



Prepare every student for success in
postsecondary education and career.

HCPS Academic Performance: State Assessments 2023-2024

Board of Education Presentation
October 21, 2024

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Maryland Comprehensive Assessment Program (MCAP)

MCAP English/Language Arts (ELA)*

- Students in grades 3 through 8 in addition to grade 10.

MCAP Math*

- Students in grades 3 through 8 as well as students enrolled in Algebra I, Geometry, and Algebra II.

Maryland Integrated Science Assessment (MISA)

- Students in grades 5 and 8.

Life Science MISA*

- High school students enrolled in biology. End-of-course exam requires this test to count as 20% of the final course grade.

Social Studies Grade 8

- Students in grade 8. The first operational test was administered in 2022-23.

HS Government*

- High school students enrolled in government. End-of-course exam requires this test to count as 20% of the final course grade.

***Note**
High school students taking MCAP assessments in Algebra I, Geometry, Algebra II, and English 10 are not required to pass, only participate.

Local and State Assessments: Considerations

- Measure student achievement and growth to drive instruction for individual students
- Measure the mastery of the content standards in each grade level and course
- Data is immediately available to educators
- Results can be very specific to students' strengths and weaknesses
- Can be individualized for students' needs (i.e., students receiving special education services)
- **Examples:** DIBELS, i-Ready, teacher-created assessments

Local Assessments



- Measure of accountability across schools and districts
- Randomly selects some of the content standards at each grade level and course
- Results are not immediate; students receive scores the following school year
- Results are more global; students receive scores and sub-scores defined by domains
- Cannot be individualized; all students are required to assess on grade level
- **Examples:** MCAP, MISA, Social Studies 8

State Assessments



Publicly Released MCAP Assessment Items

Which statements identify transfers of matter and energy that occur with in the cyanobacteria? Select the two that apply.

Hide All

- (A) Sugars from photosynthesis are used to perform cellular respiration in order to release energy.
- (B) Photosynthetic organisms use the product CO_2 to support life functions and to build and maintain cells.
- (C) Non-photosynthetic organisms use the additional energy left over from photosynthesis to build and maintain cells.
- (D) Energy stored in the sugar is transferred to consumers when they eat the cyanobacteria.
- (E) Energy created during photosynthesis in non-photosynthetic organisms is transferred to photosynthetic organisms as they are consumed.

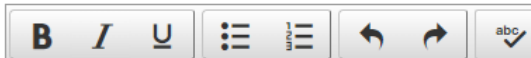
A student performed the division problems shown.

$$1875 \div 15 = 125$$

$$3825 \div 15 = 255$$

The student claims that when a 4-digit number ending in 5 is divided by 15, the quotient always ends in 5 and there is no remainder.

“Why is Nita Upside Down?” and *Why the Platypus is Special* are both about being different. Write an essay that explains how the idea of being different is shown in both passages. Include specific details from **both** the poem and the play to support your answer.



Study the map and use it to answer the constructed response question.



- Identify the geographic impact of the Louisiana Purchase of 1803.
- Explain how this impact affected relationships with American Indian tribes.
- Use details and examples to support your response.

**Note*

Practice tests can be accessed at support.mdassessments.com



English/Language Arts (ELA) Literacy:
Grades 3-8 and 10

MSDE MCAP ELA Data Deep Dive: Sept. 24, 2024

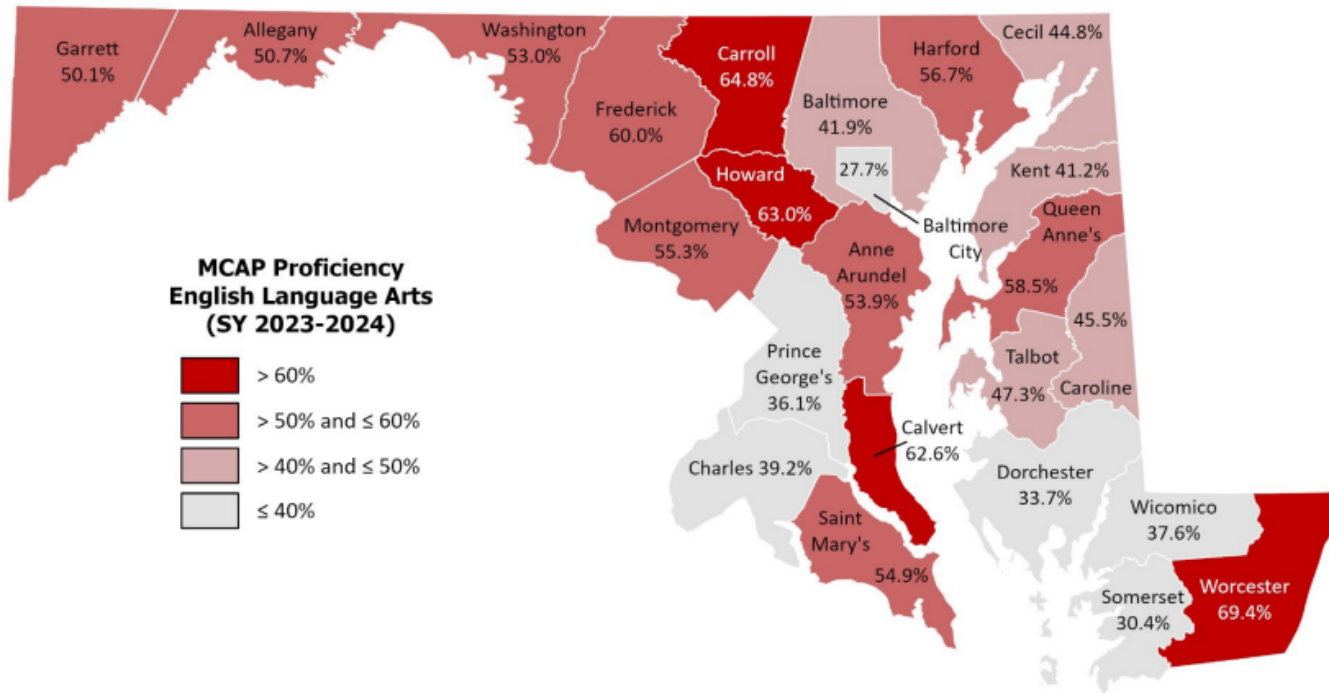


- HCPS increased in overall proficiency by 8.9% from 2022 to 2024, earning us the top ranking of #1 for growth in the state.
- Bakerfield Elementary School ranked #2 in the state for ELA growth among elementary schools with an increase of 27.6% in proficiency rates from 2022 to 2024.
- Aberdeen Middle School ranked #3 in the state for ELA growth among middle schools with an increase of 19.7% in proficiency rates from 2022 to 2024.

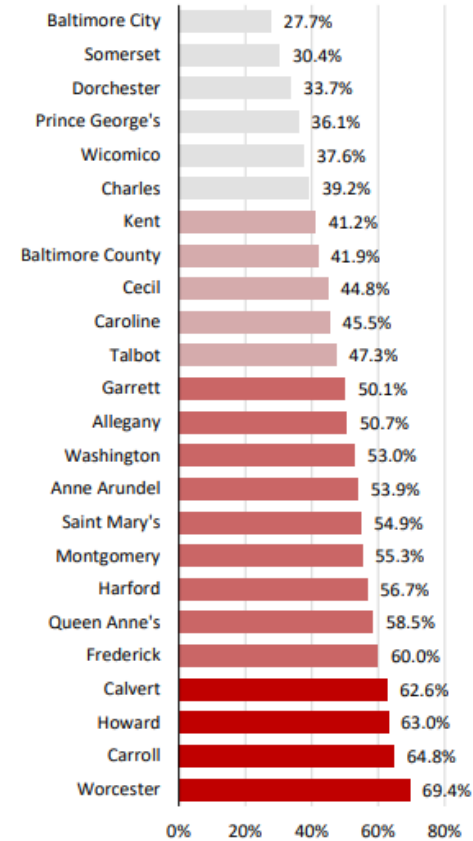
MCAP ELA Performance: HCPS Rank in Maryland

ELA Proficiency by LEA, SY 2023-2024

ELA proficiency for all tests combined varied from 27.7% to 69.4% across LEAs.



2024 ELA Proficiency



HCPS ranked 7th out of 24 Counties for ELA grades 3-8, 10.

MCAP Rankings: HCPS 2022 to 2024

ELA



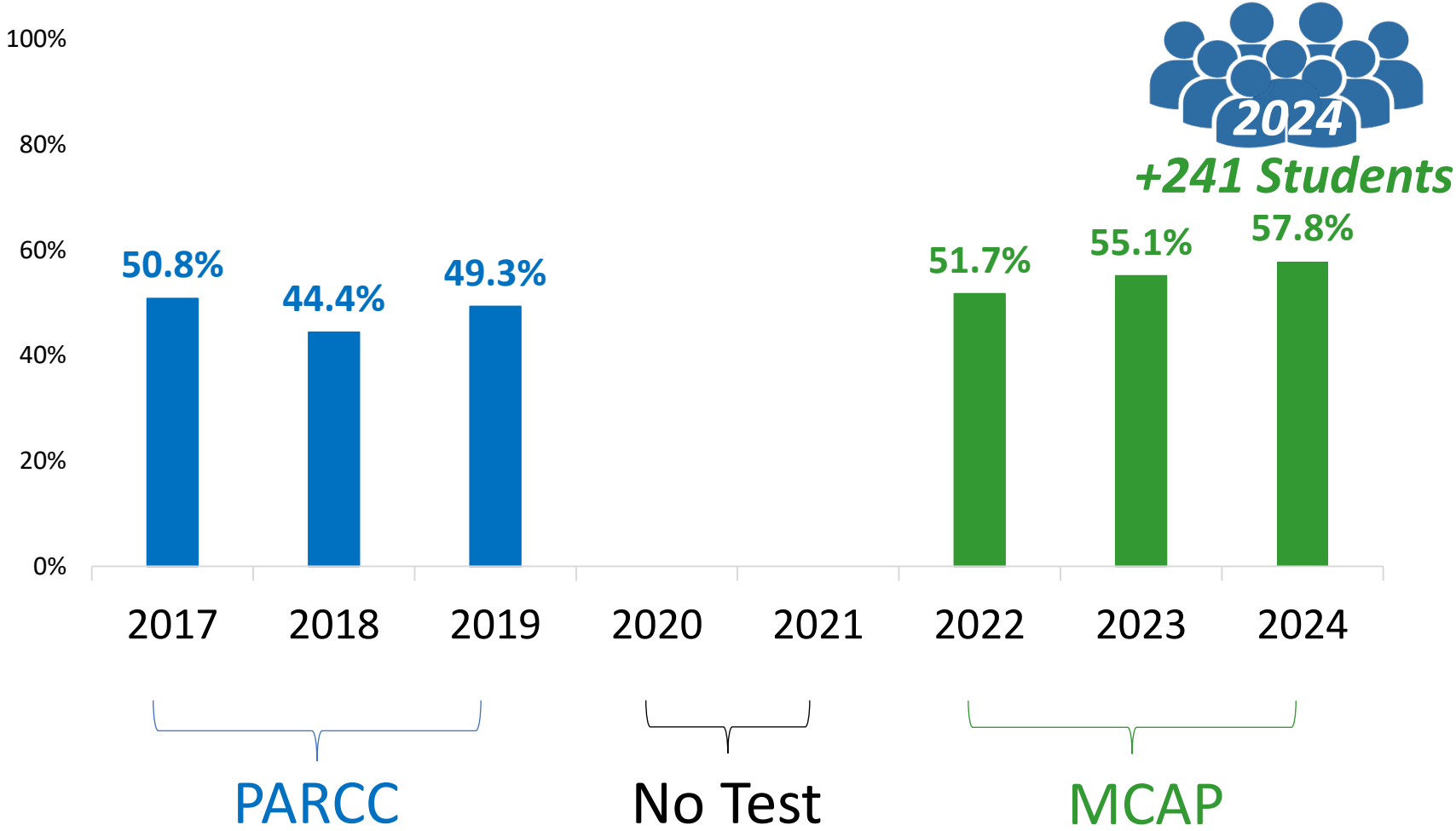
	2021-22	2022-23	2023-24
Grade 3	8	6	6
Grade 4	6	6	5
Grade 5	11	9	5
Grade 6	11	8	3
Grade 7	12	8	7
Grade 8	11	13	11
Grade 10	12	12	16
AVERAGE RANK	10.1	8.9	7.6

Note
The highlighted cells indicate that HCPS improved in the state rankings.

Includes 1,023 students who retested.

HCPS MCAP ELA: Grades 3-5, Historical 2017-2024

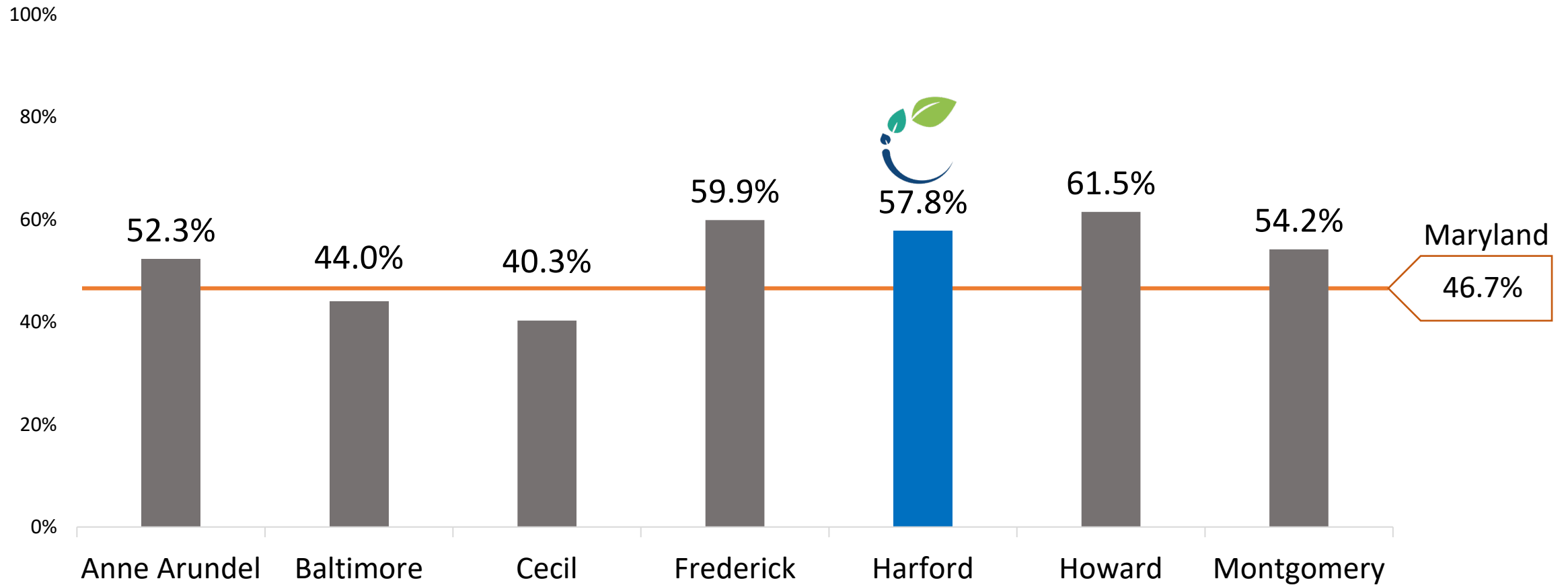
Percent Proficient or Advanced



Indicates the number of additional students this year who are proficient or advanced.

MCAP ELA: Grade 3-5, County Comparison

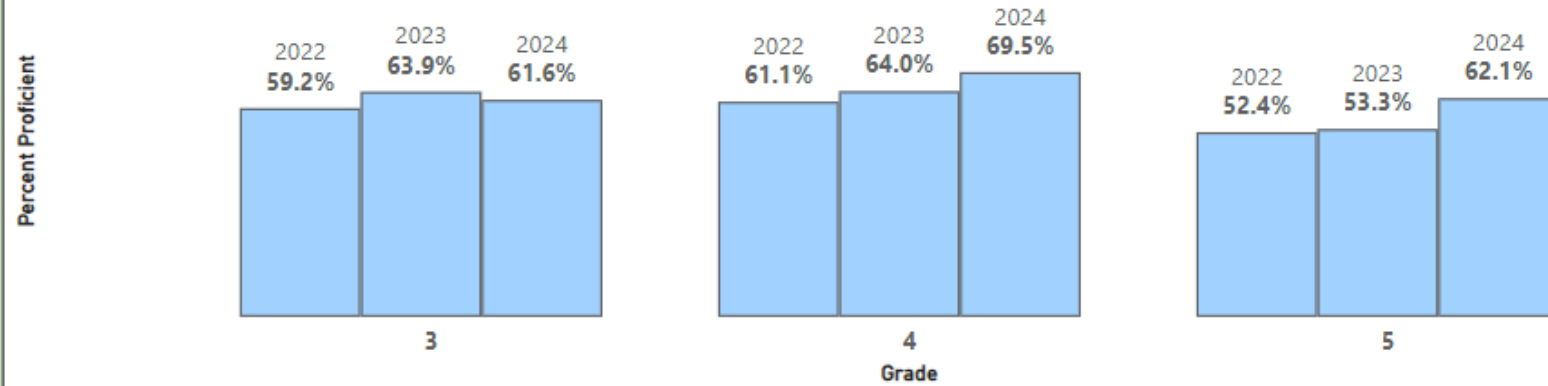
Percent Proficient or Advanced



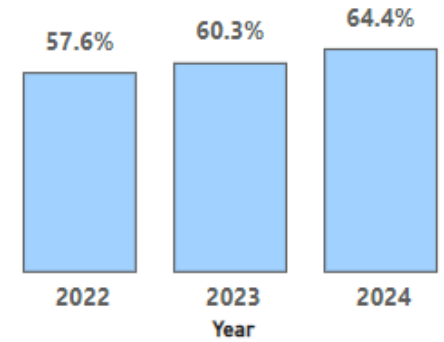
MCAP ELA Grades 3-5: Units of Study vs. Benchmark Advance Percent Proficient or Advanced

Units of Study

MCAP Proficiency by Year and Grade Level



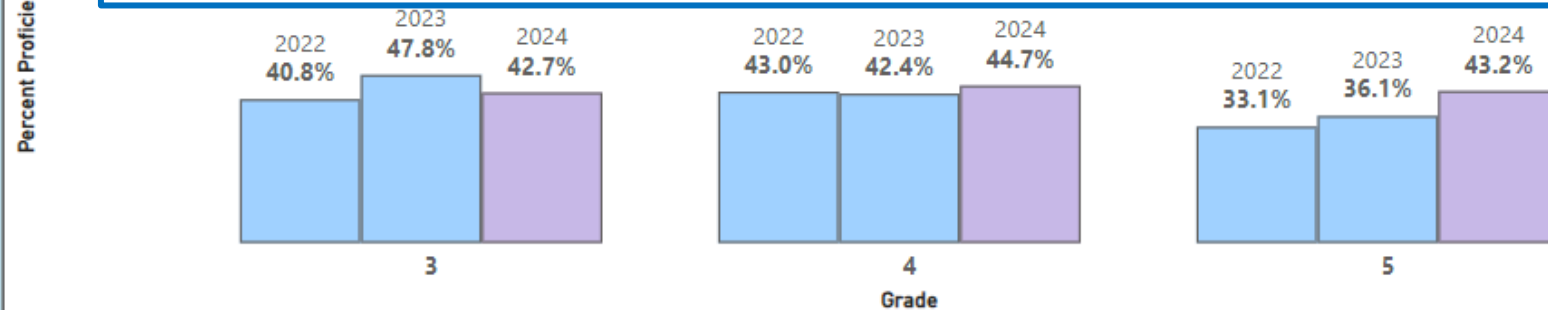
MCAP Proficiency by Year (Combined Grade Levels)



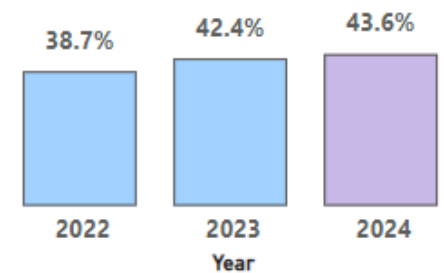
Benchmark

MCAP Proficiency by Year and Grade Level

Note: Benchmark was implemented in 2024 for the first time in 11 schools in HCPS, as noted by the purple bars below.

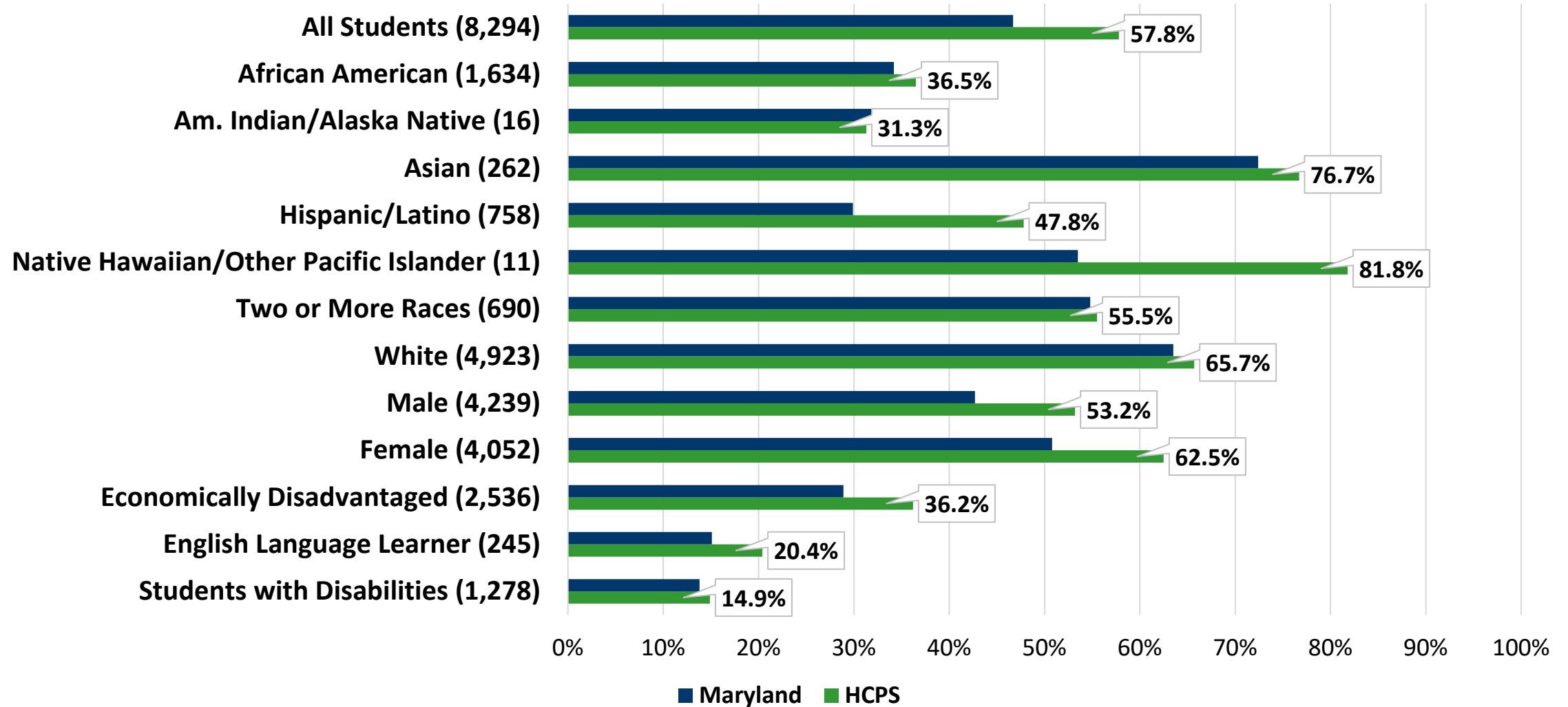


MCAP Proficiency by Year (Combined Grade Levels)



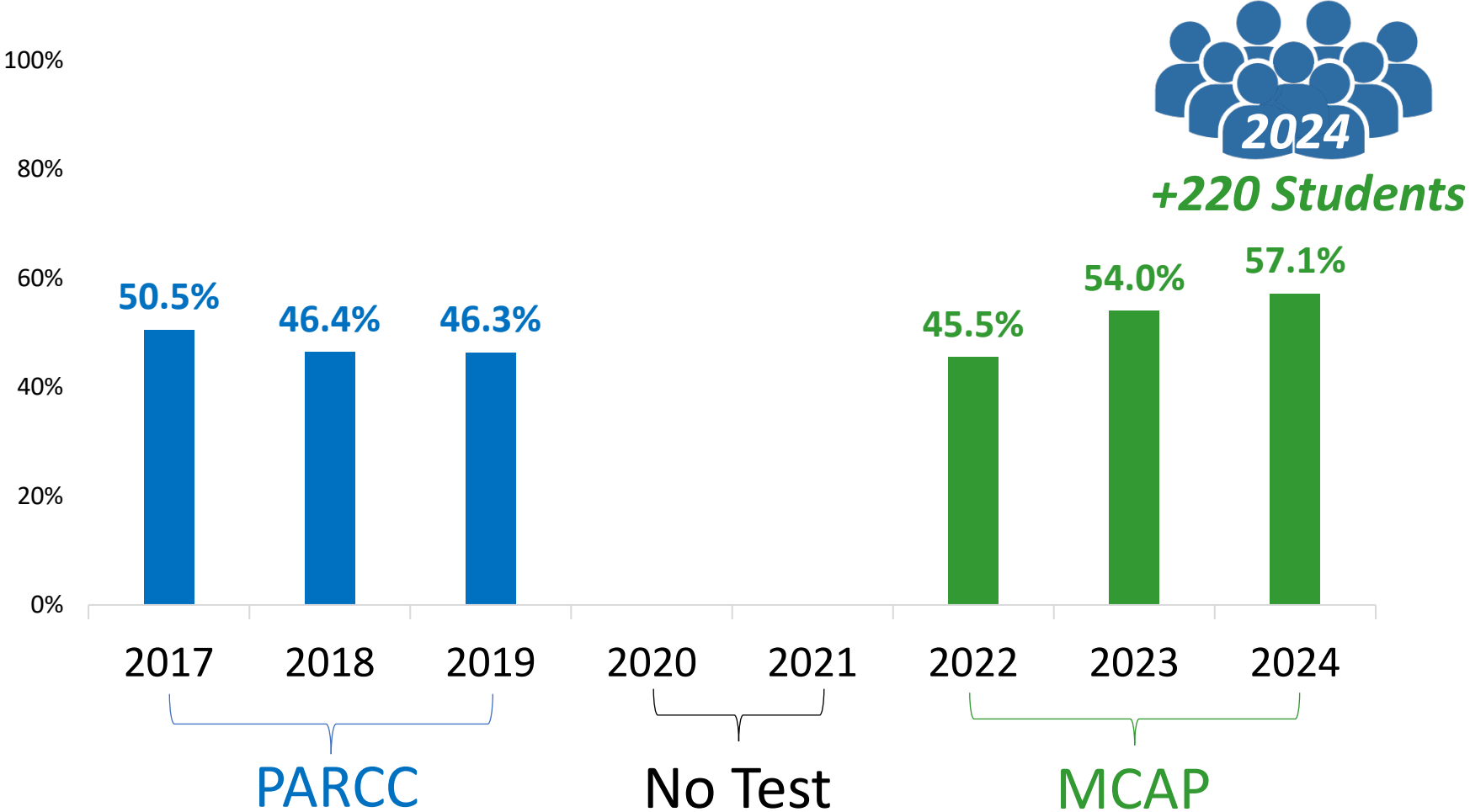
MCAP ELA: Grades 3-5, Student Group Comparison to State

Percent Proficient or Advanced



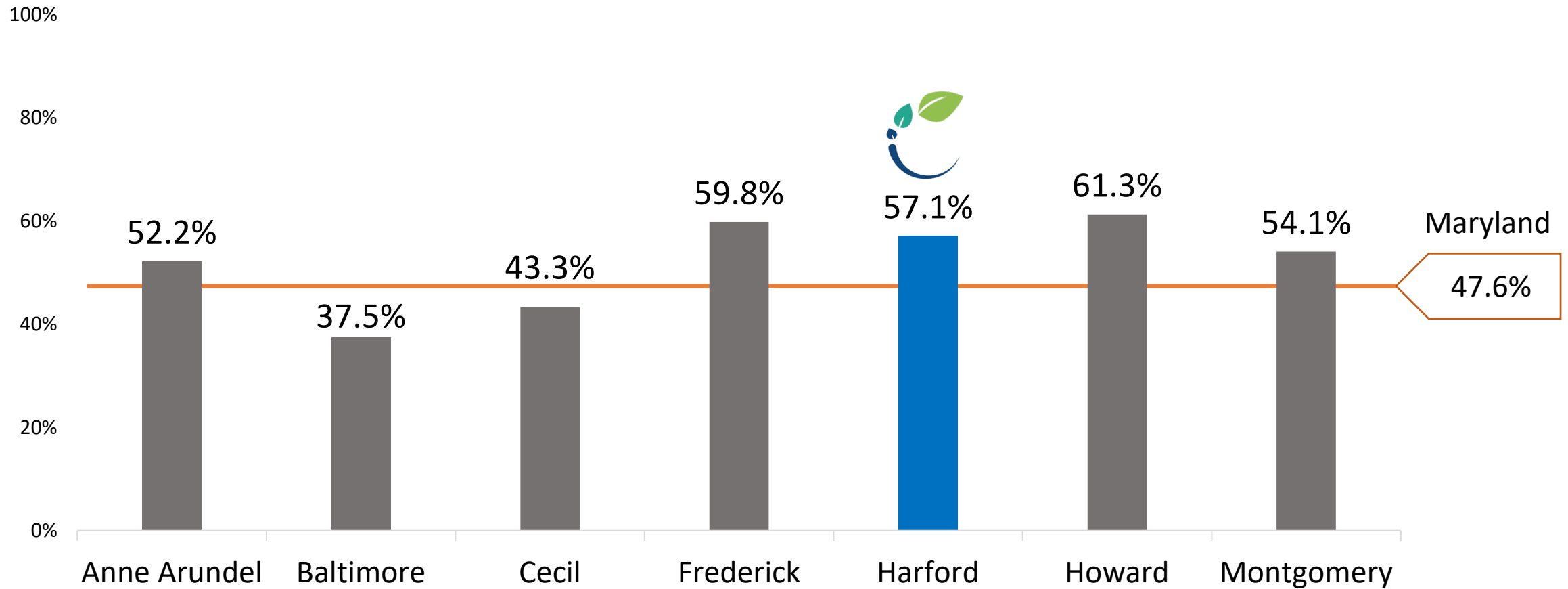
HCPS MCAP ELA: Grades 6-8, Historical 2017-2024

Percent Proficient or Advanced



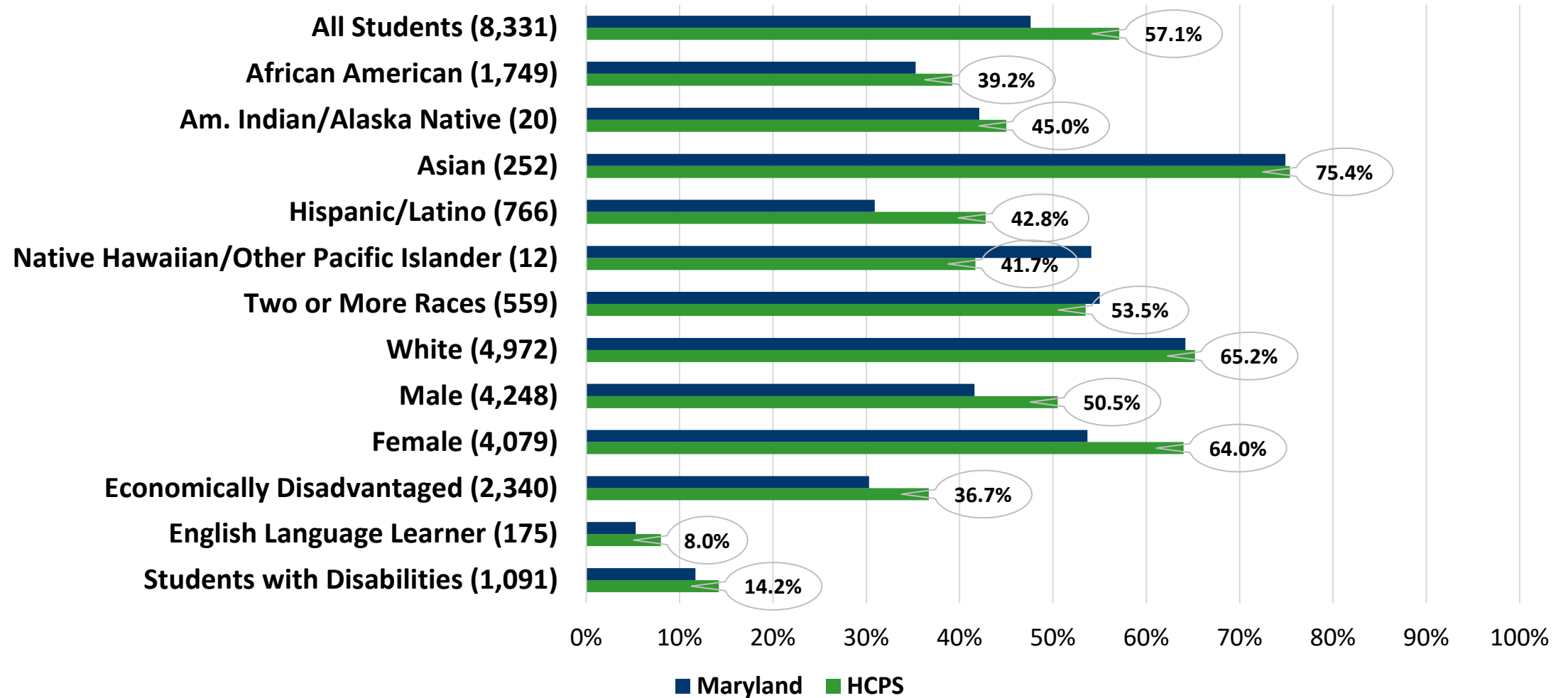
MCAP ELA: Grade 6-8, County Comparison

Percent Proficient or Advanced



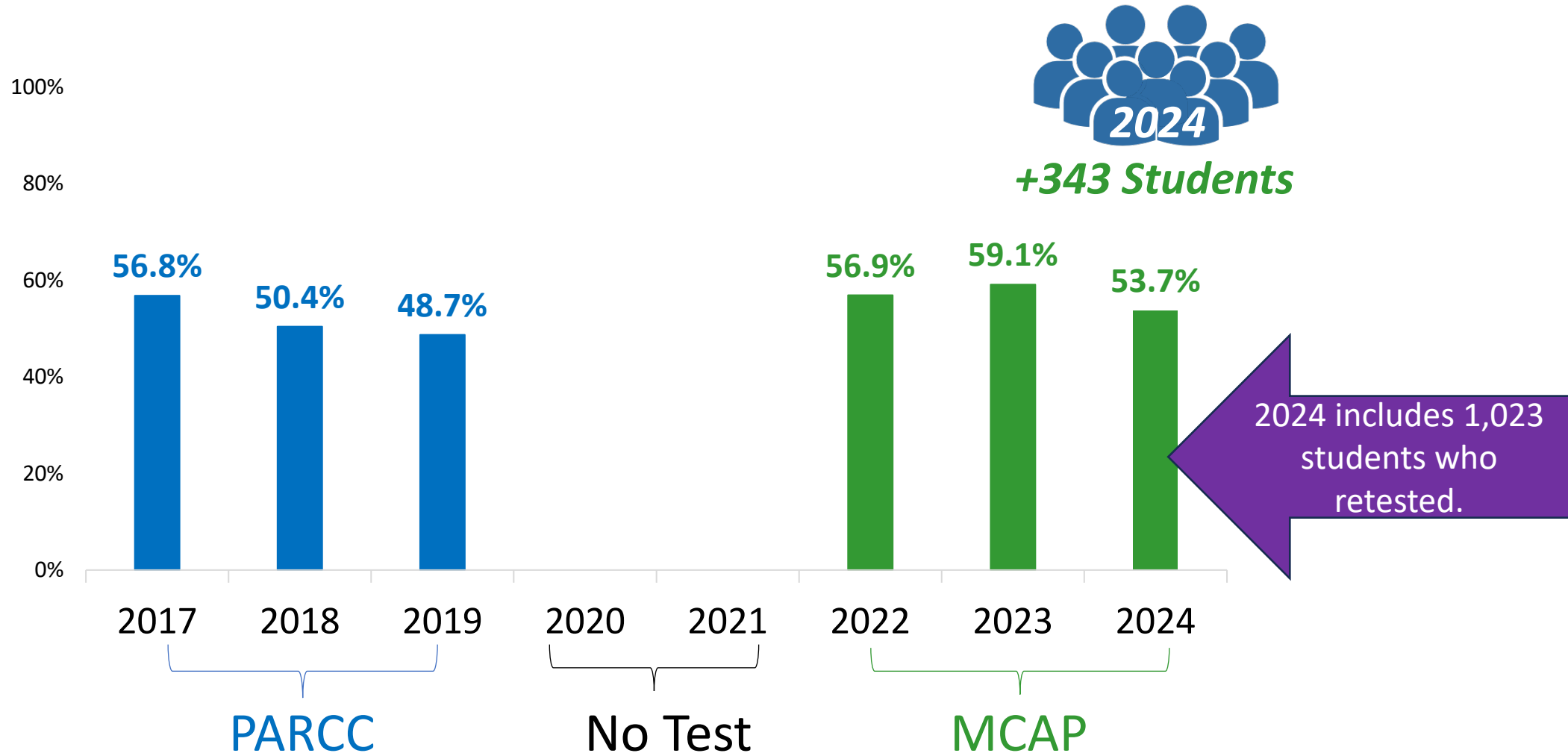
MCAP ELA: Grades 6-8, Student Group Comparison to State

Percent Proficient or Advanced



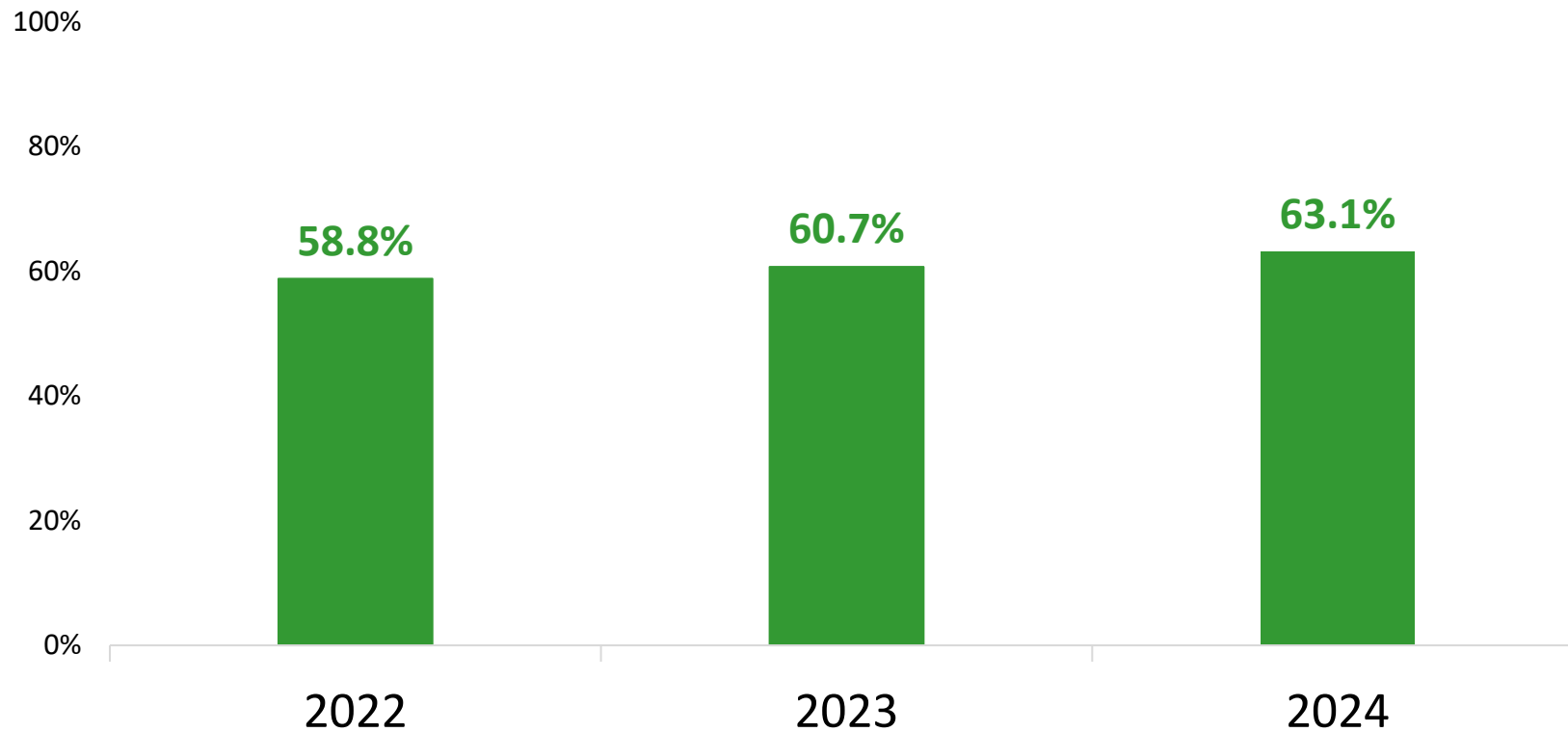
HCPS MCAP ELA: Grade 10, Historical 2017-2024

Percent Proficient or Advanced



HCPS MCAP ELA: Grade 10, First Time Test Takers Only

Percent Proficient or Advanced

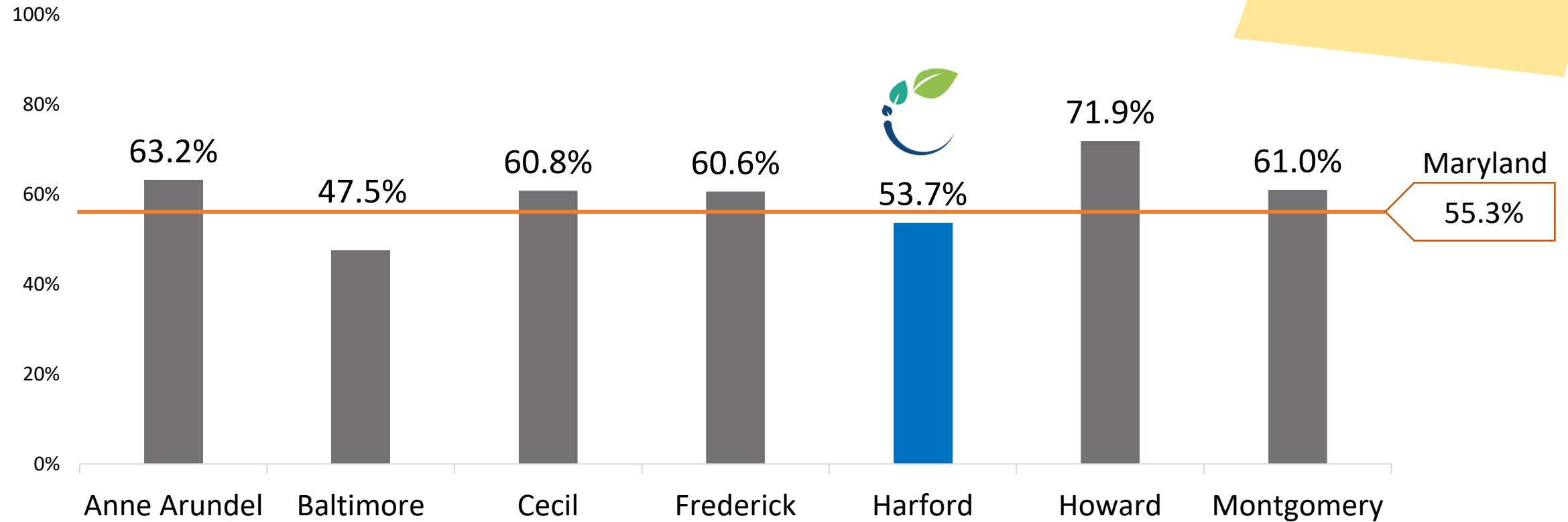


**Note*

Students are not required to pass this assessment but only need to participate.

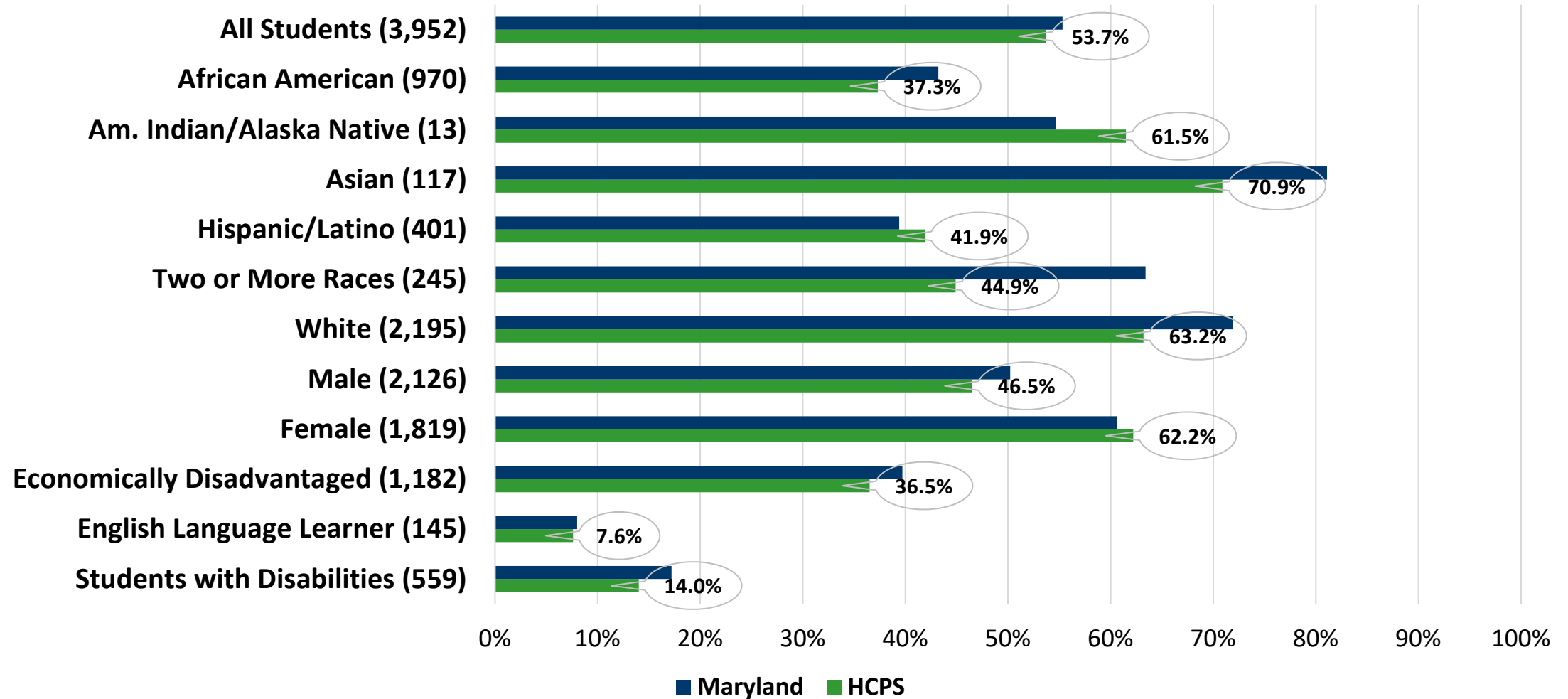
MCAP ELA: Grade 10, County Comparison Percent Proficient or Advanced

Note
In 2024, HCPS retested 1,023 students whereas other counties may not have retested students.



MCAP ELA: Grade 10, Student Group Comparison to State

Percent Proficient or Advanced





Mathematics:
Grades 3-8
Algebra I (Middle & High)

MSDE MCAP Math Data Deep Dive: Sept. 24, 2024

- HCPS increased in overall proficiency by 9.6% from 2022 to 2024 in MCAP Math Grade 5, earning us the top ranking of #1 for growth in the state in that grade level.

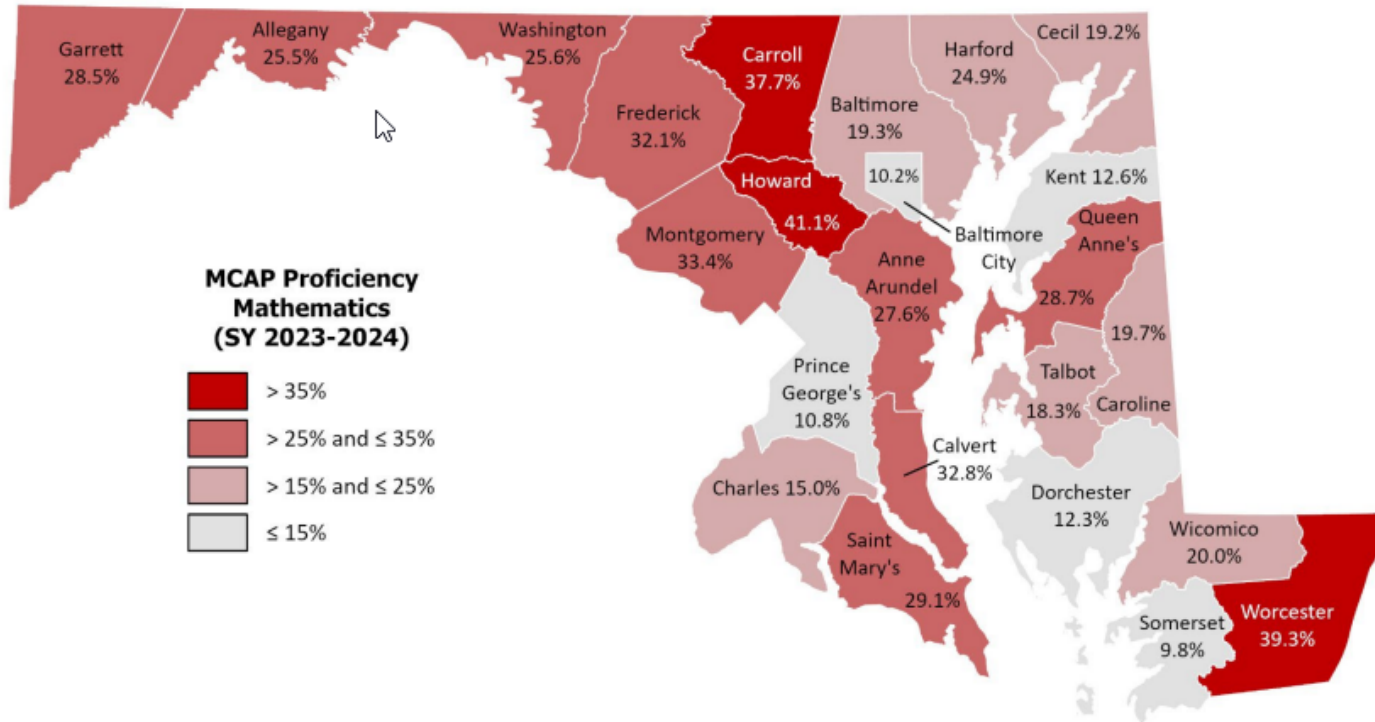


- HCPS increased in overall proficiency by 4.4% from 2022 to 2024 for MCAP Math Grades 3-8, earning us the ranking of #4 for growth in the state in those grade levels.
- Emmorton Elementary School ranked #8 for math growth in the state for elementary schools with an increase of 19.9%. Churchville Elementary and William S. James Elementary ranked #14 and #15 in the state for elementary school growth.

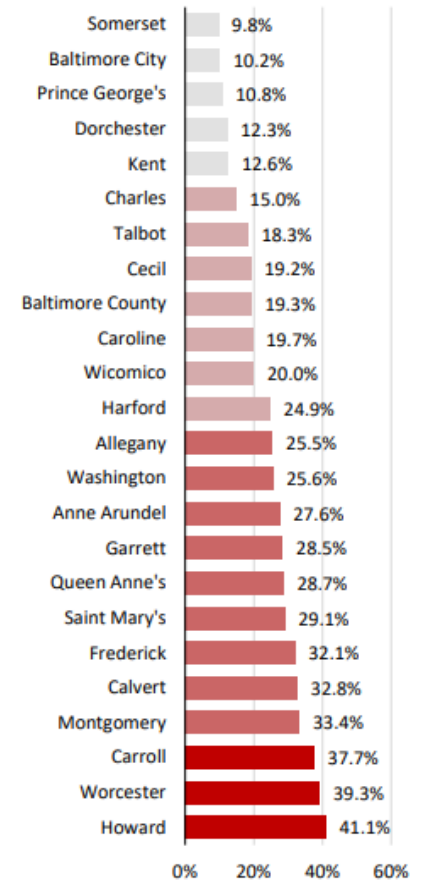
MCAP Math Performance: HCPS Rank in Maryland

Mathematics Proficiency by LEA, SY 2023-2024

Mathematics proficiency for all tests combined varied from 9.8% to 41.1% across LEAs.



2024 Math Proficiency



HCPS ranked 13th out of 24 counties for Math grades 3-8, high school.



MCAP Rankings: 2022 to 2024

MATH

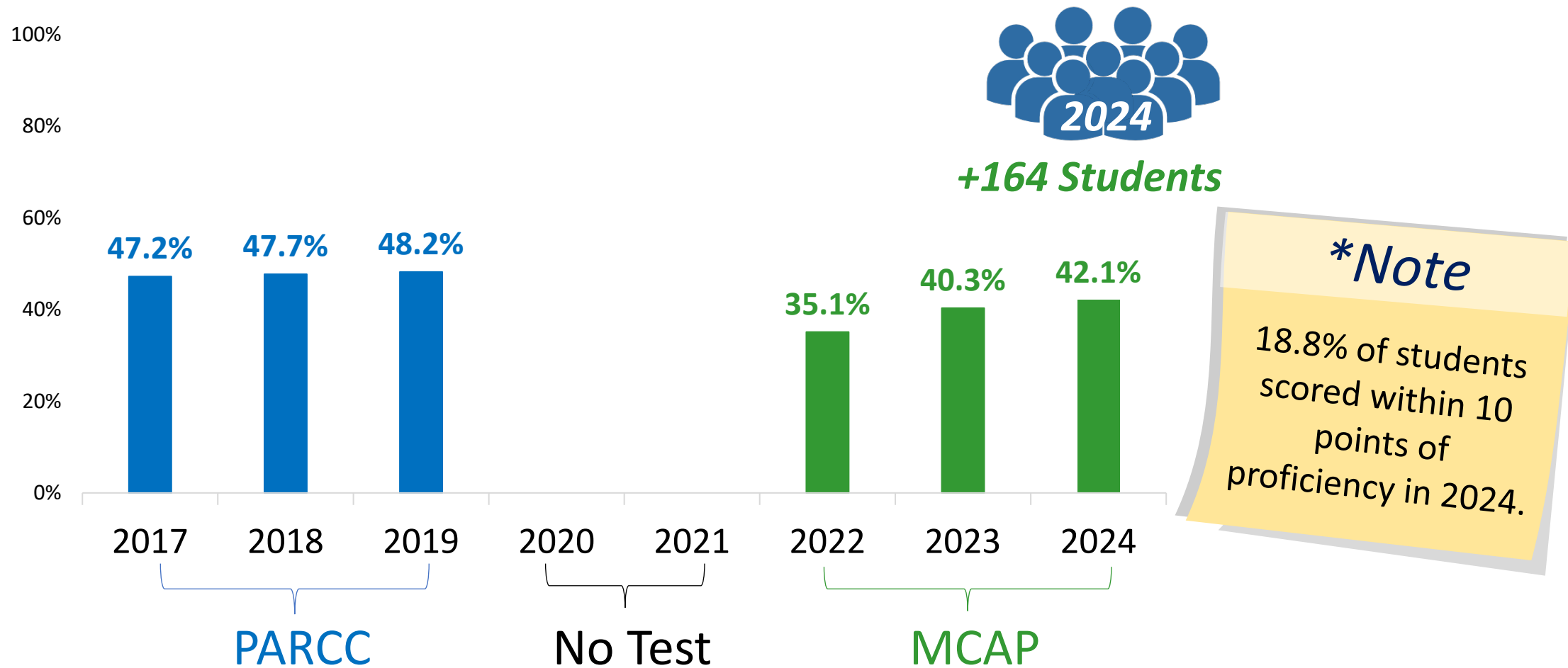


	2021-22	2022-23	2023-24
Grade 3	8	8	7
Grade 4	8	8	8
Grade 5	11	9	8
Grade 6	7	8	9
Grade 7	Cannot compare scores across LEAs due to Algebra I and Geometry course offerings.		
Grade 8	Cannot compare scores across LEAs due to Algebra I and Geometry course offerings.		
Algebra I	12	12	12
AVERAGE RANK	9.2	9	8.8

Note
 Highlighted cell indicates HCPS improved in the state rankings.

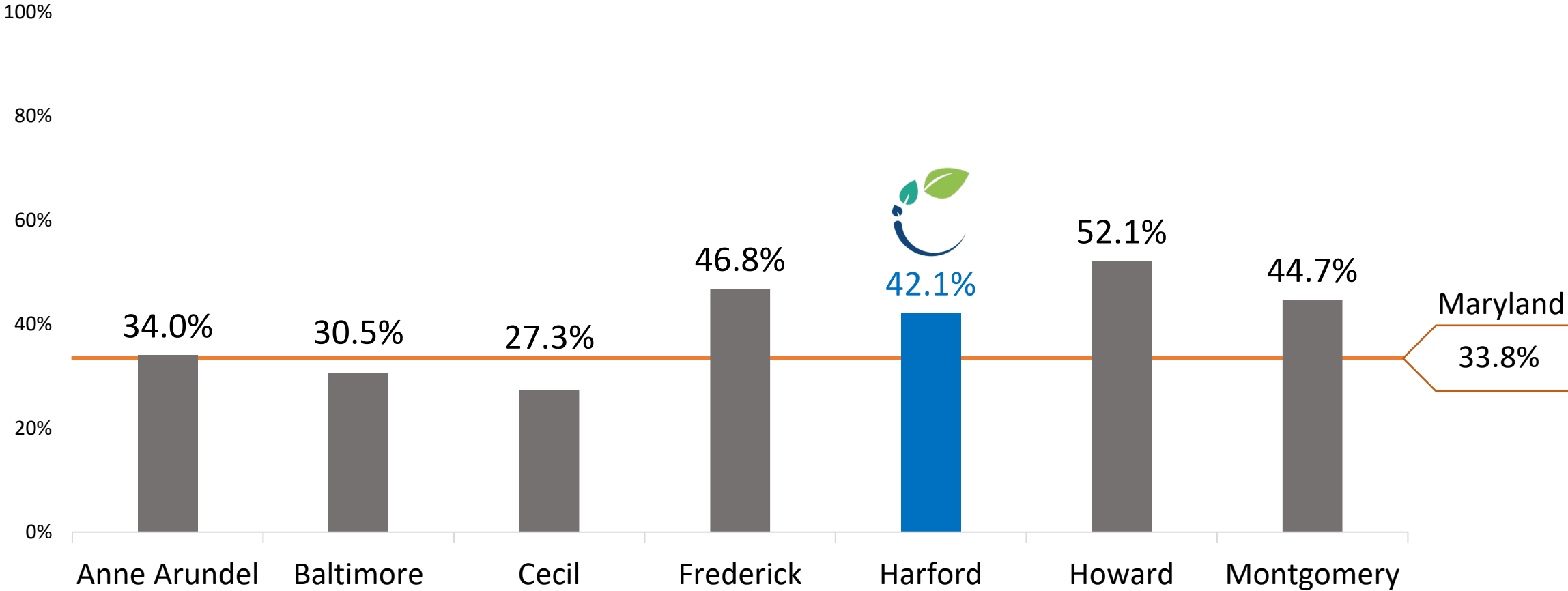
HCPS MCAP Math: Grades 3-5, Historical 2017-2024

Percent Proficient or Advanced



MCAP Math: Grades 3-5, County Comparison

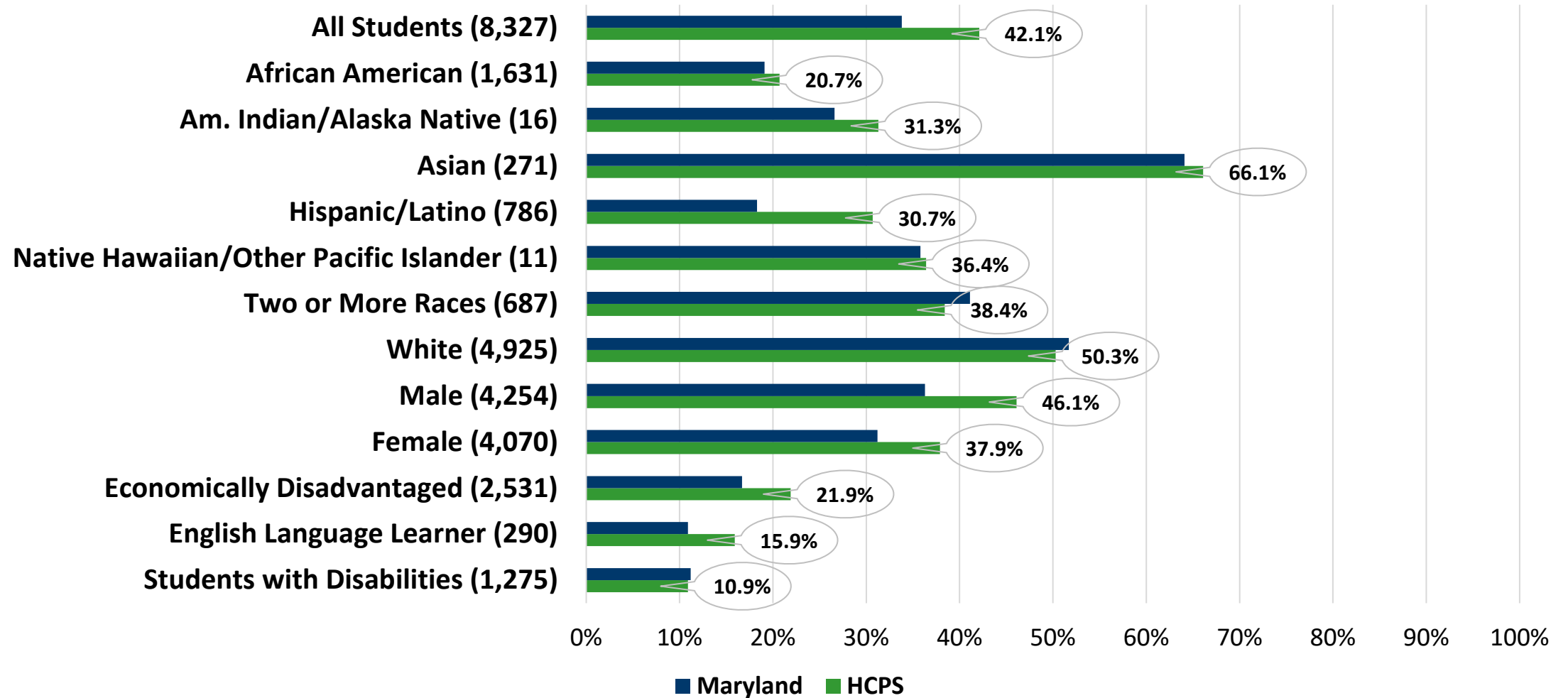
Percent Proficient or Advanced



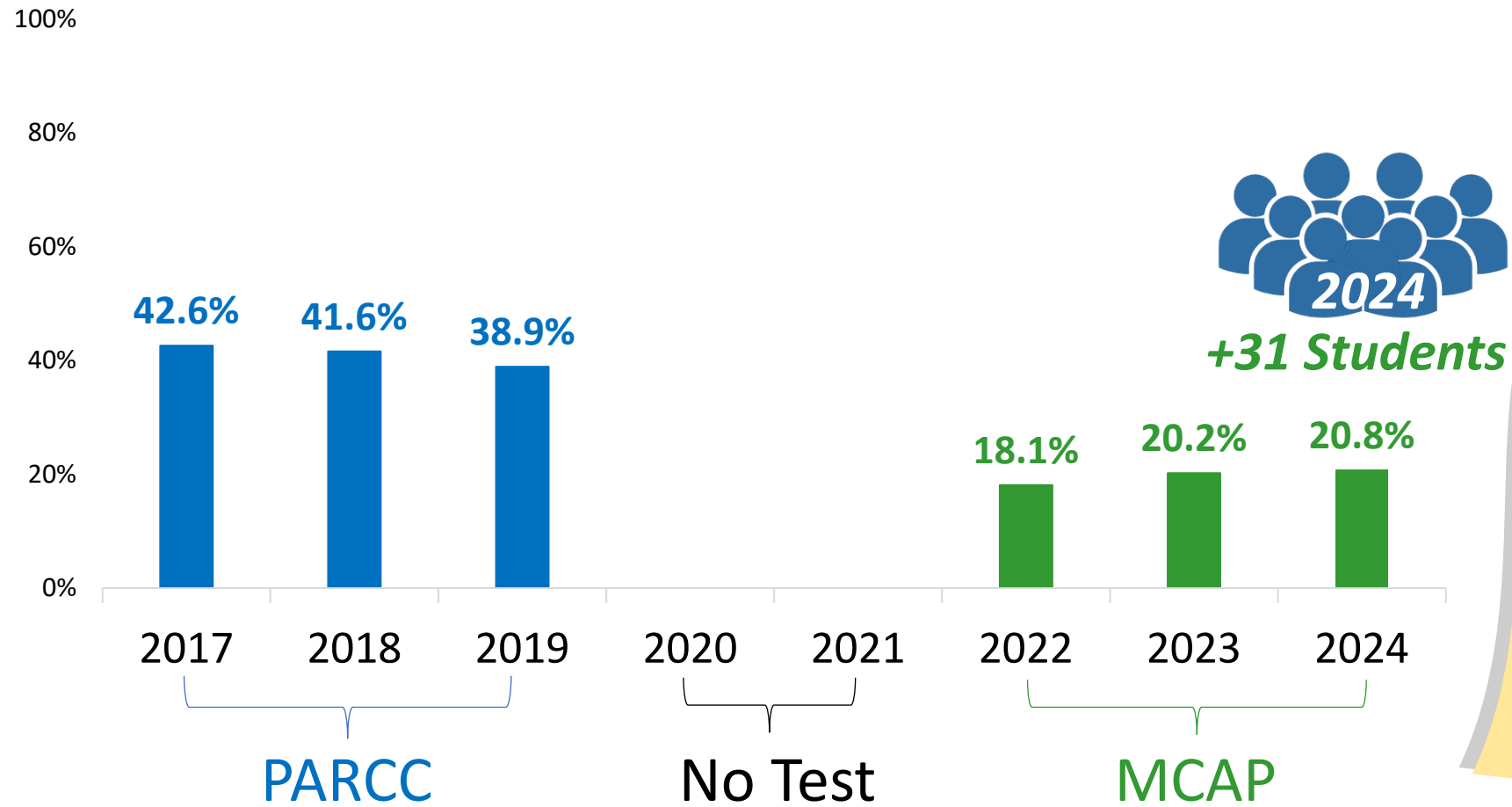


MCAP Math: Grades 3-5, Student Group Comparison to State

Percent Proficient or Advanced



HCPS MCAP Math: Grades 6-8, Including Algebra I and Geometry Percent Proficient or Advanced

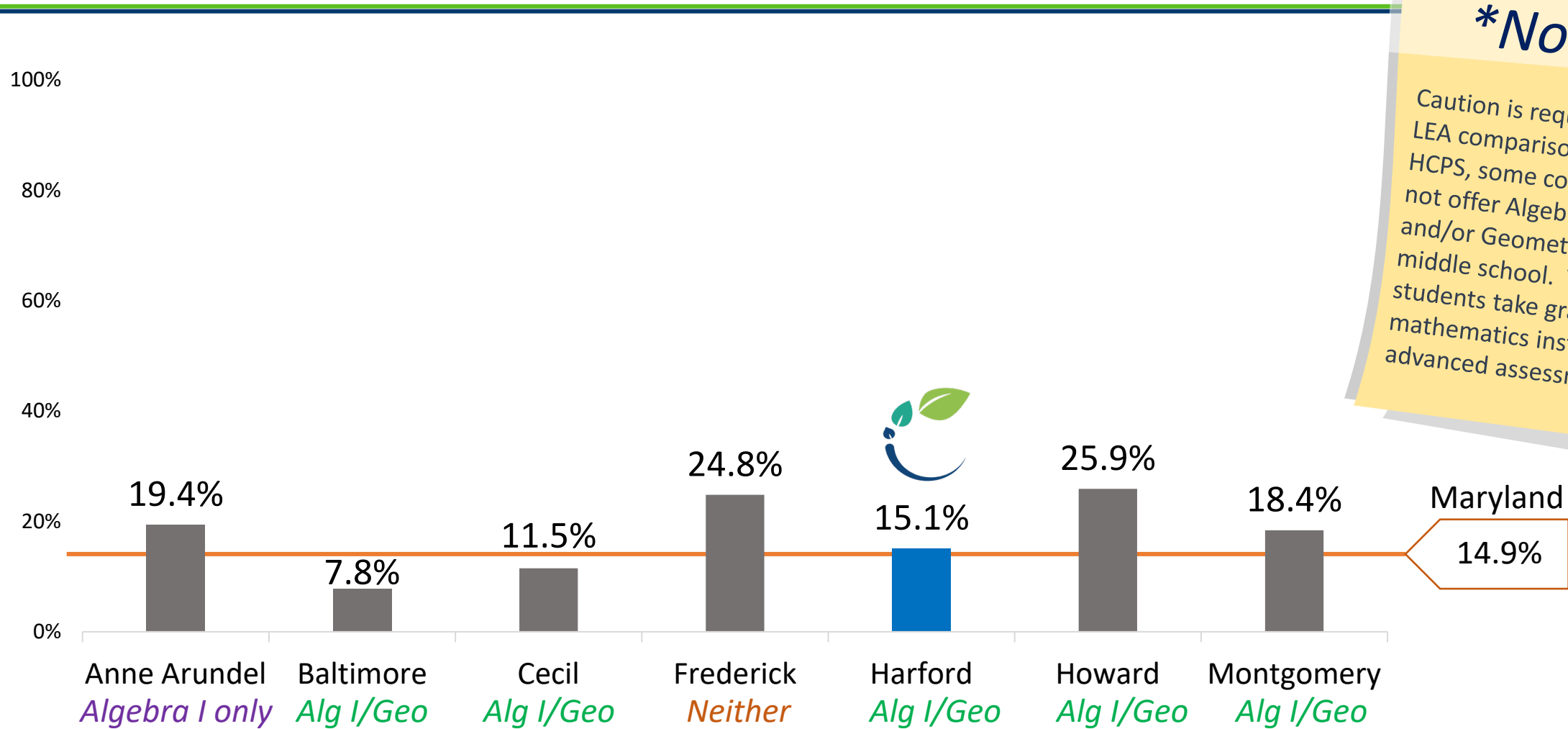


***Note**
19.4% of students scored within 10 points of proficiency in 2024.



MCAP Math: Grade 6-8, Excludes Algebra I and Geometry

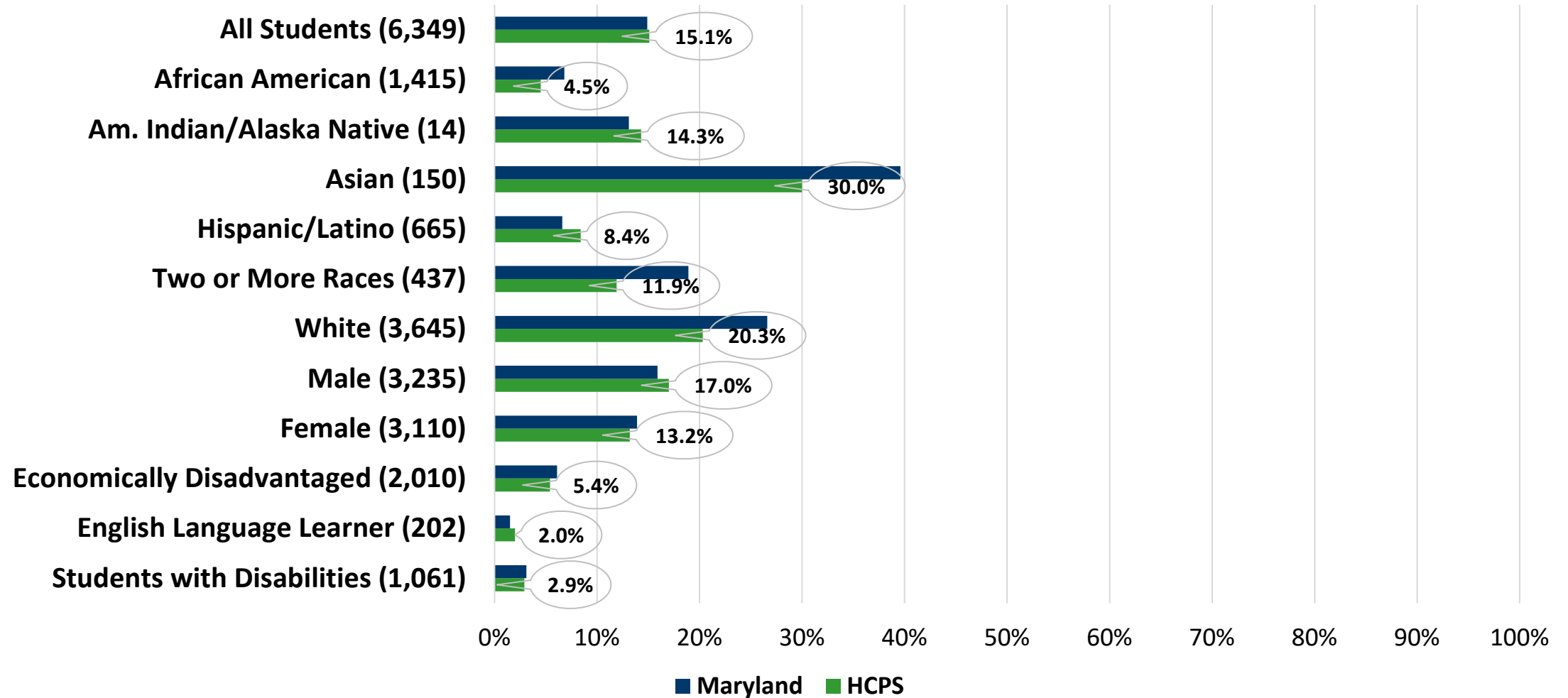
Percent Proficient or Advanced



***Note**
 Caution is required for LEA comparison. Unlike HCPS, some counties do not offer Algebra I and/or Geometry at middle school. These students take grade level mathematics instead of advanced assessments.

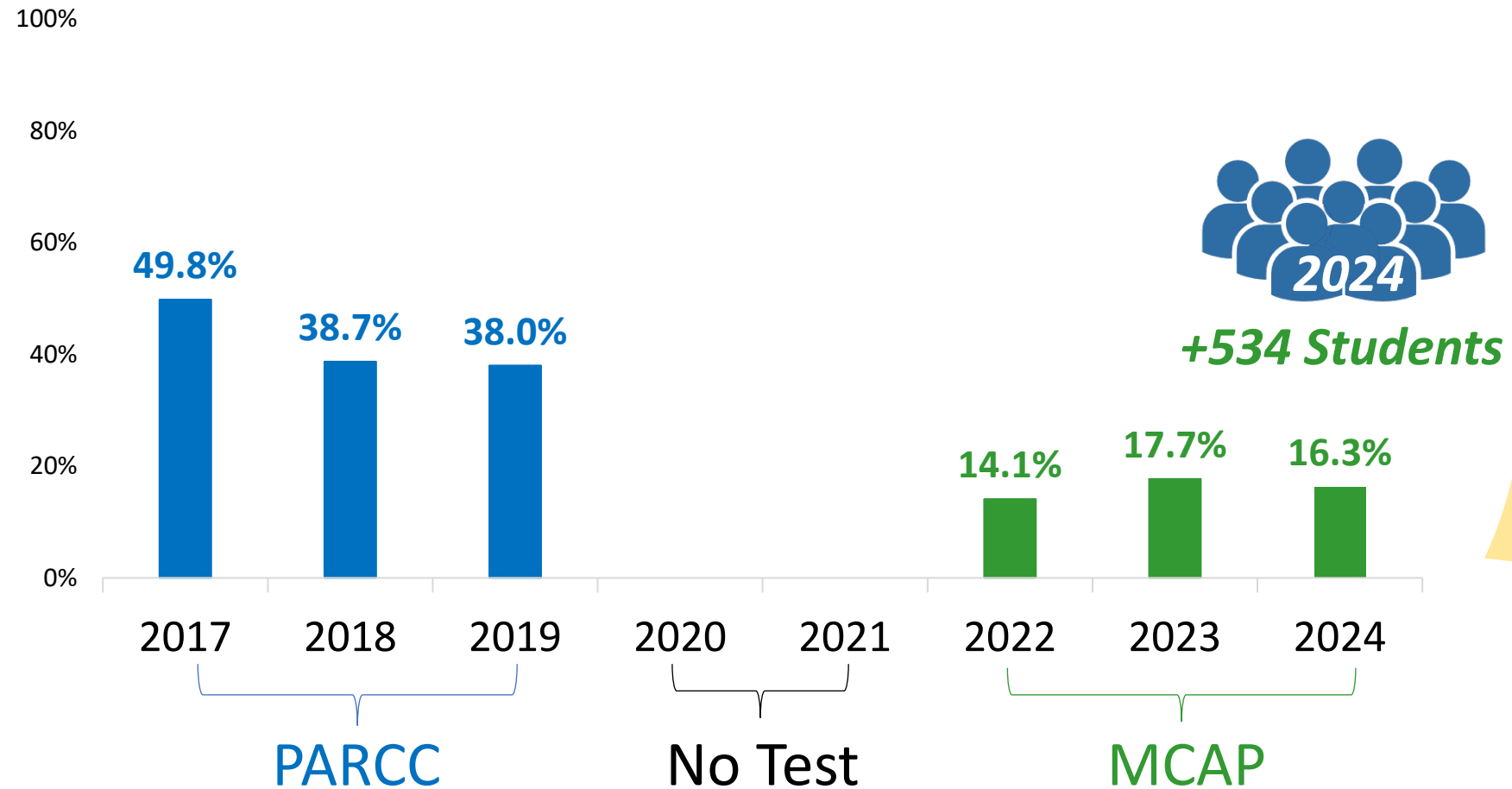


MCAP Math: Grades 6-8, Student Group Comparison to State Percent Proficient or Advanced (Excludes Algebra I and Geometry)



HCPS MCAP Math: Algebra I (Middle & High)

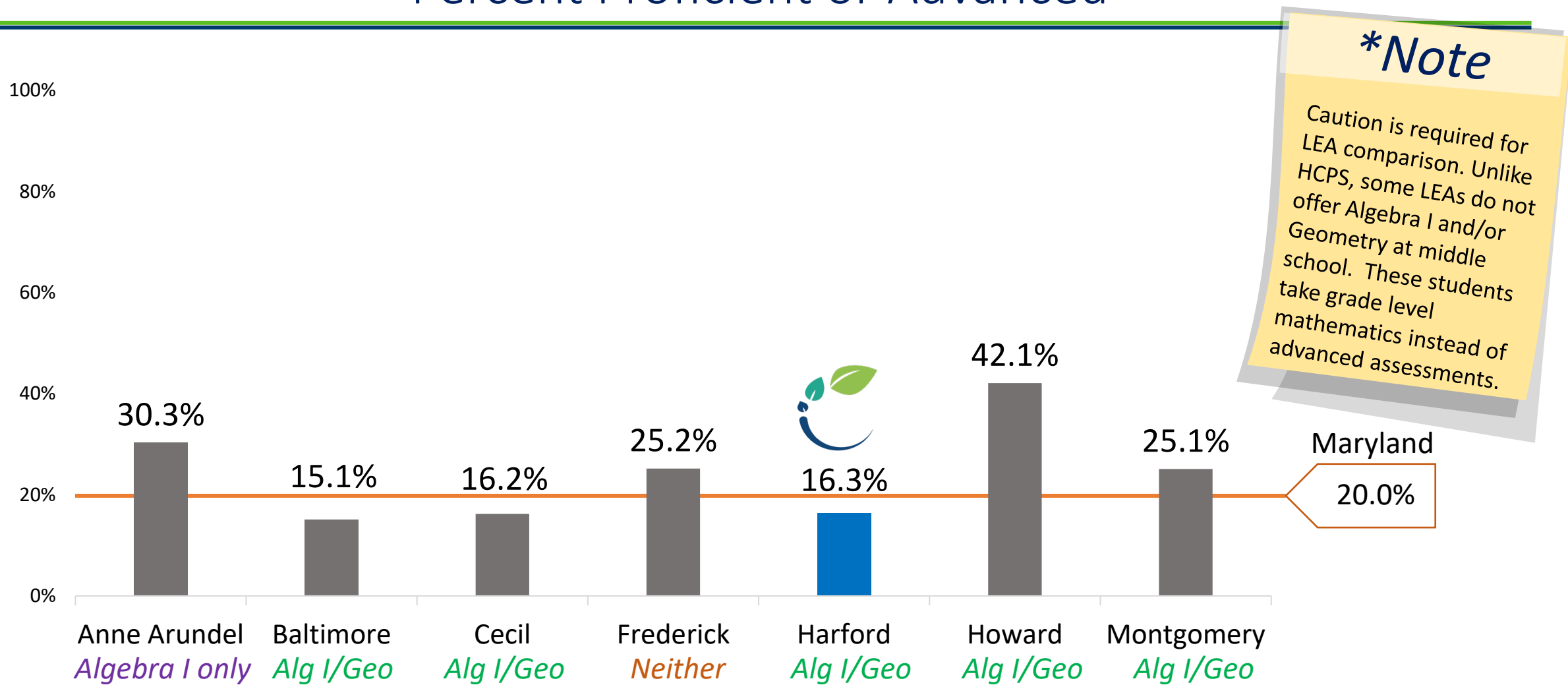
Percent Proficient or Advanced



***Note**
23.2% of students scored within 10 points of proficiency in 2024.

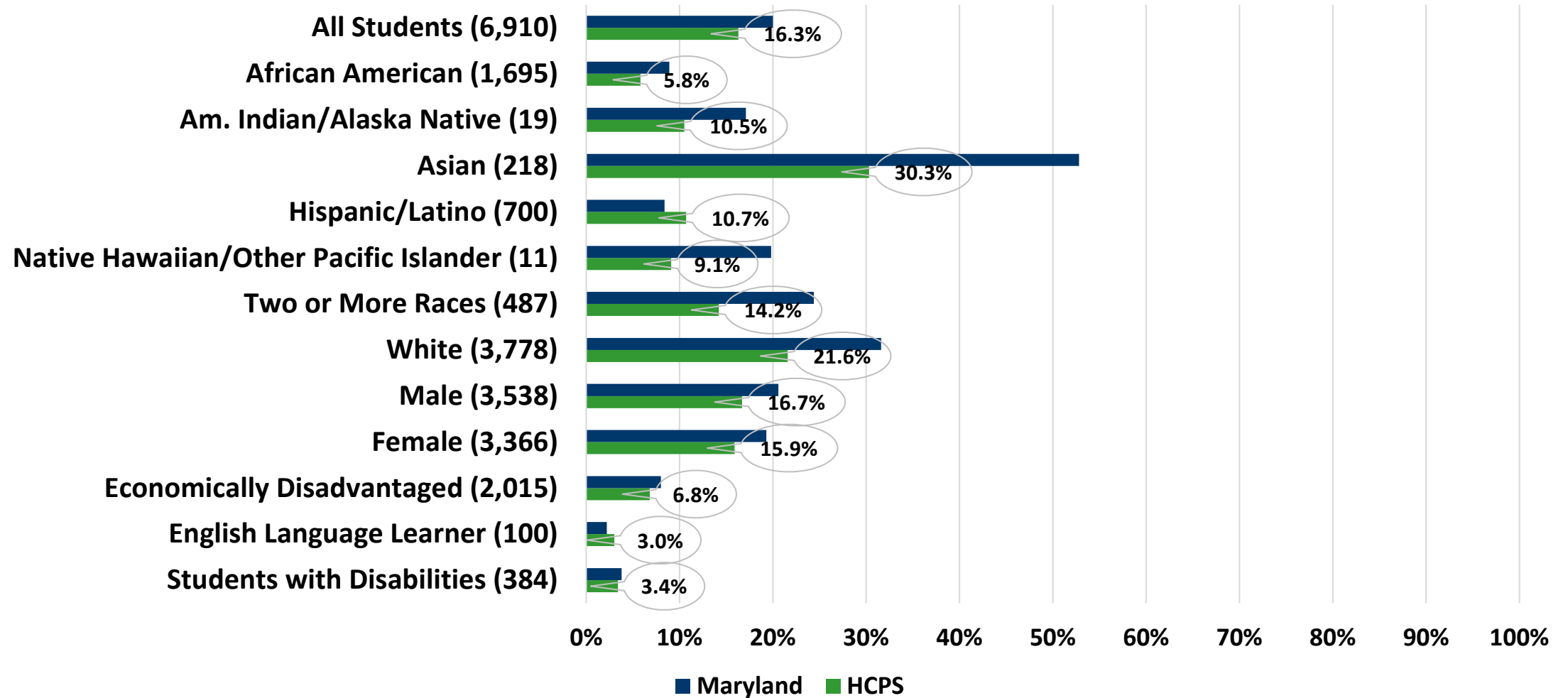
MCAP Math: Algebra I (Middle & High), County Comparison

Percent Proficient or Advanced





MCAP Algebra I (Middle & High), Student Group Comparison to State Percent Proficient or Advanced

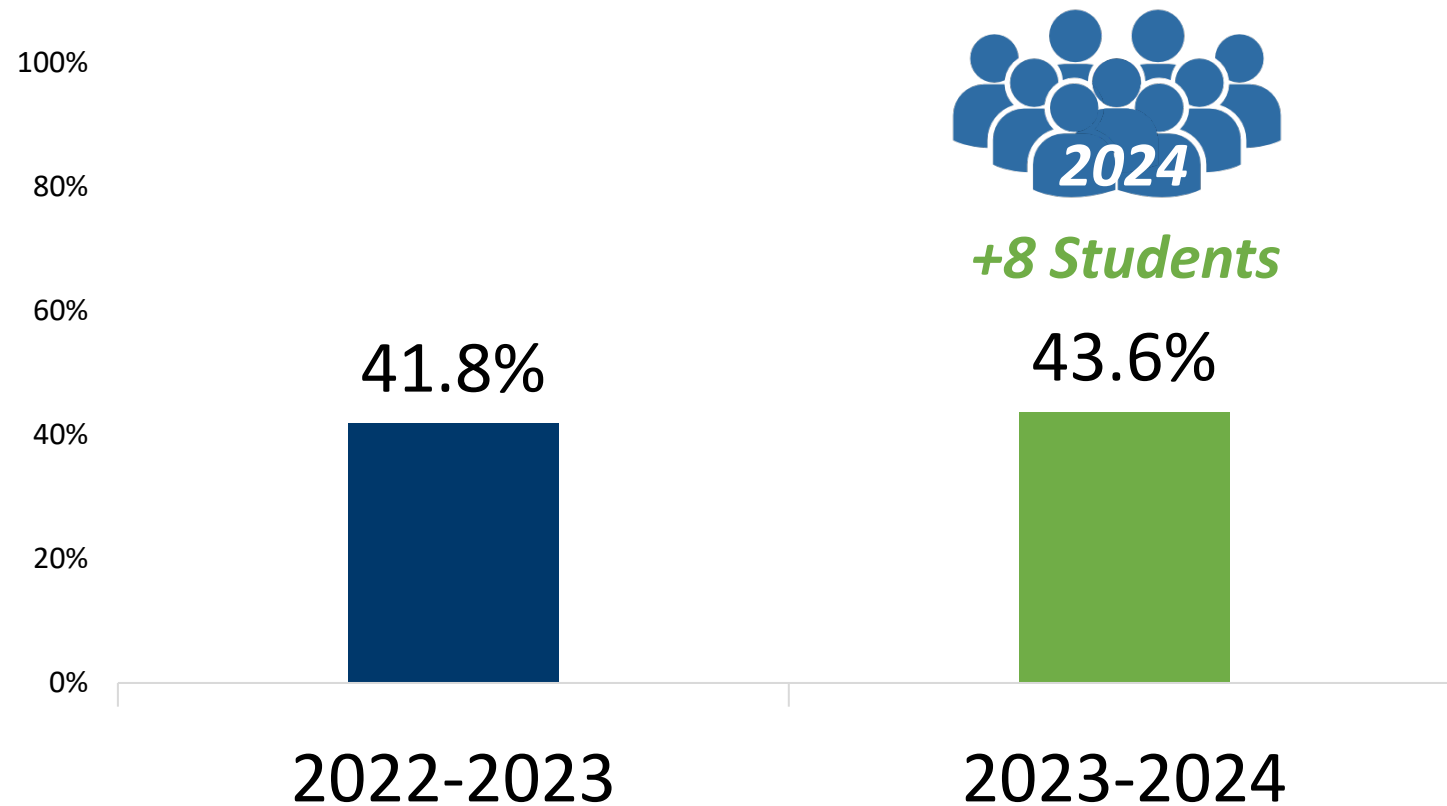




Social Sciences:
Social Studies, Grade 8
American Government, Grade 9

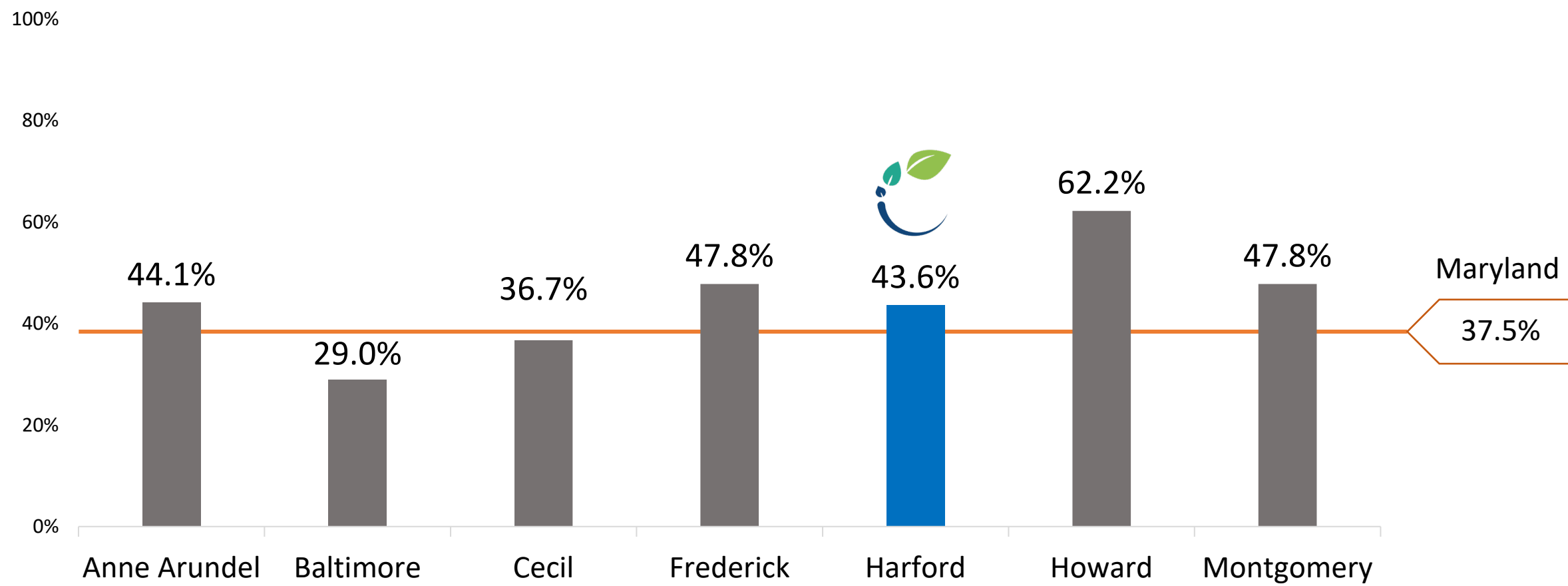
HCPS MCAP Social Studies Grade 8

Percent Proficient or Advanced



MCAP Social Studies Grade 8: County Comparison

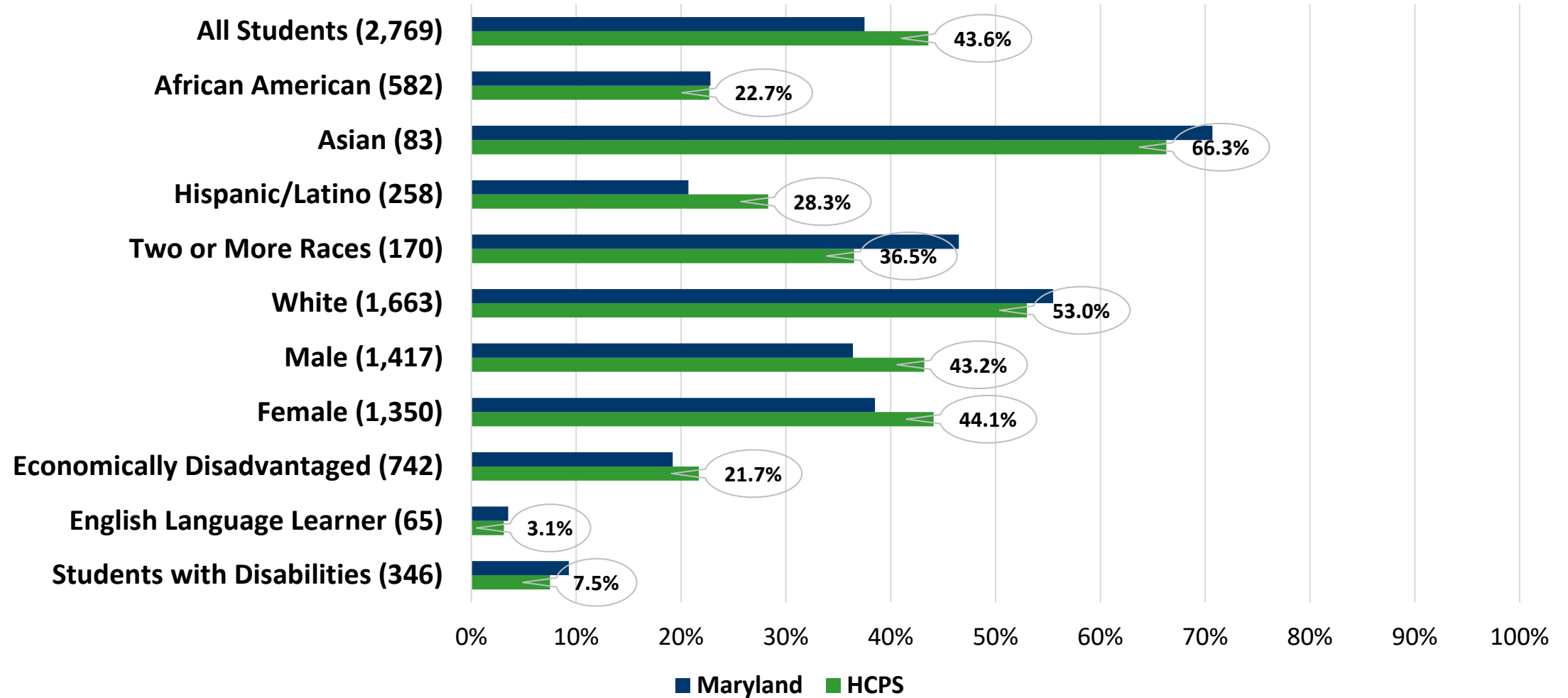
Percent Proficient or Advanced



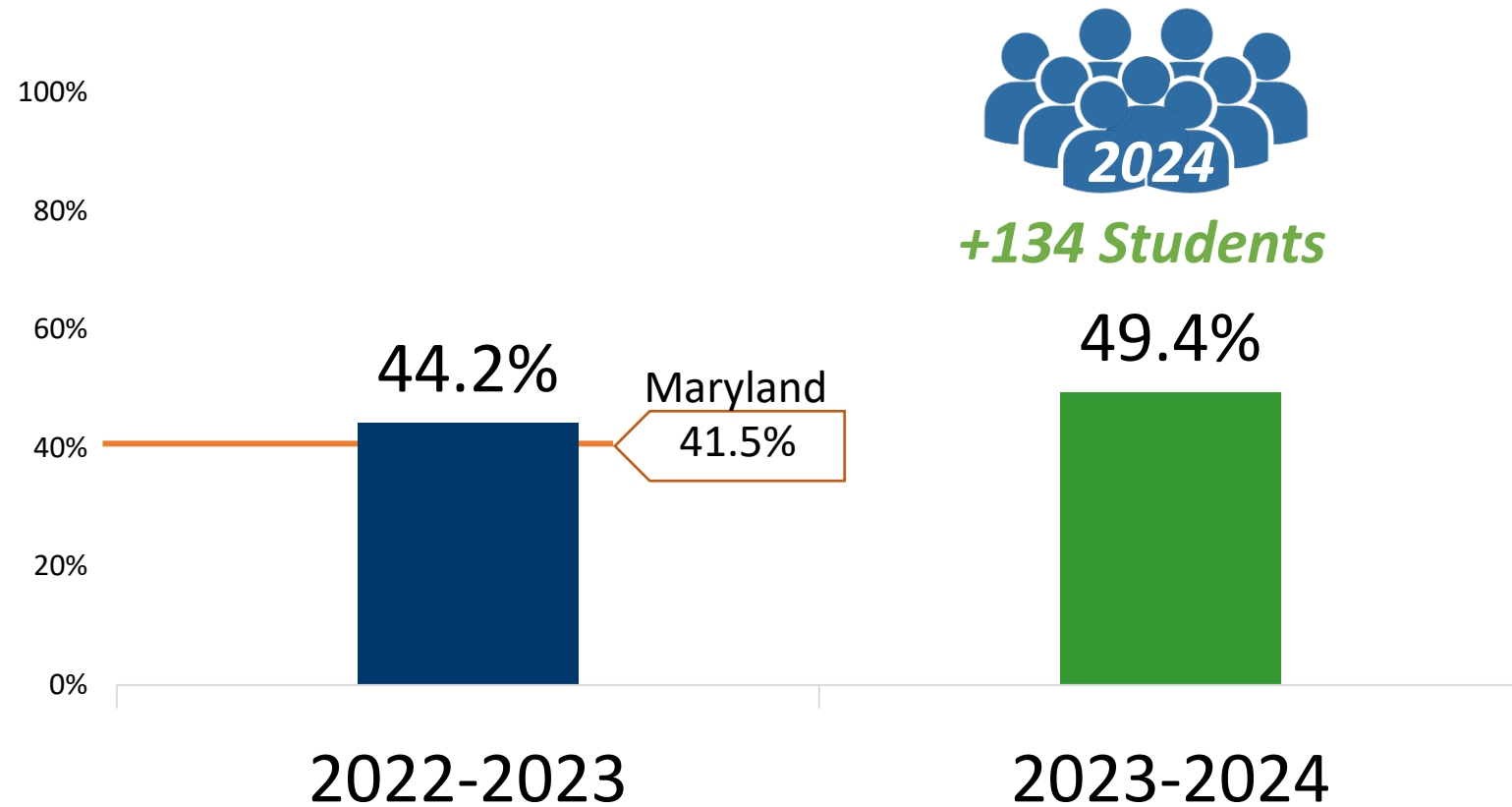


MCAP Social Studies Grade 8: Student Group Performance

Percent Proficient or Advanced



HCPS American Government Percent Proficient or Advanced





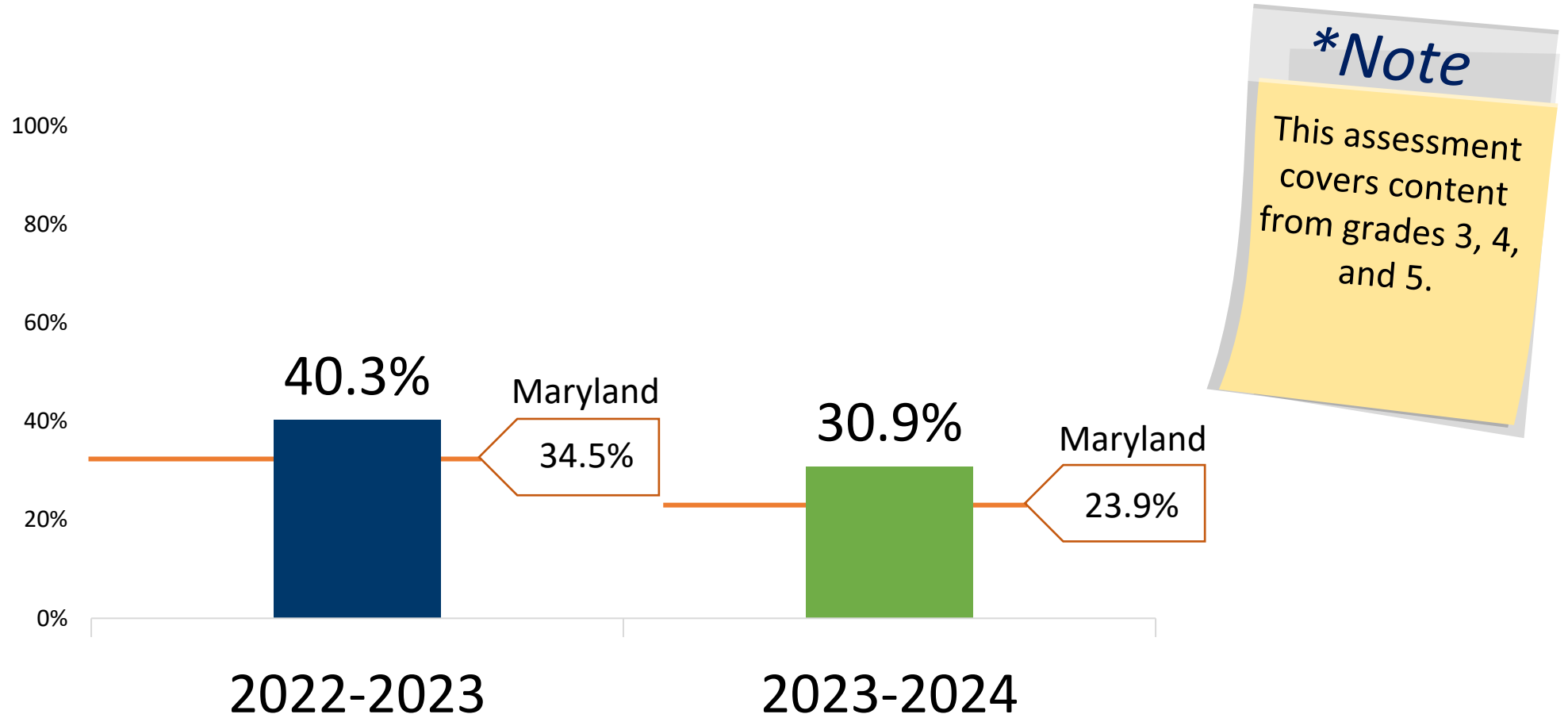
Science:

Maryland Integrated Science Assessment (MISA)
Grades 5 and 8



HCPS MISA: Grade 5

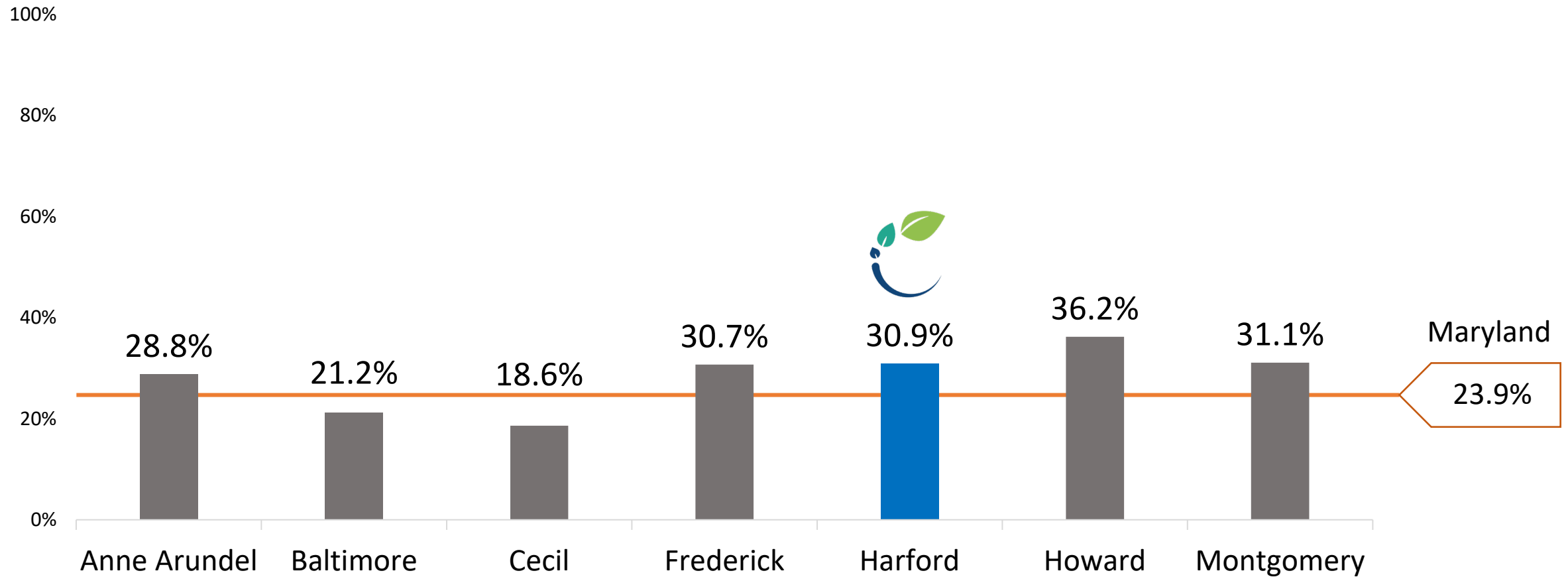
Percent Proficient or Advanced



***Note**
This assessment covers content from grades 3, 4, and 5.

MISA Grade 5, County Comparison

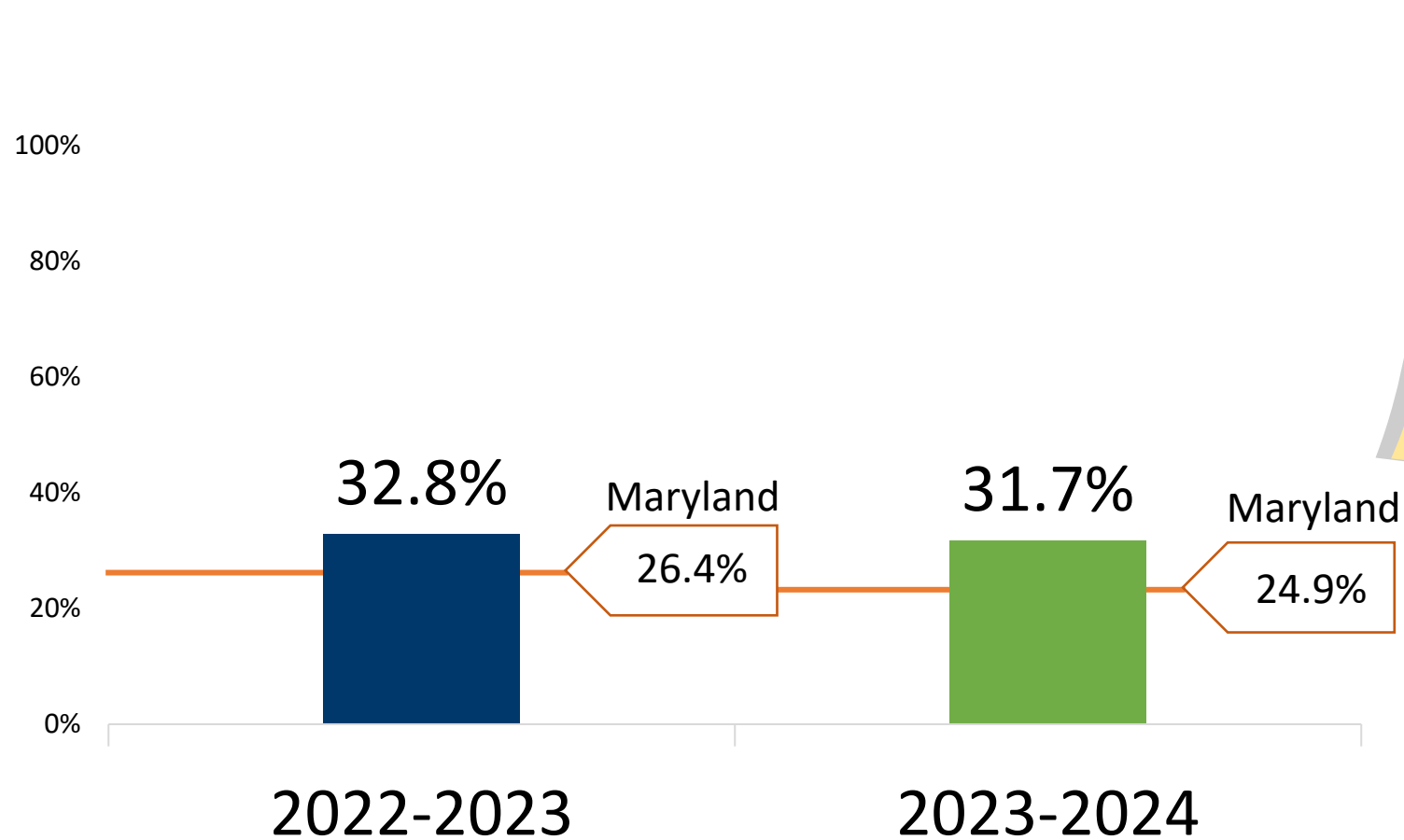
Percent Proficient or Advanced





HCPS MISA: Grade 8

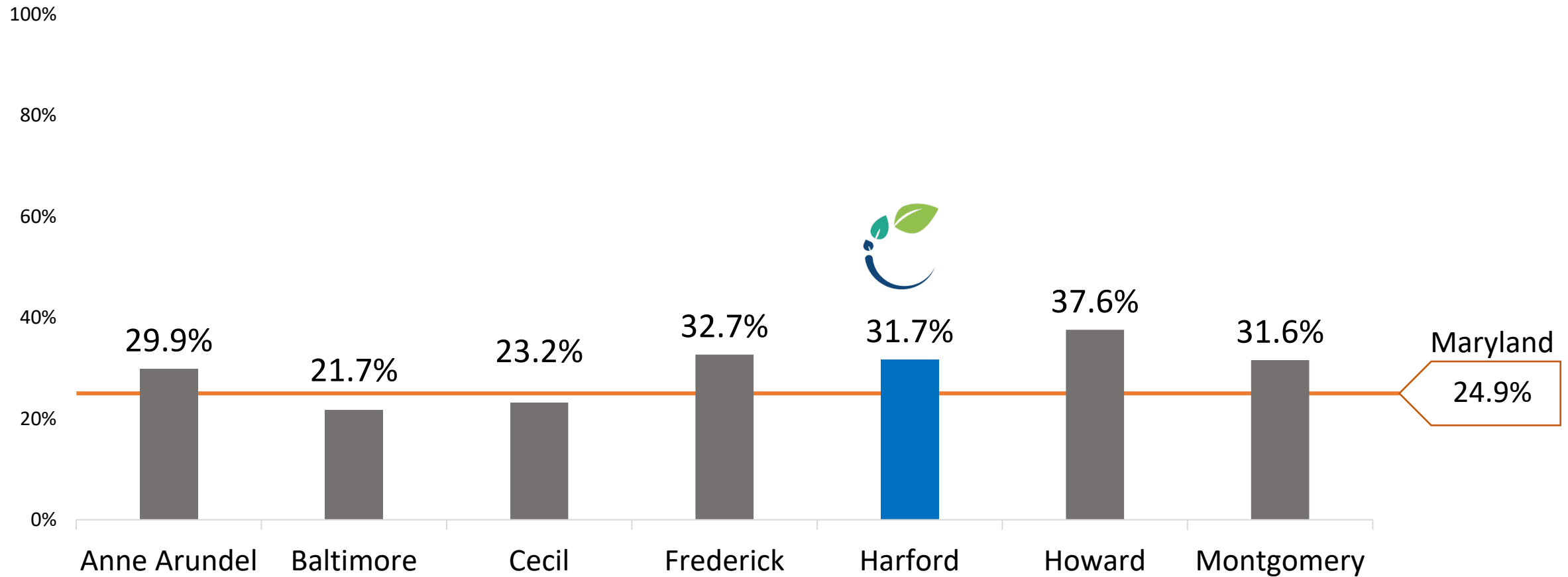
Percent Proficient or Advanced



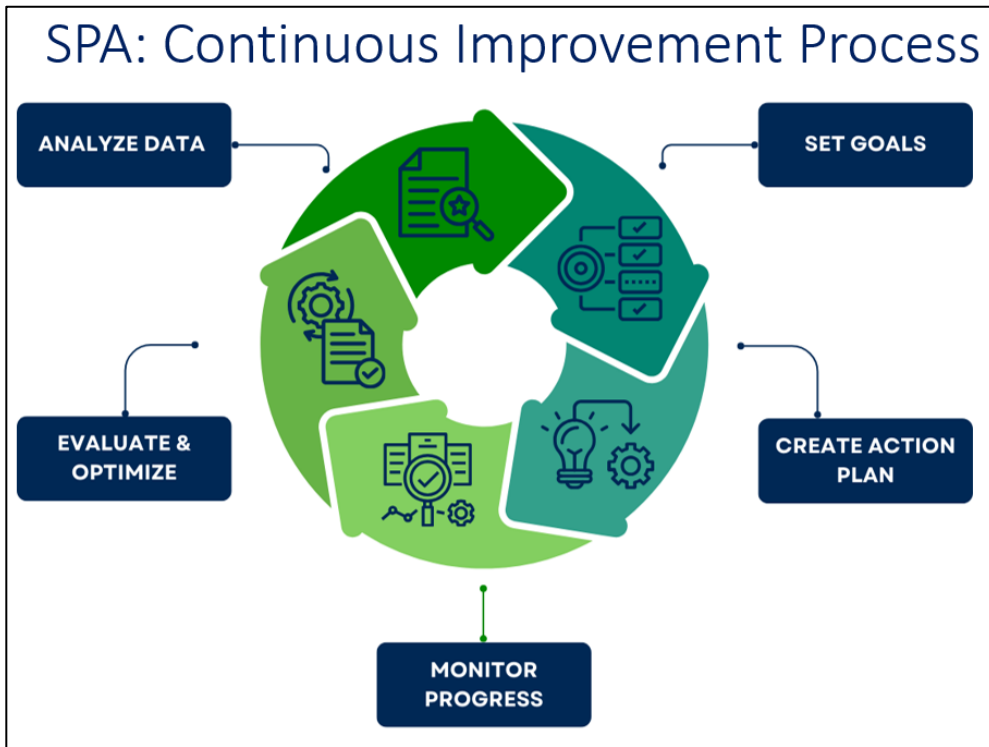
***Note**
This assessment covers content from grades 6, 7, and 8.

MISA Grade 8, County Comparison

Percent Proficient or Advanced



School Performance and Achievement (SPA) Highlights



Analyzing MCAP data to elevate performance for all students and address disparities in student groups.



Differentiating professional learning based on needs to improve performance for all students.



Collaborating with Central Services to support instruction in a variety of ways including, but not limited to, classroom walkthroughs, coaching, data discussions, and family engagement.

Resources

Assessment Calendar
www.hcps.org

MCAP Results from 2023-24
www.mdreportcard.com

Practice tests & resources
support.mdassessments.com

