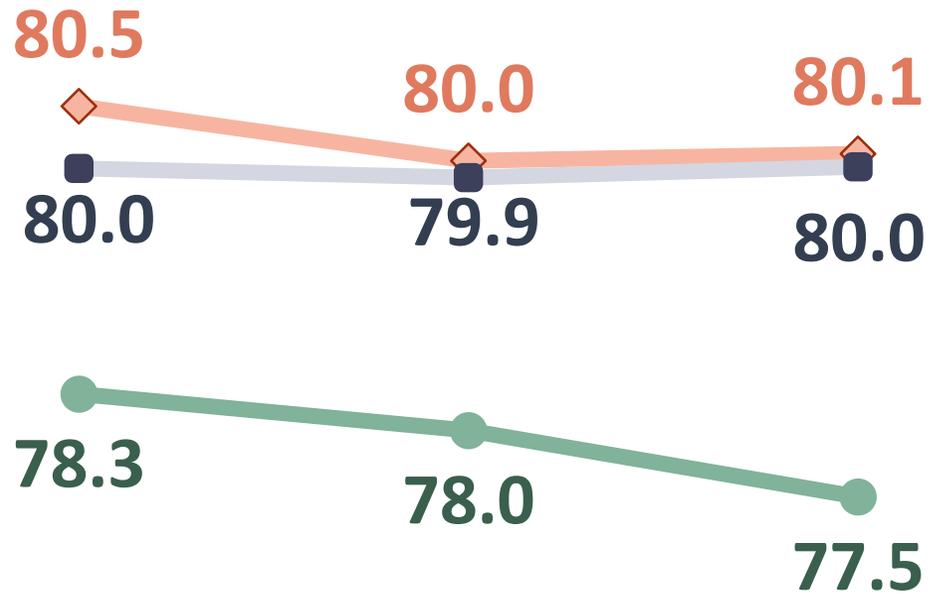
◆ Traditional

■ Virtual

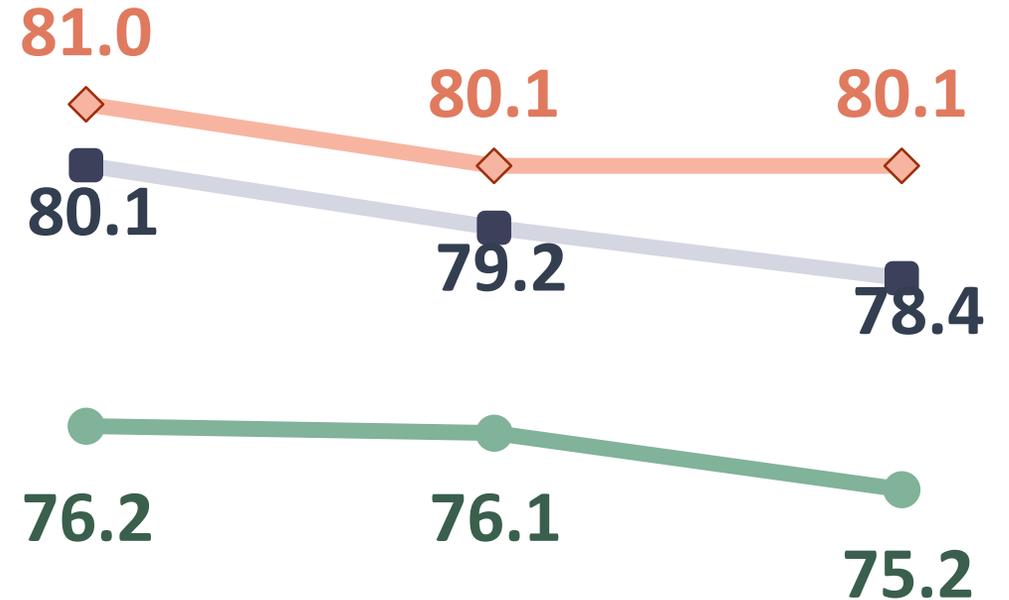
● Hybrid

INSTRUCTIONAL METHODS

Average Growth Scores - ELA



Average Growth Scores - Math



Traditional



Virtual



Hybrid

STUDENTS WITH DISABILITIES

Pct. Ready or Exceeding - ELA

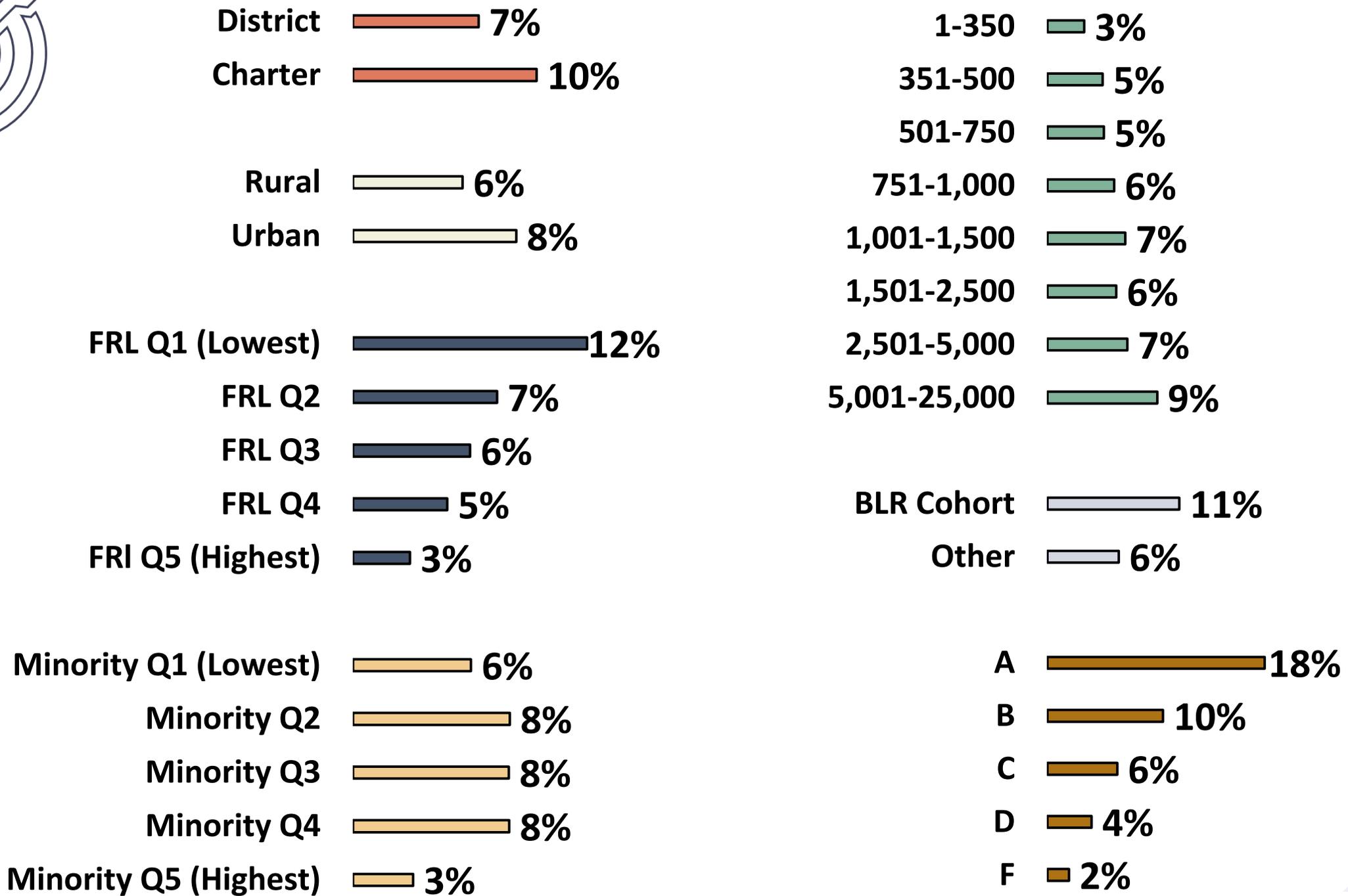


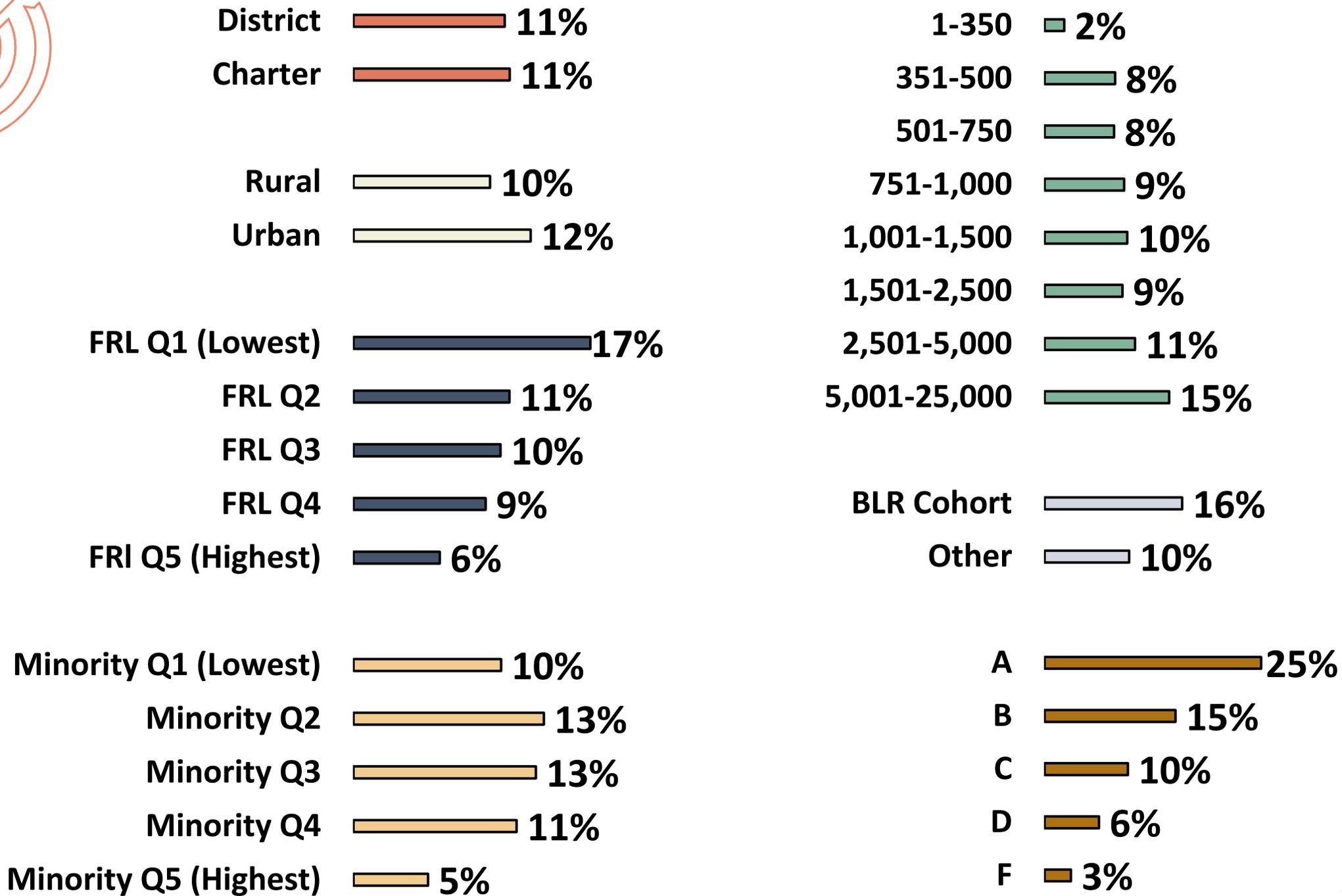
Pct. Ready or Exceeding - Math



● Non-SPED ◆ SPED

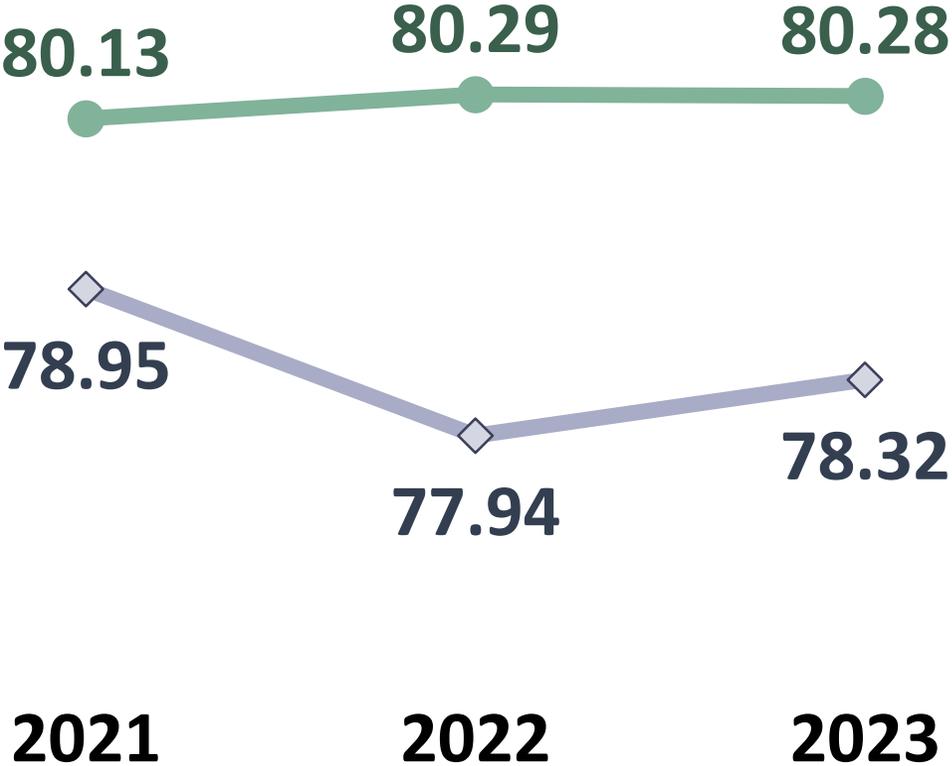
Pct. Ready or Exceeding (Students with Disabilities) - ELA



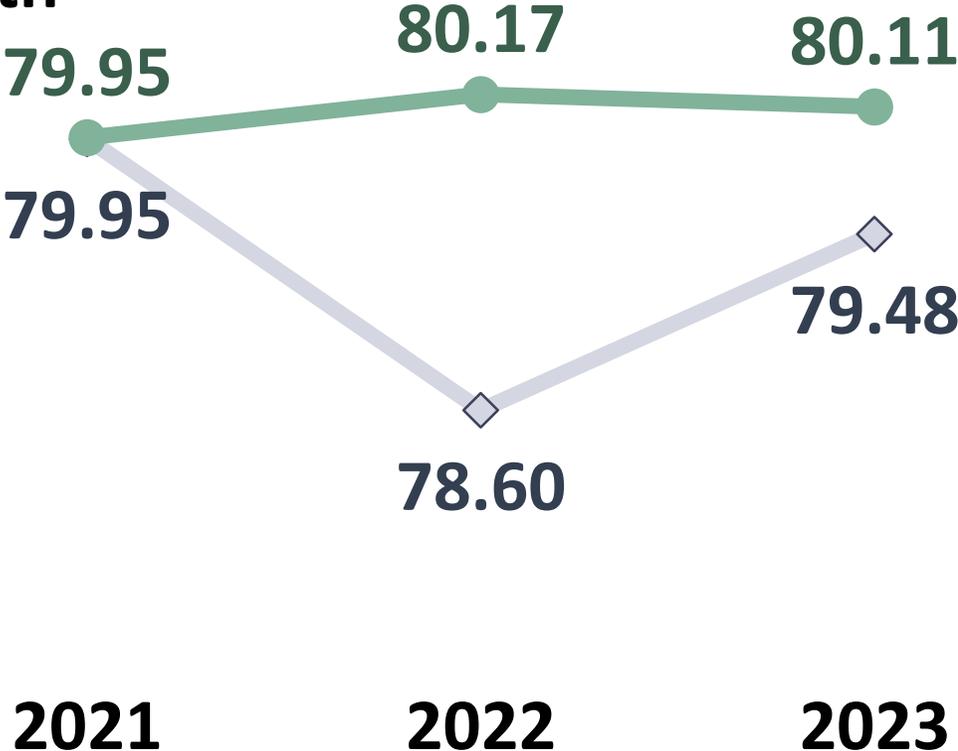


STUDENTS WITH DISABILITIES

Average Growth Scores - ELA



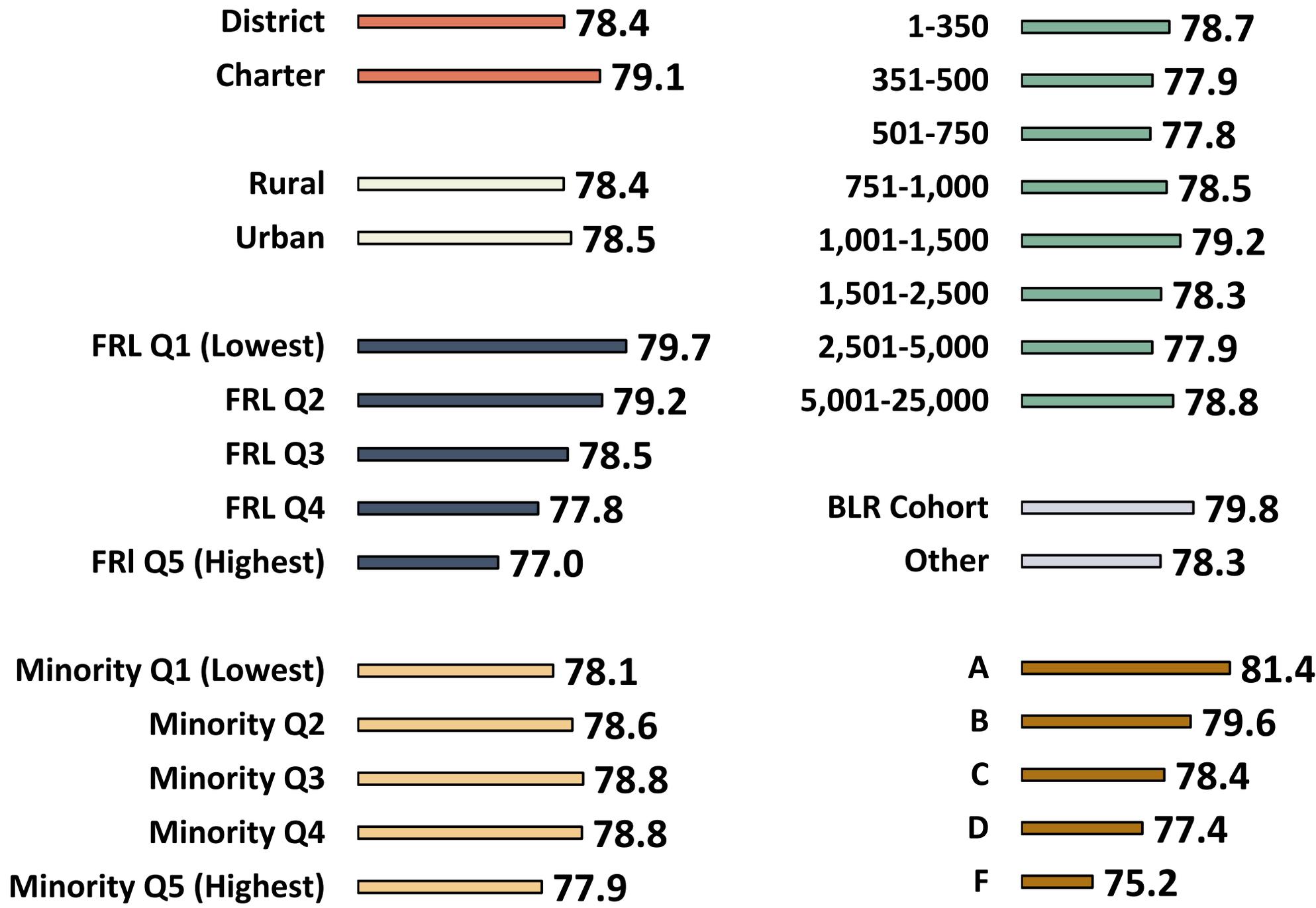
Average Growth Scores - Math

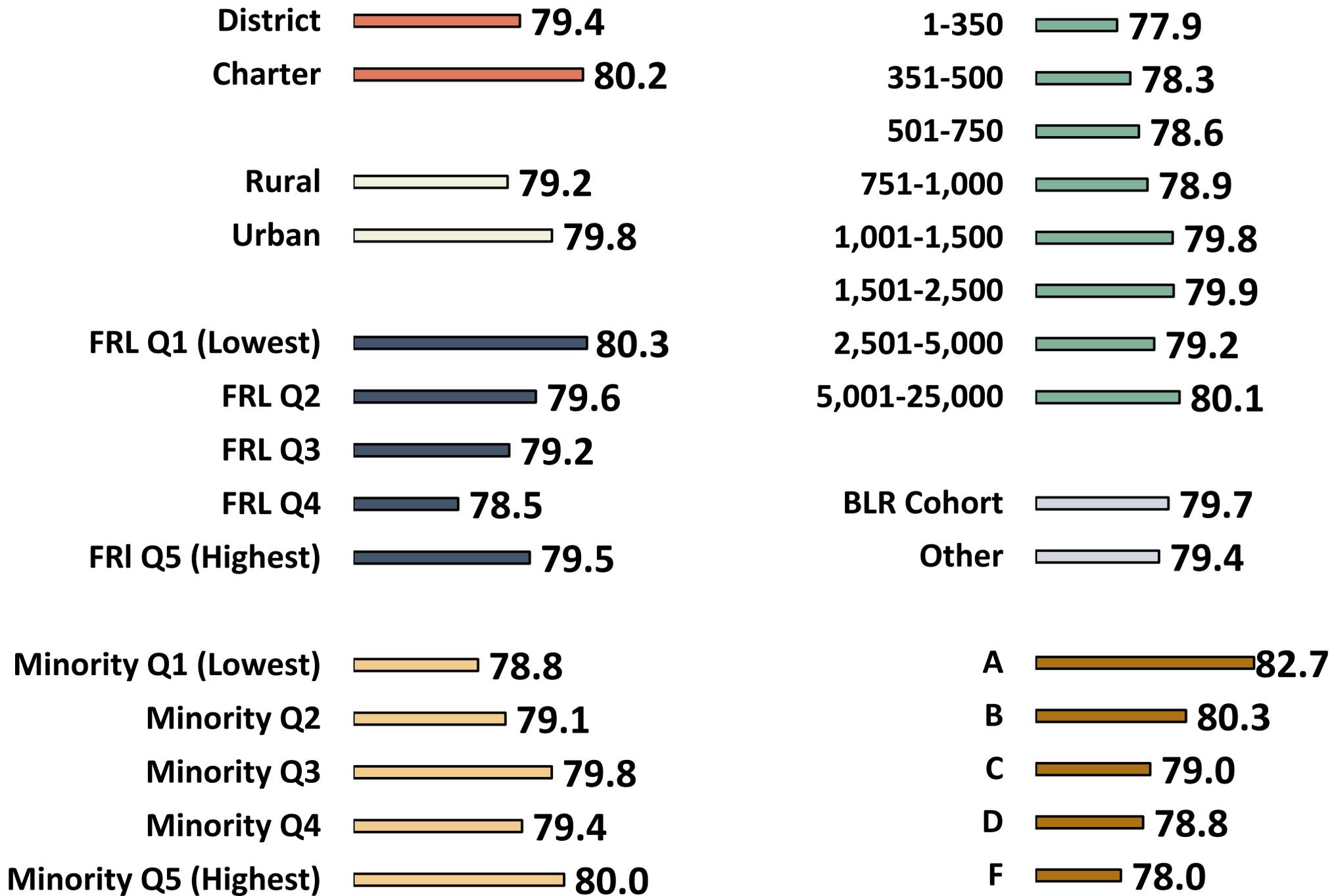


● Non-SPED ◆ SPED

Average Growth Scores (Students with

Disabilities) - ELA







ADDITIONAL ACHIEVEMENT MEASURES FOR SPECIAL POPULATIONS

ADDITIONAL ACHIEVEMENT MEASURES

English Language Learners

- A. ELP Growth Score
- B. ELPA 21
- C. Alt ELPA

Students with Disabilities

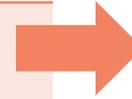
- A. Dynamic Learning Maps

ADDITIONAL ACHIEVEMENT MEASURES

English Language Learners

Achievement Measure	Statewide Average
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ELP Growth Score	83.08
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- **< 80 = Lower Than Expected**
- **80 = Right on Track**
- **> 80 = Higher Than Expected**

Assessment	Pct. Proficient	Students Tested
ELPA 21	9%	39,609
Alt ELPA	12.7%	536

ADDITIONAL ACHIEVEMENT MEASURES

English Language Learners

Achievement Measure	Statewide Average	
ELP Growth Score	83.08	
Assessment	Pct. Proficient	Students Tested
ELPA 21	9%	39,609
Alt ELPA	12.7%	536

Grade Level	Pct. Proficient
K	7%
1	15%
2	26%
3	24%
4	18%
5	12%
6	15%
7	8%
8	6%
HS	16%
<u>FY23</u>	<u>9%</u>

ADDITIONAL ACHIEVEMENT MEASURES

English Language Learners

Achievement Measure	Statewide Average	
ELP Growth Score	83.08	
Assessment	Pct. Proficient	Students Tested
ELPA 21	9%	39,609
Alt ELPA	12.7%	536



Grade Level	Pct. Proficient
K	5%
1 st	4%
2 nd	4%
3 rd	4%
4 th	5%
5 th	6%
6 th	7%
7 th	21%
8 th	20%
9 th	15%
10 th	3%
11 th	23%
12 th	6%
<u>FY23</u>	<u>12.7%</u>

ADDITIONAL ACHIEVEMENT MEASURES

Students with Disabilities – Dynamic Learning Maps

	Math		English Language Arts (ELA)	
	Pct. Students at Target or Advanced	Total Students Tested	Pct. Students at Target or Advanced	Total Students Tested
2021	11.7%	2,428	23.8%	2,451
2022	12.2%	2,474	23.9%	2,475
2023	13.3%	2,590	25.7%	2,598



HIGH SCHOOL GRADUATION RATES

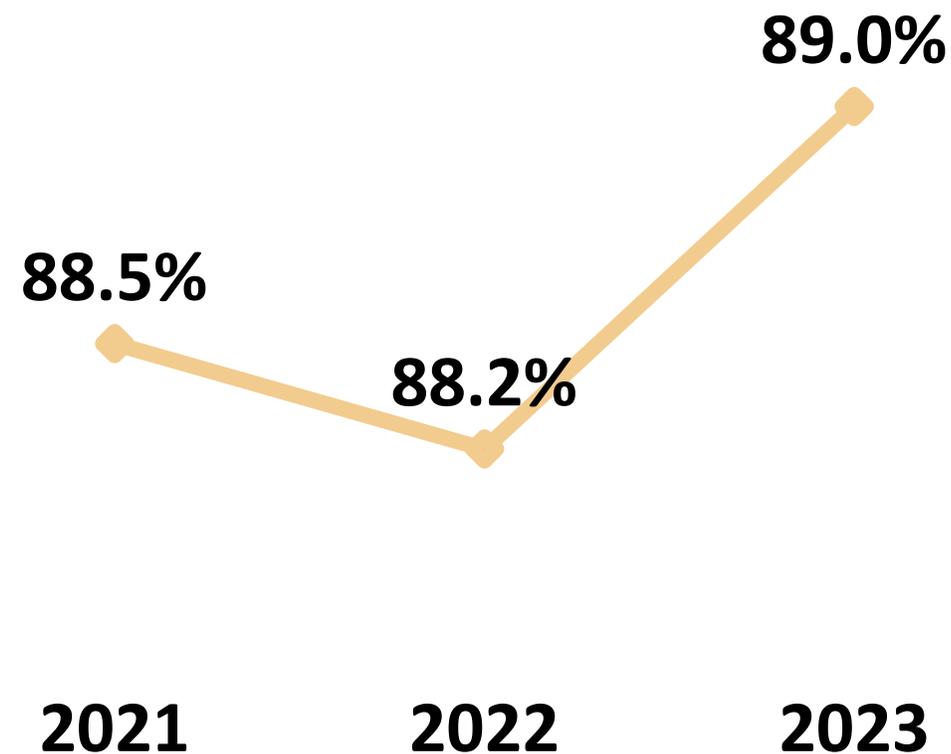


GRADUATION RATES

Four-Year Graduation Rates

- Based on students who graduate from high school in four years (including students with most significant cognitive disabilities who receive alternative diploma)

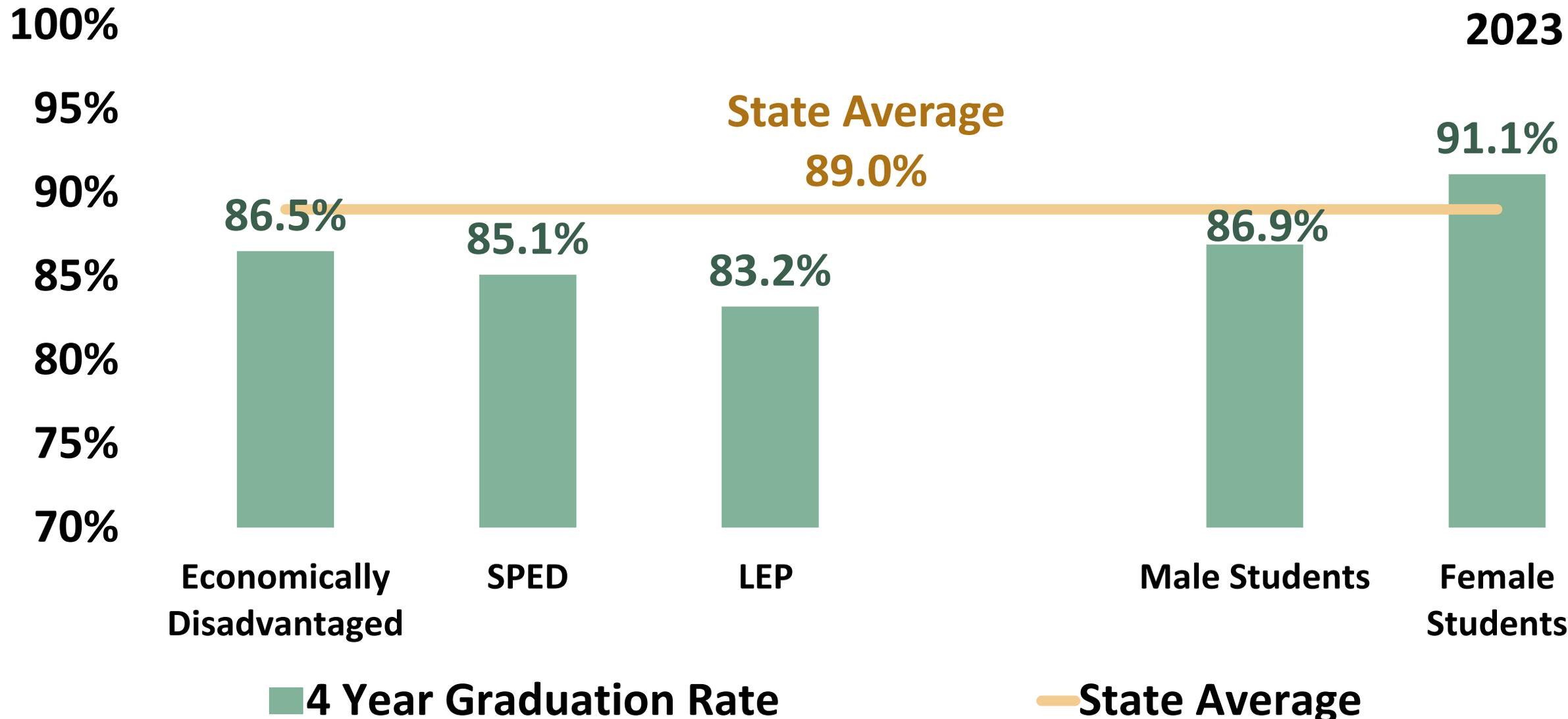
Arkansas Four-Year Graduation Rates



Data Source: DESE. "Graduation Rate/Graduation Rate Files." Retrieved from: <https://adesandbox.arkansas.gov/project?v=fMTc0ZjVhNzJiIMDY0MDkzMGJjOWQzN2ZmNGRkYzgzMTI>

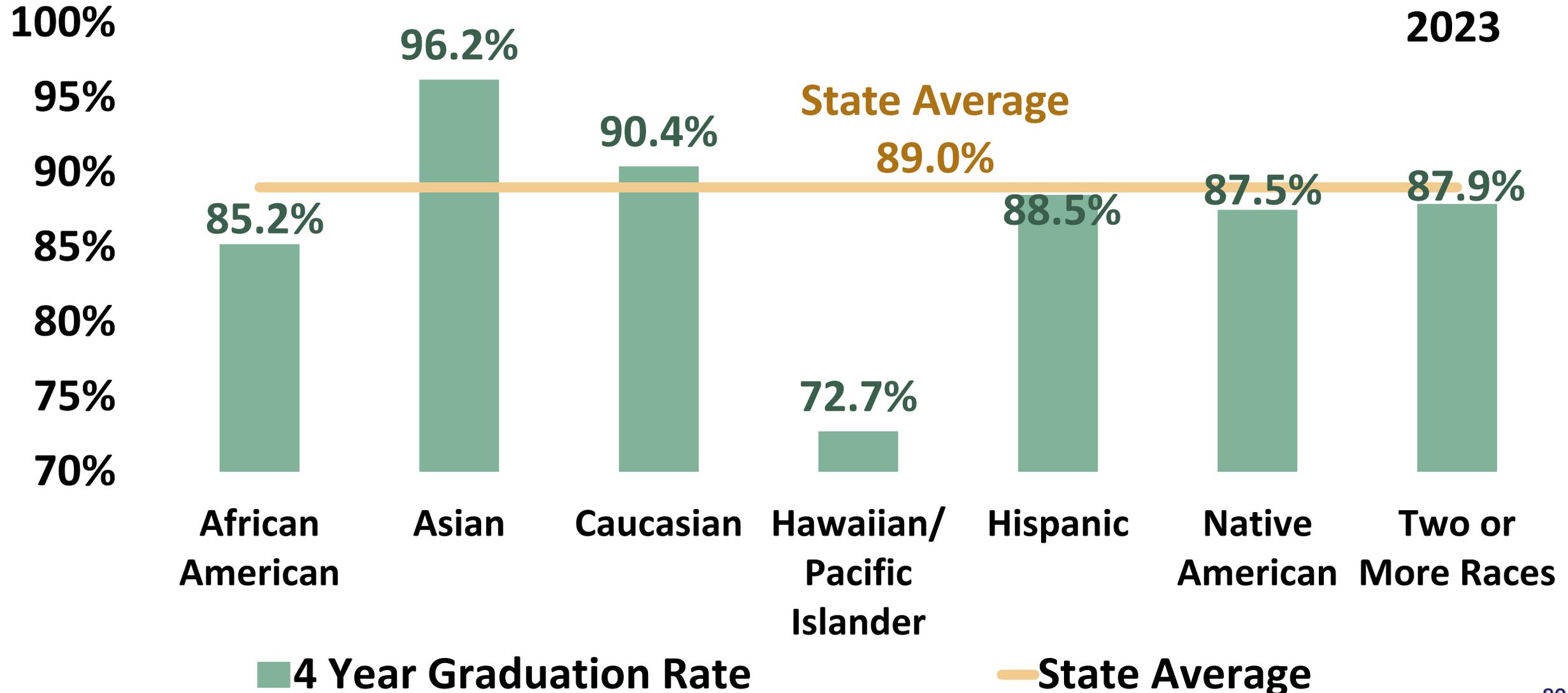


GRADUATION RATES





GRADUATION RATES



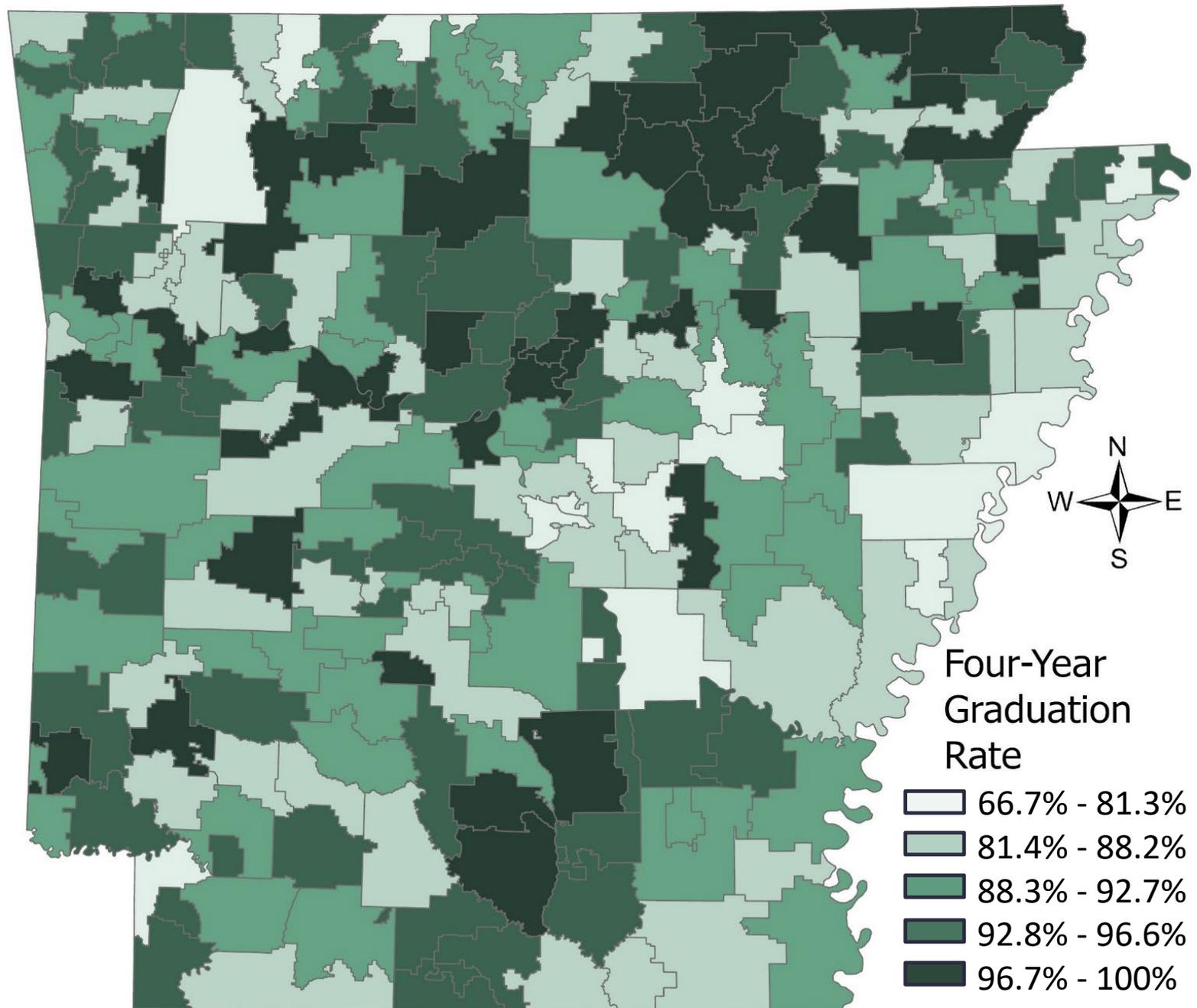


4 YEAR GRAD RATES – BY DISTRICT (2023)

Charters

Lowest: 41%

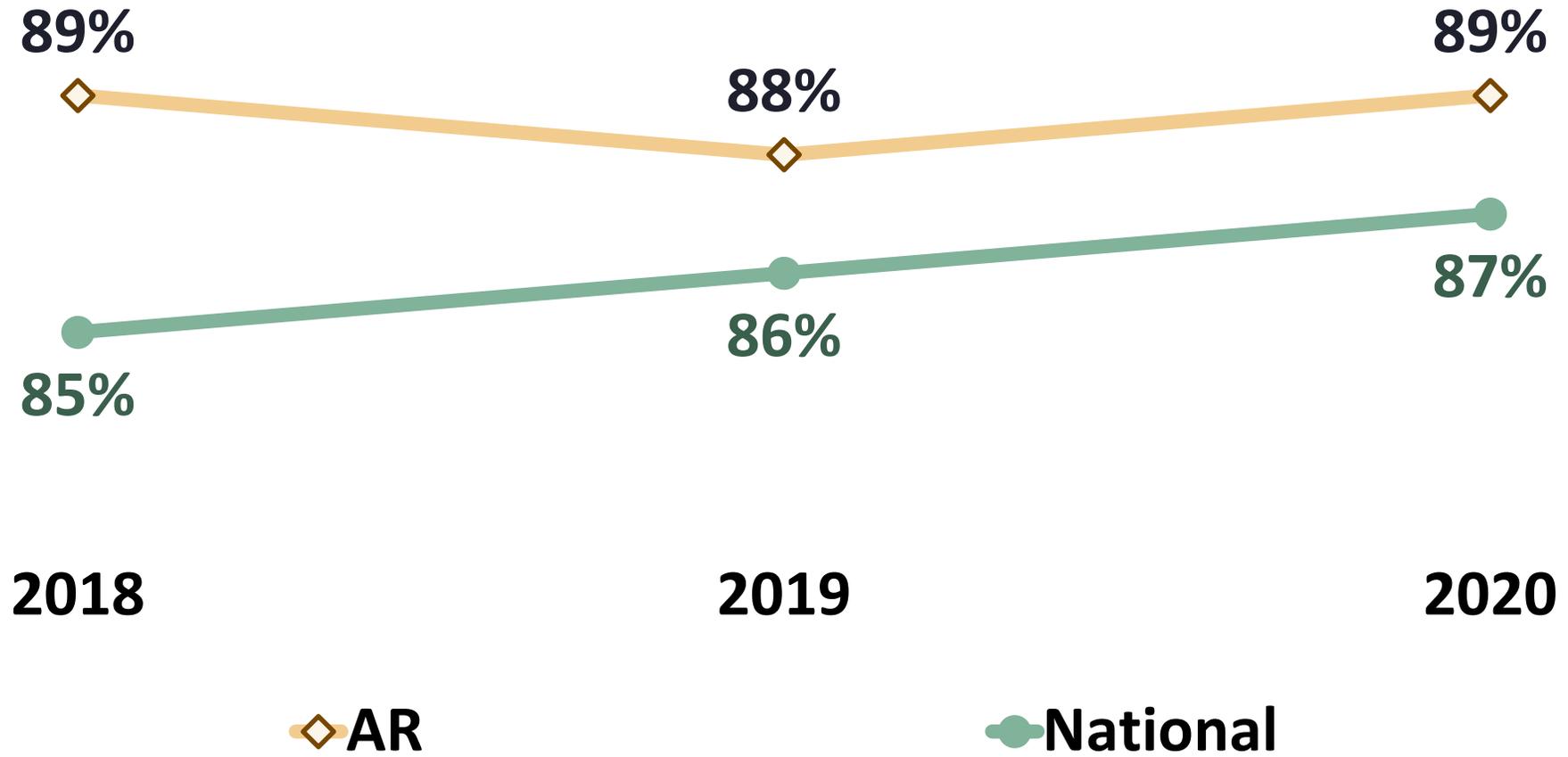
Highest: 100%

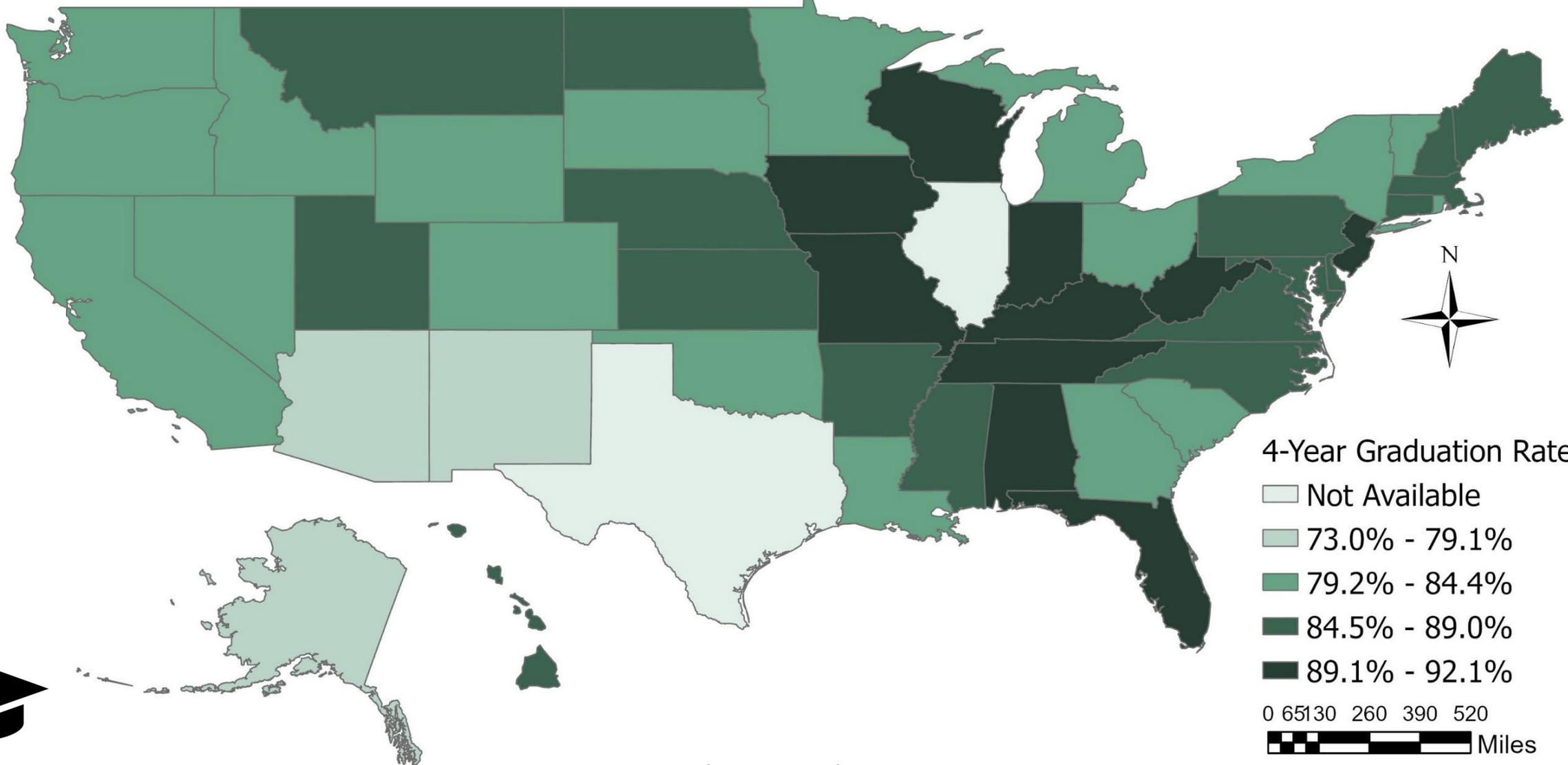


Map prepared by the Bureau of Legislative Research, Policy Analysis & Research Section
School District and County Boundaries from the GIS Office integrated the Arkansas Spatial Data

0 5 10 20 30 40
Miles

Four-Year Graduation Rates





4-YEAR GRAD RATES – BY STATE (2020)

Lowest Grad. Rate: District of Columbia (73%)

Highest Grad. Rate: West Virginia (92.1%)



THANK YOU

becka@blr.arkansas.gov / 501-537-9180