



Mohammed Choudhury
State Superintendent of Schools

TO: Members of the State Board of Education
FROM: Mohammed Choudhury
DATE: March 22,2022
SUBJECT: Kindergarten Readiness Assessments and Early Fall Assessment Results (2021)

PURPOSE:

To update the State Board on Kindergarten Readiness Assessment (KRA) and Early Fall 2021 assessment results including information by student group and to provide an analysis of learning loss for grade three students from 2019 to 2021.

EXECUTIVE SUMMARY:

The presentation will include the following topics:

1. KRA for 2021-2022 school year including student group data,
2. Early fall results for the 2020-2021 school year including student group data,
3. Cohort analysis of grade three students and their outcomes in grade five.

ACTION:

No action is necessary; for discussion only.

Kindergarten Readiness (2021-2022) and Early Fall (2021) Assessment Results

MARYLAND STATE BOARD OF EDUCATION | March 22, 2022

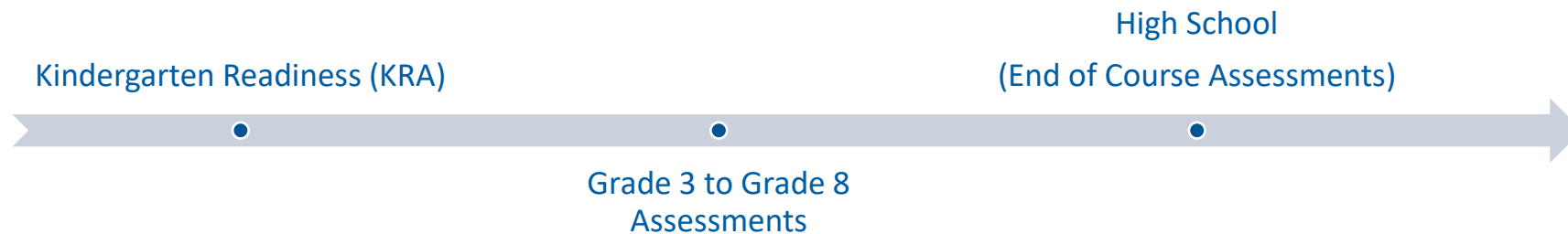
Presented By | Chandra Haislet

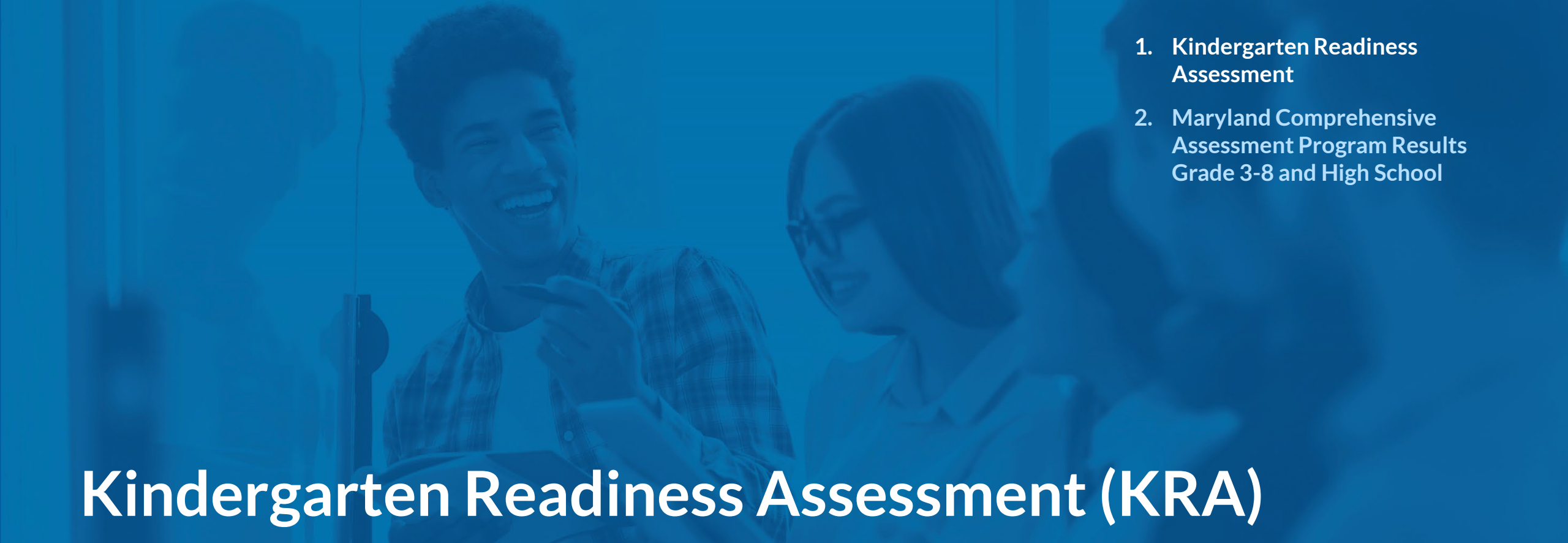


PRESENTATION OUTLINE

Maryland Comprehensive Assessment Program Results

1. Kindergarten Readiness Assessment (KRA)
2. Maryland Comprehensive Assessment Program Results Grade 3-8 and High School



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1. Kindergarten Readiness Assessment
 2. Maryland Comprehensive Assessment Program Results Grade 3-8 and High School

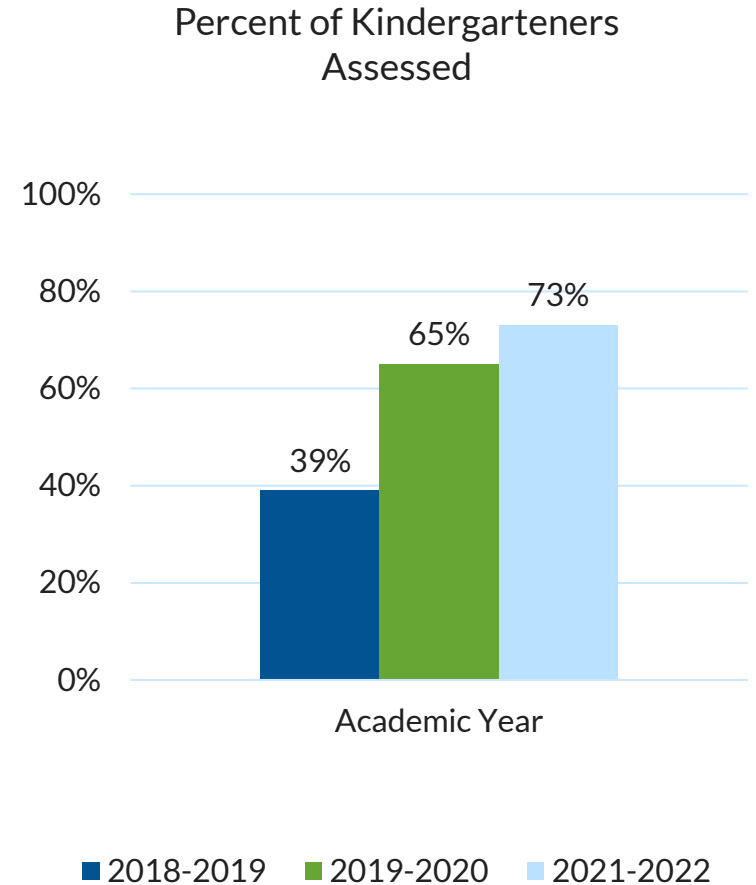
Kindergarten Readiness Assessment (KRA)

Update on Kindergarteners Assessments

Kindergarten Readiness Assessment (KRA)

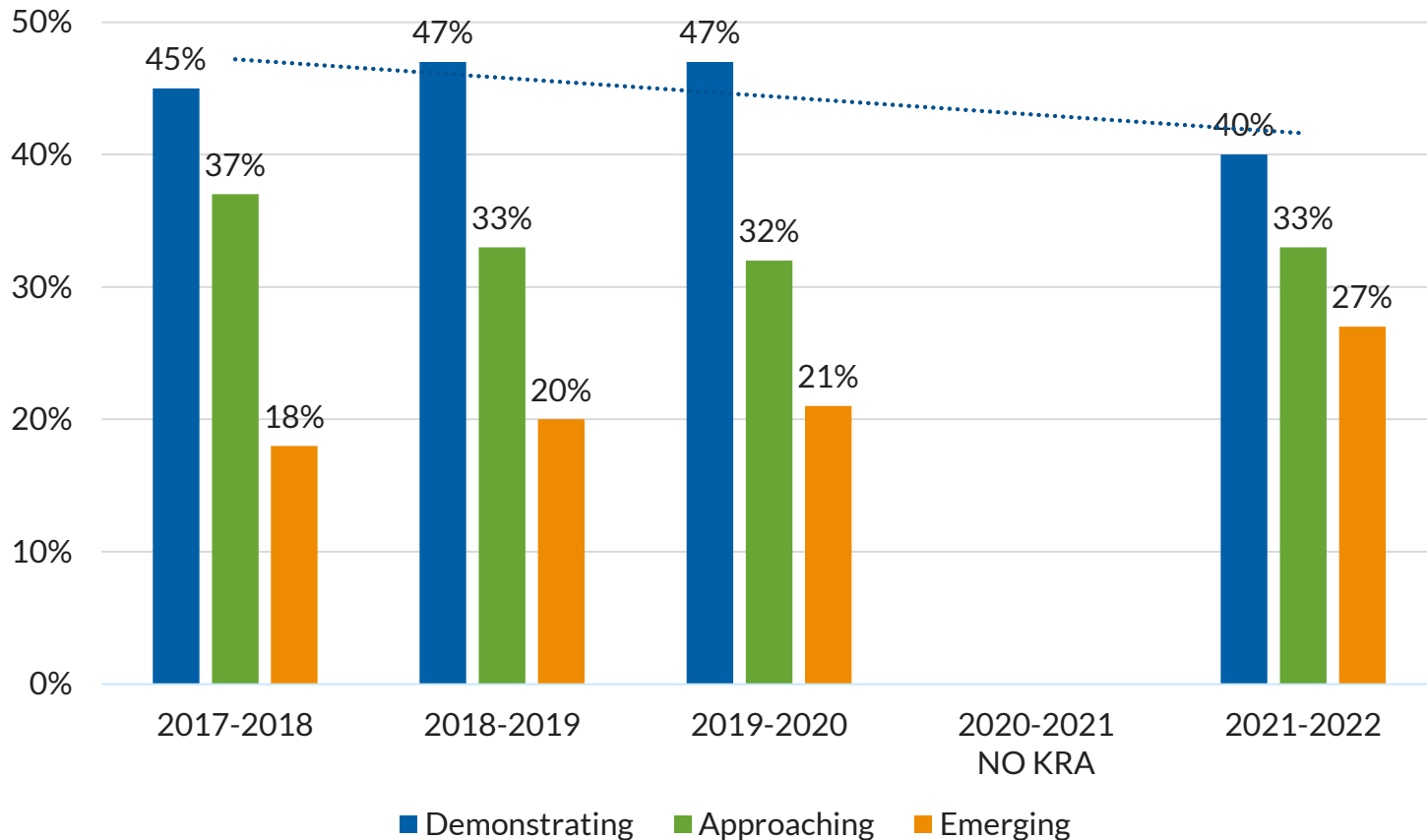
The Kindergarten Readiness Assessment (KRA) is one component of Ready for Kindergarten (R4K): Maryland’s Early Childhood Comprehensive Assessment System.

- The KRA measures the knowledge, skills, and behaviors at kindergarten entry.
- The KRA uses observations of children’s work and play, selected response items, and performance tasks.
- Specific kindergarten readiness skills are measured including language and literacy, social foundations, mathematics, and physical well-being and motor development.
- Typically, the KRA is administered within the first two months of school.
- 21 of 24 Local School systems administered the KRA to all kindergarteners (Census).



Kindergarten Readiness Assessment (KRA)

Maryland Statewide Readiness Over Time



Maryland state results show a decrease in the percent of kindergarteners demonstrating readiness from 47% Fall 2019 to 40% Fall 2021.

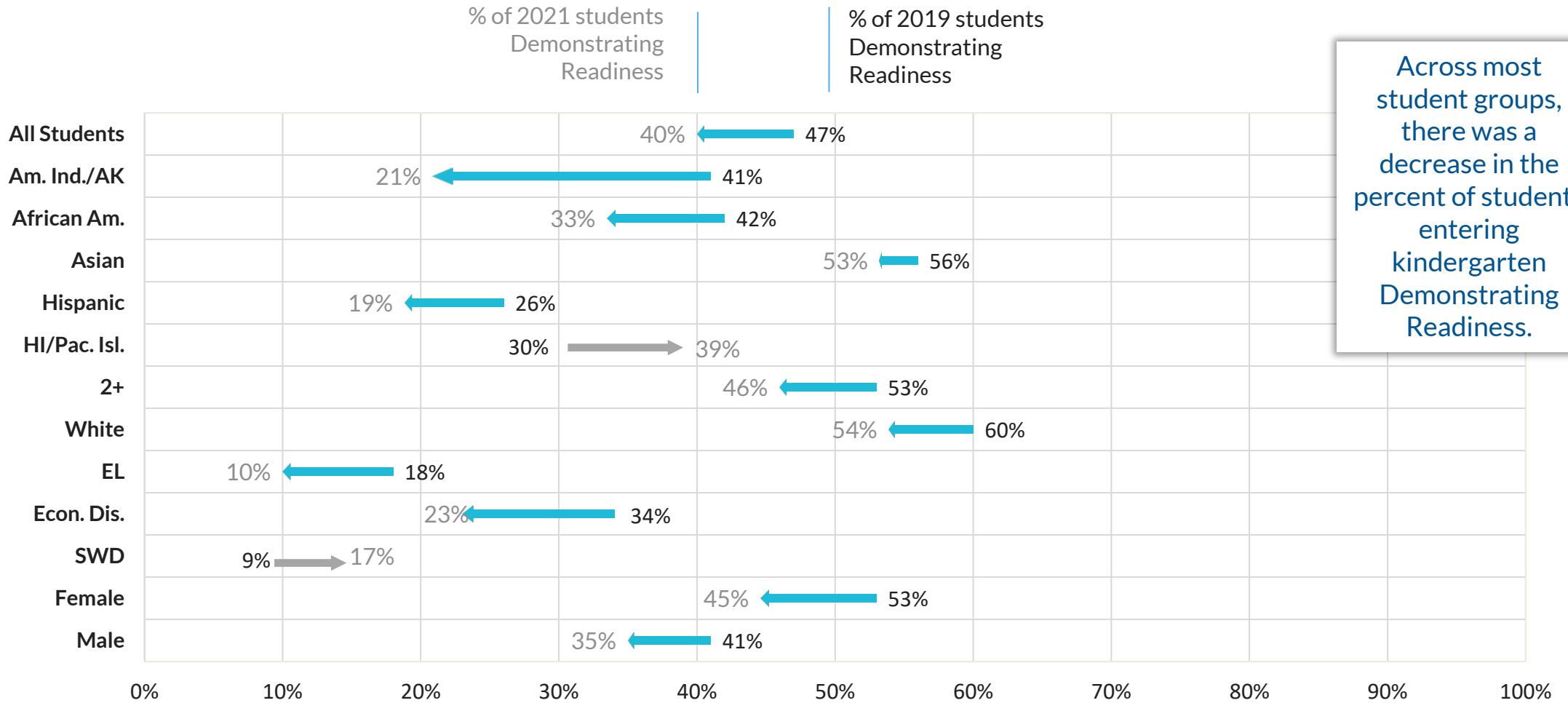
Kindergarteners are determined to be:

Demonstrating Readiness – consistently demonstrate the foundational skills and behaviors that enable a child to fully participate in the kindergarten curriculum.

Approaching Readiness – exhibit some of the foundational skills and behaviors that are needed to participate in the kindergarten curriculum.

Emerging Readiness – show minimal foundational skills and behaviors that prepare them to meet kindergarten expectations.

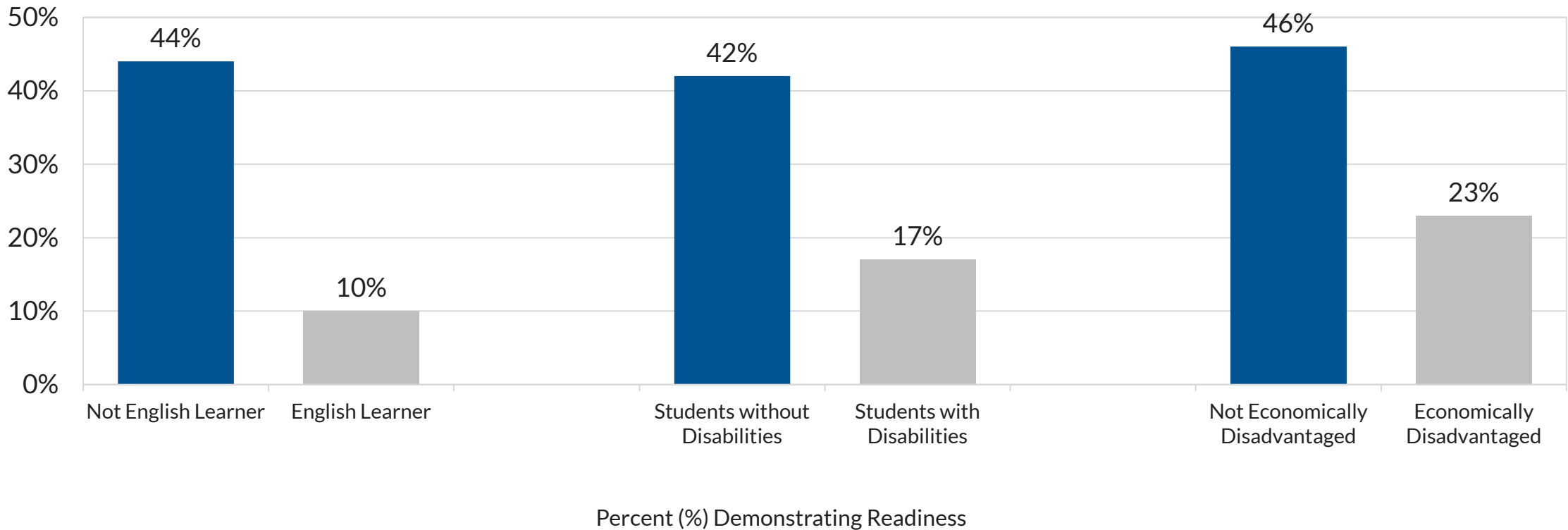
Percent of Students Demonstrating Readiness by Student Group (2019-2020 to 2021-2022)



Across most student groups, there was a decrease in the percent of students entering kindergarten Demonstrating Readiness.

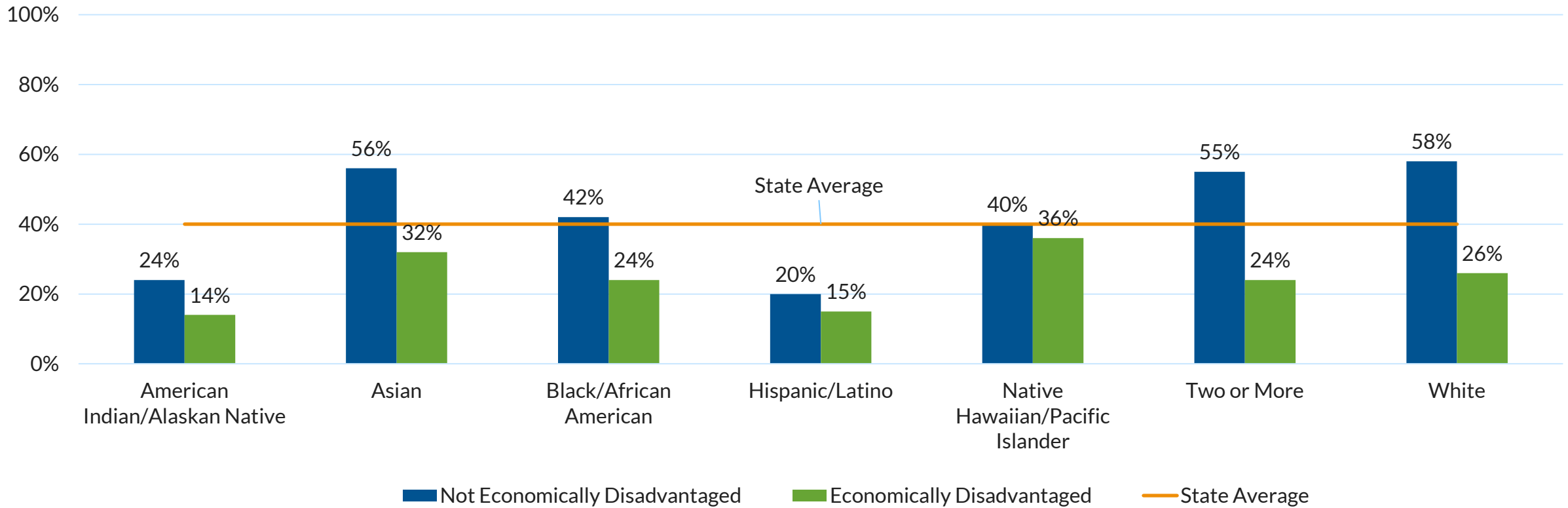
Comparison by Student Groups


Across all kindergarteners assessed fall 2021, 40% Demonstrated Readiness. English learners, students with disabilities and economically disadvantaged students had lower percentages of Demonstrating Readiness as compared to students not identified as an English learner, student with disability, or economically disadvantaged.



Comparison by Race/Ethnicity and Economic Disadvantage

Percent of Kindergarteners Demonstrating Readiness by race/ethnicity and by economically disadvantaged.



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1. Kindergarten Readiness Assessment
 2. Maryland Comprehensive Assessment Program Results Grade 3-8 and High School

Grade 3 to Grade 8 Assessments

Early Fall Results (2021)

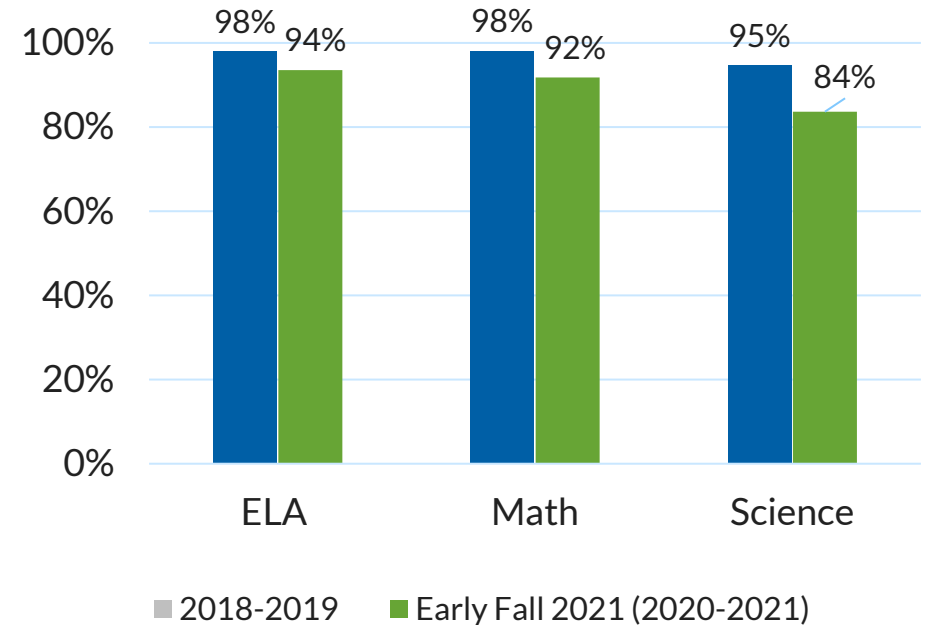
Assessments for the 2020-2021 academic year were administered in an early fall 2021 administration window: **September 13 to October 22, 2021.**

Students took the assessment for the course/grade they were enrolled in for school year 2020-2021.

Early fall assessments were shortened tests with fewer performance levels reported.

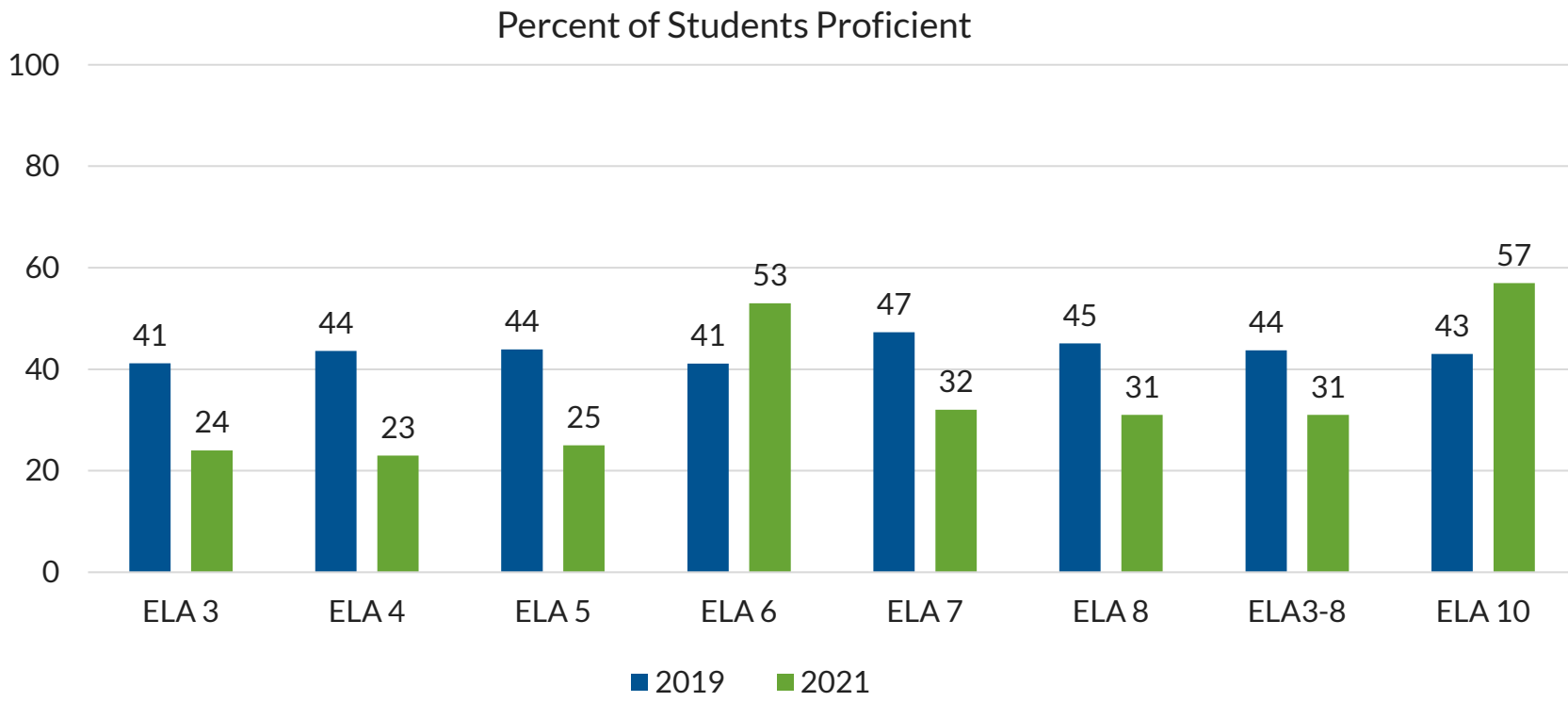
- Exceeded Expectations
- Met Expectations
- Approached Expectations

Percent of Students Assessed



Maryland Comprehensive Assessment Program: Early Fall Results (2021) English Language Arts

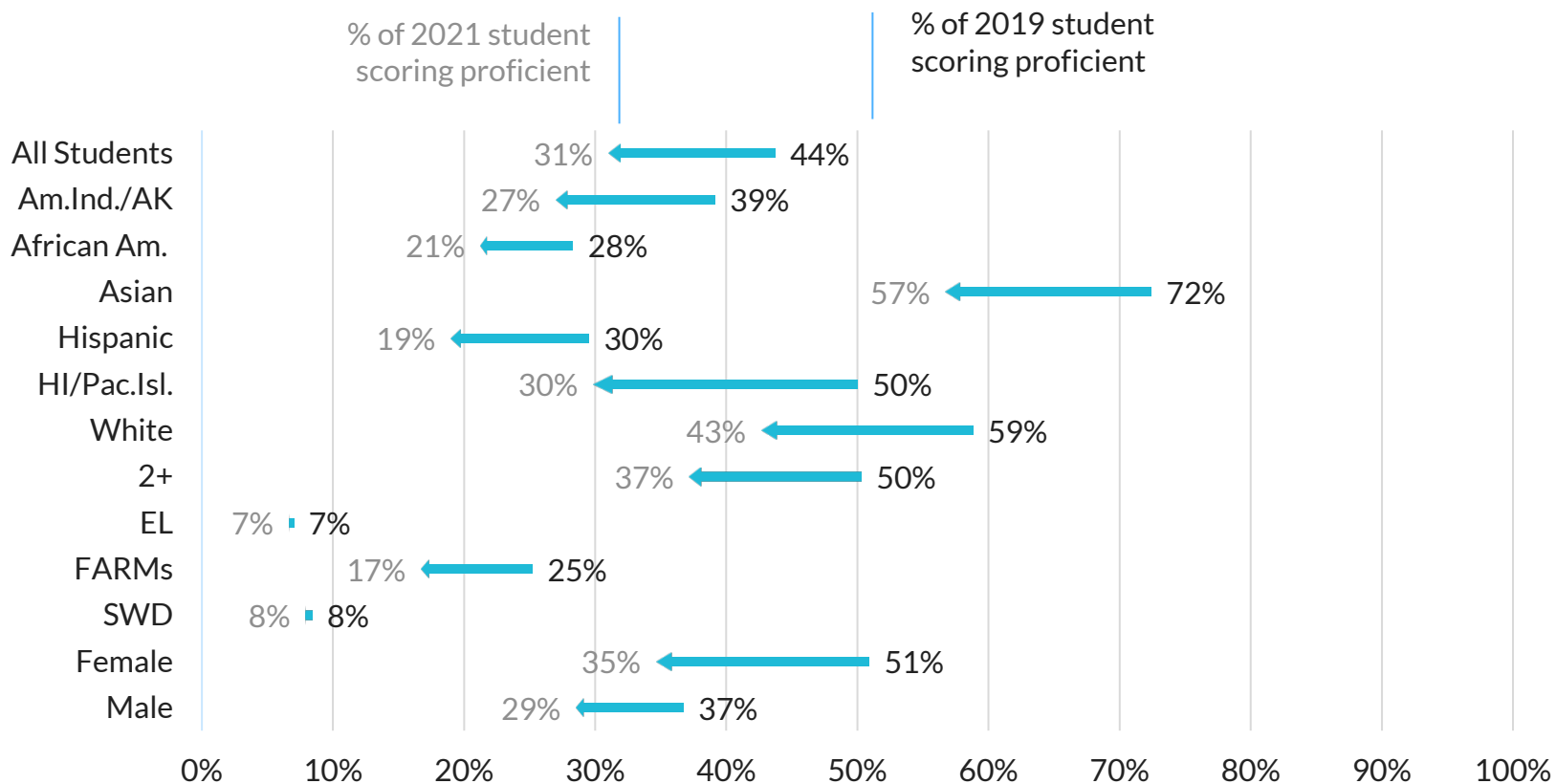
The proficiency rate results for early fall 2021 decreased as compared to spring 2019. For ELA grade 3 to 8 combined the proficiency rate decreased by 13 percentage points.



Test	Tested Count Spring 2019	Tested Count Fall 2021
ELA 3	66,062	61,579
ELA 4	67,978	63,364
ELA 5	69,513	60,888
ELA 6	67,866	63,455
ELA 7	65,821	65,187
ELA 8	64,166	57,816
ELA 3-8	401,406	372,289
ELA 10	88,820	56,023

Maryland Comprehensive Assessment Program: Early Fall Results (2021) English Language Arts Grade 3-8

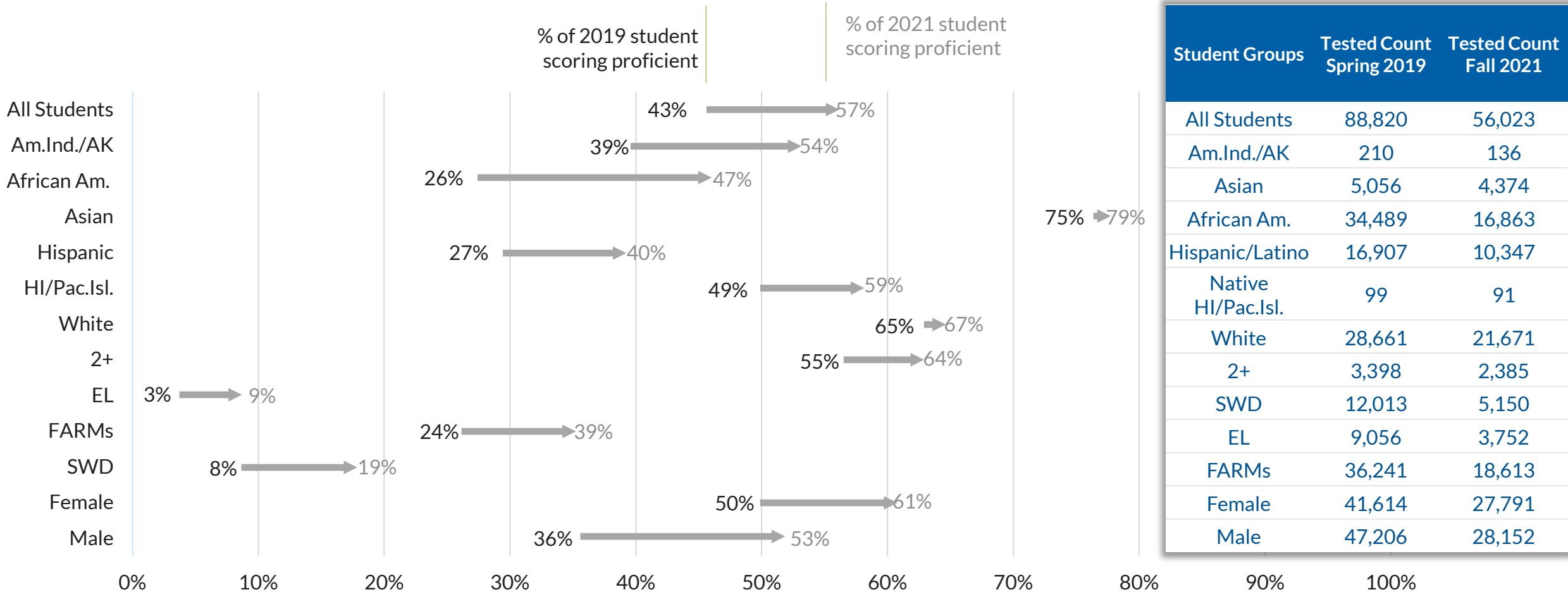
Percent of Students Scoring Proficient by Student Group (2018-2019 to 2020-2021)



Student Groups	Tested Count Spring 2019	Tested Count Fall 2021
All Students	401,406	372,289
Am.Ind./AK	1,102	989
Asian	26,455	25,863
African Am.	135,248	119,954
Hispanic/Latino	72,708	75,197
Native HI/Pac.Isl.	635	546
White	146,113	129,707
2+	19,145	19,088
SWD	45,812	40,410
EL	34,250	41,422
FARMs	176,927	155,243
Female	196,444	182,948
Male	204,962	188,715

Maryland Comprehensive Assessment Program: Early Fall Results (2021) English 10

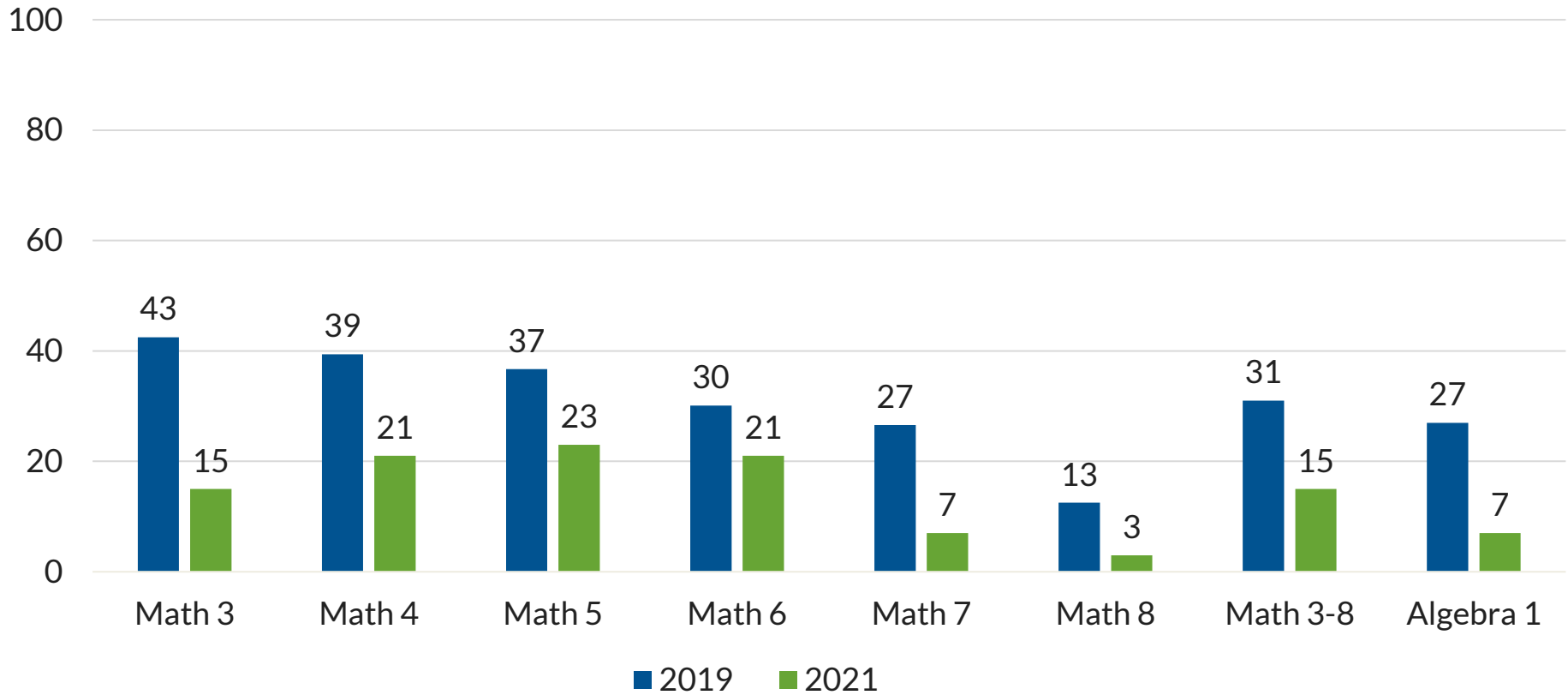
Percent of Students Scoring Proficient by Student Group (2018-2019 to 2020-2021)



Maryland Comprehensive Assessment Program: Early Fall 2021 Mathematics Results

The proficiency rate results for early fall 2021 decreased as compared to spring 2019. For math grade 3 to 8 combined the proficiency rate decreased by 16 percentage points.

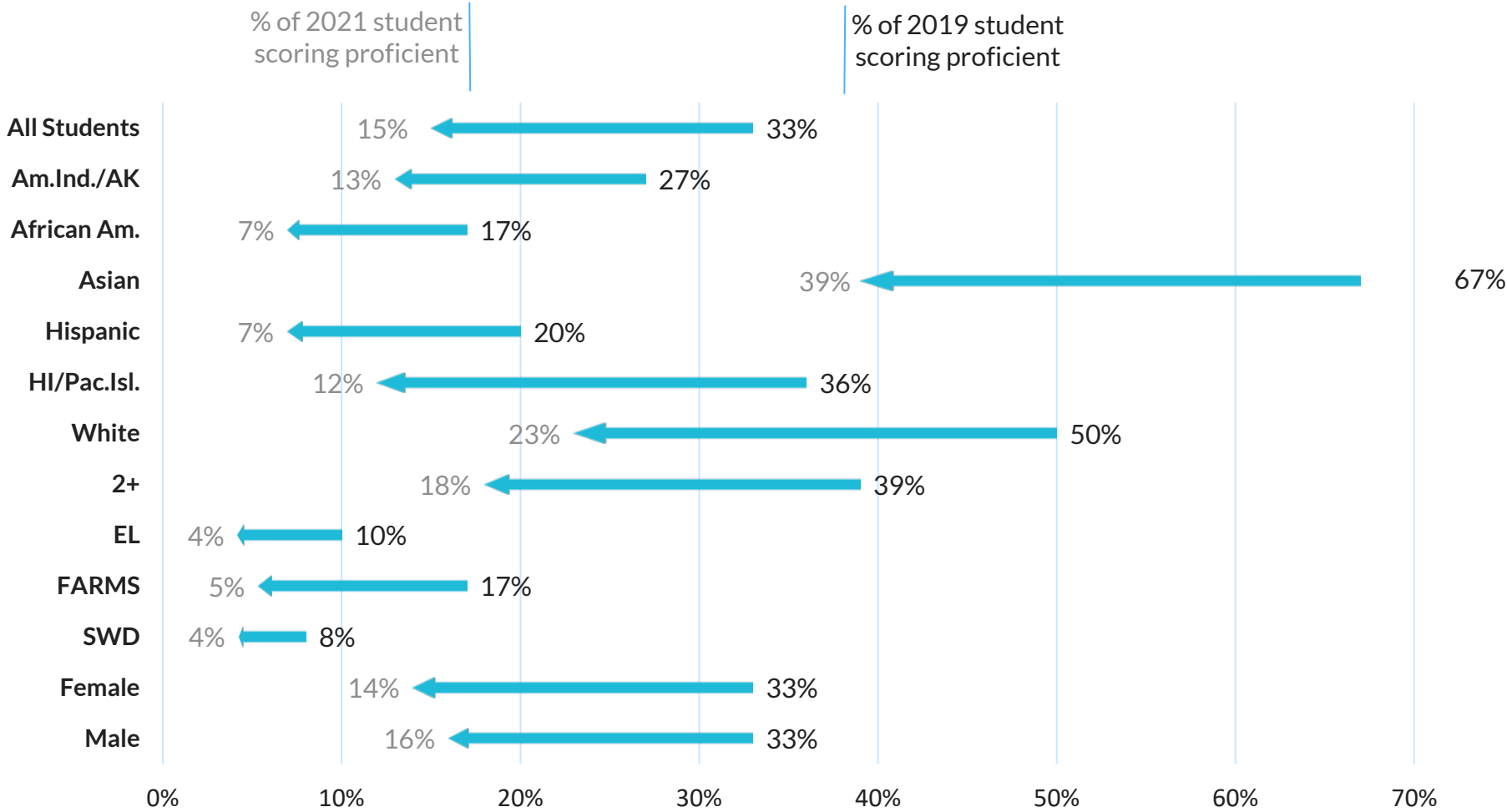
Percent of Students Proficient



Test	Tested Count Spring 2019	Tested Count Fall 2021
Math 3	66,364	61,677
Math 4	68,307	63,306
Math 5	69,786	60,788
Math 6	67,762	62,874
Math 7	58,120	56,058
Math 8	36,356	33,636
Math 3-8	366,695	338,339
Algebra I	98,988	59,623

Maryland Comprehensive Assessment Program: Early Fall Results (2021) Math Grade 3-8

Percent of Students Scoring Proficient by Student Group (2018-2019 to 2020-2021)

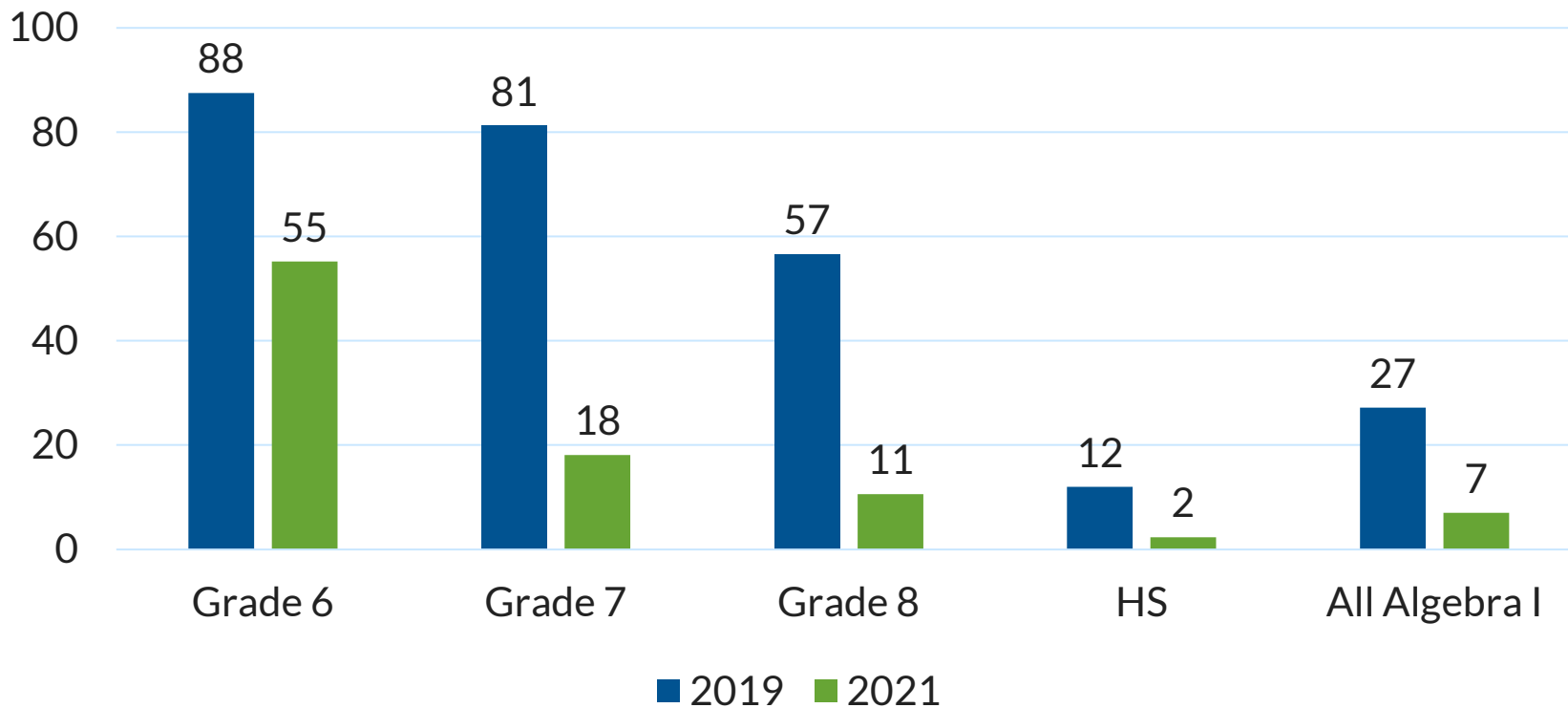


Student Groups	Tested Count Spring 2019	Tested Count Fall 2021
All Students	366,695	338,339
Am.Ind./AK	1,036	900
Asian	21,121	20,254
African Am.	128,101	113,012
Hispanic/Latino	69,069	71,151
Native HI/Pac.Isl.	586	495
White	129,486	114,393
2+	17,296	17,188
SWD	44,746	39,402
EL	35,313	41,570
FARMS	169,314	148,515
Female	178,869	165,953
Male	187,826	171,781

Maryland Comprehensive Assessment Program: Early Fall Results (2021) Algebra I

Students in Maryland take the end-of-course Algebra I after completing the course. There was a decrease in proficiency rate across all grades in Algebra I with a decrease of 20 percentage points overall when compared to 2019.

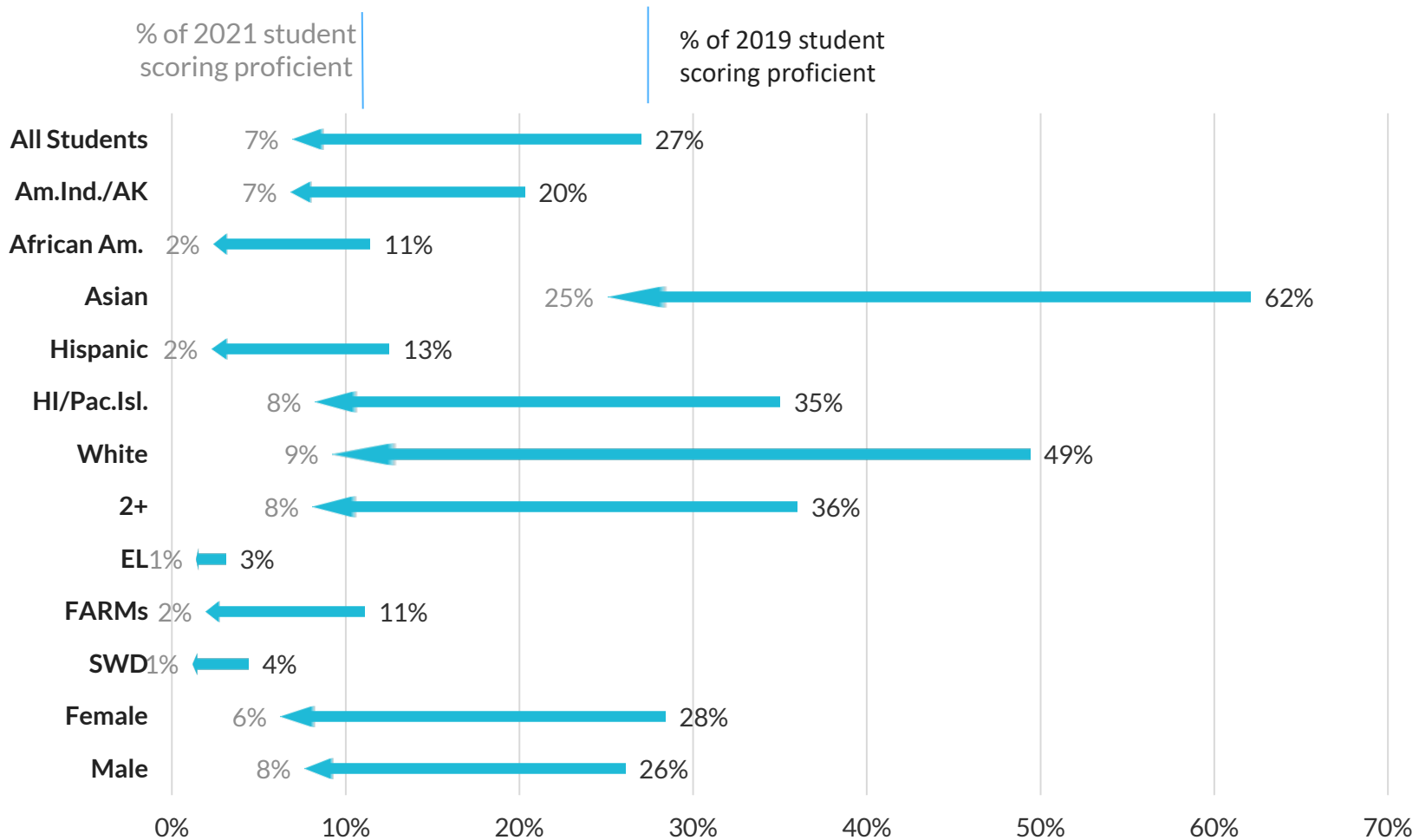
Percent of Students Proficient by Algebra I and Student Grade



Grades	Tested Count Spring 2019	Tested Count Fall 2021
Grade 6	247	252
Grade 7	7,757	8,429
Grade 8	21,611	15,676
HS (9-12)	69,375	35,263
All Algebra I	98,991	59,623

Maryland Comprehensive Assessment Program: Early Fall Results (2021) Algebra I

Percent of Students Scoring Proficient by Student Group (2018-2019 to 2020-2021).

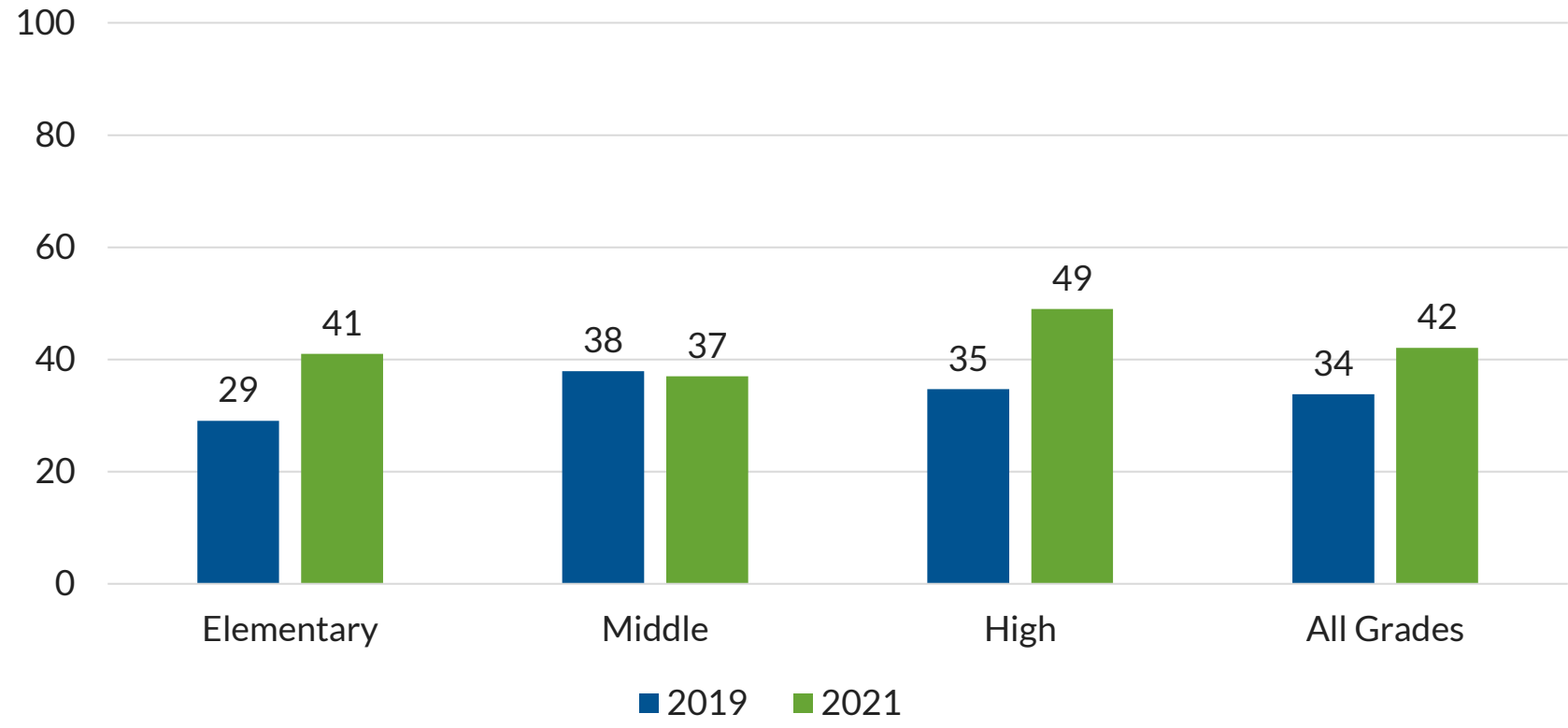


Student Groups	Tested Count Spring 2019	Tested Count Fall 2021
All Students	98,988	59,623
Am.Ind./AK Native	256	146
Asian	5,522	4,712
African Am.	39,135	18,279
Hispanic/Latino	19,507	11,611
Native HI/Pac.Isl.	120	97
White	30,671	21,960
2+	3,777	2,601
SWD	13,814	5,505
EL	9,930	4,635
FARMs	42,577	21,426
Female	47,541	29,135
Male	51,447	30,361

Maryland Comprehensive Assessment Program: Early Fall Results (2021) Science

Students take Science once in each grade span (Elementary, Middle, and High). The proficiency rate was higher early fall 2021 when compared to 2018-2019.

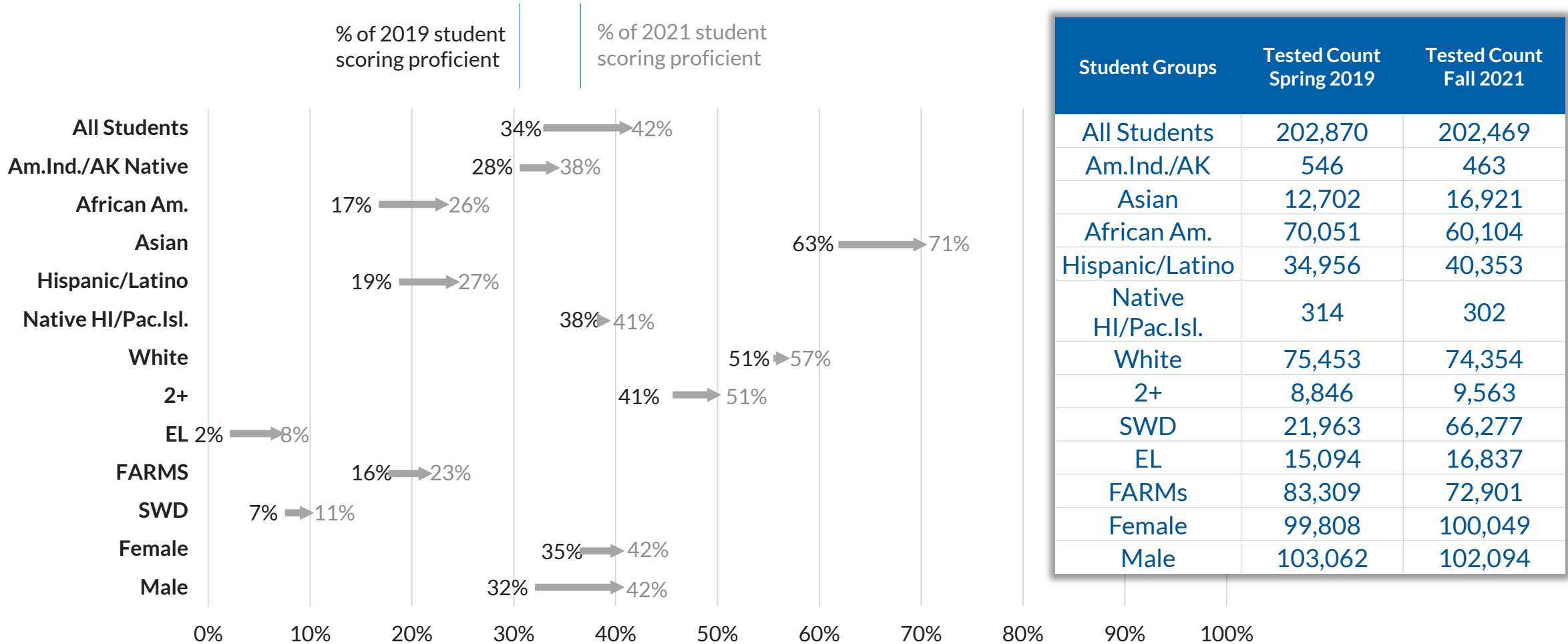
Percent of Students Proficient



Grades	Tested Count Spring 2019	Tested Count Fall 2021
Grade 5	70,144	60,588
Grade 8	64,803	56,288
HS	67,923	85,593
Total Science	202,870	202,469

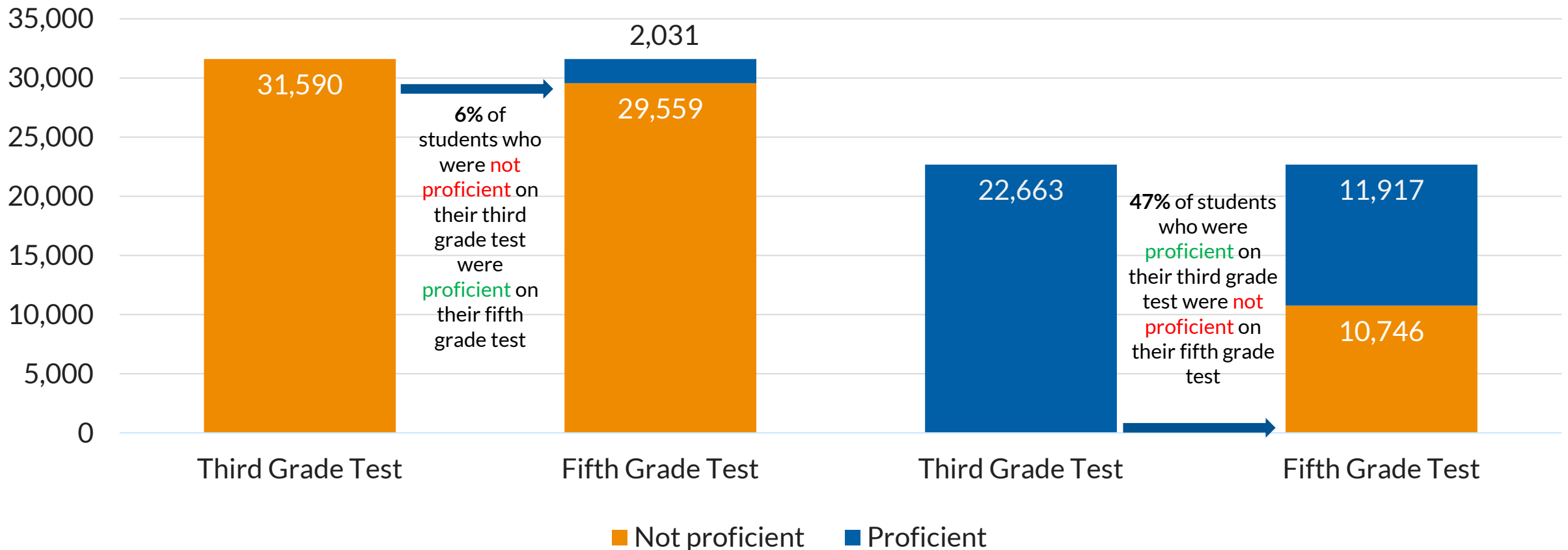
Maryland Comprehensive Assessment Program: Early Fall Results (2021) Science

Percent of Students Scoring Proficient by Student Group (2018-2019 to 2020-2021).



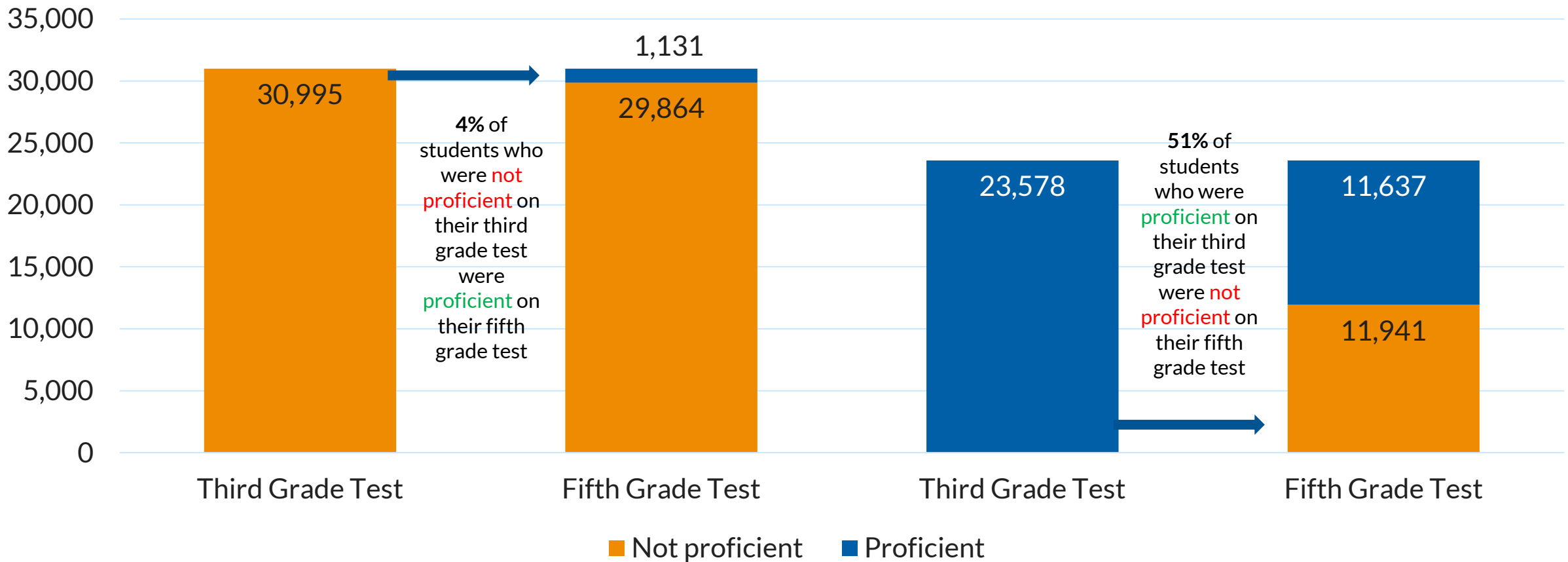
English Language Arts Grade 3 Outcome Two Years Later Cohort Analysis: 2019 Grade 3 to 2021 Grade 5

Students not proficient in grade 3 (31,590), only 6% were proficient in grade 5.
For students that start off as proficient in grade 3, 47% are not proficient in grade 5.



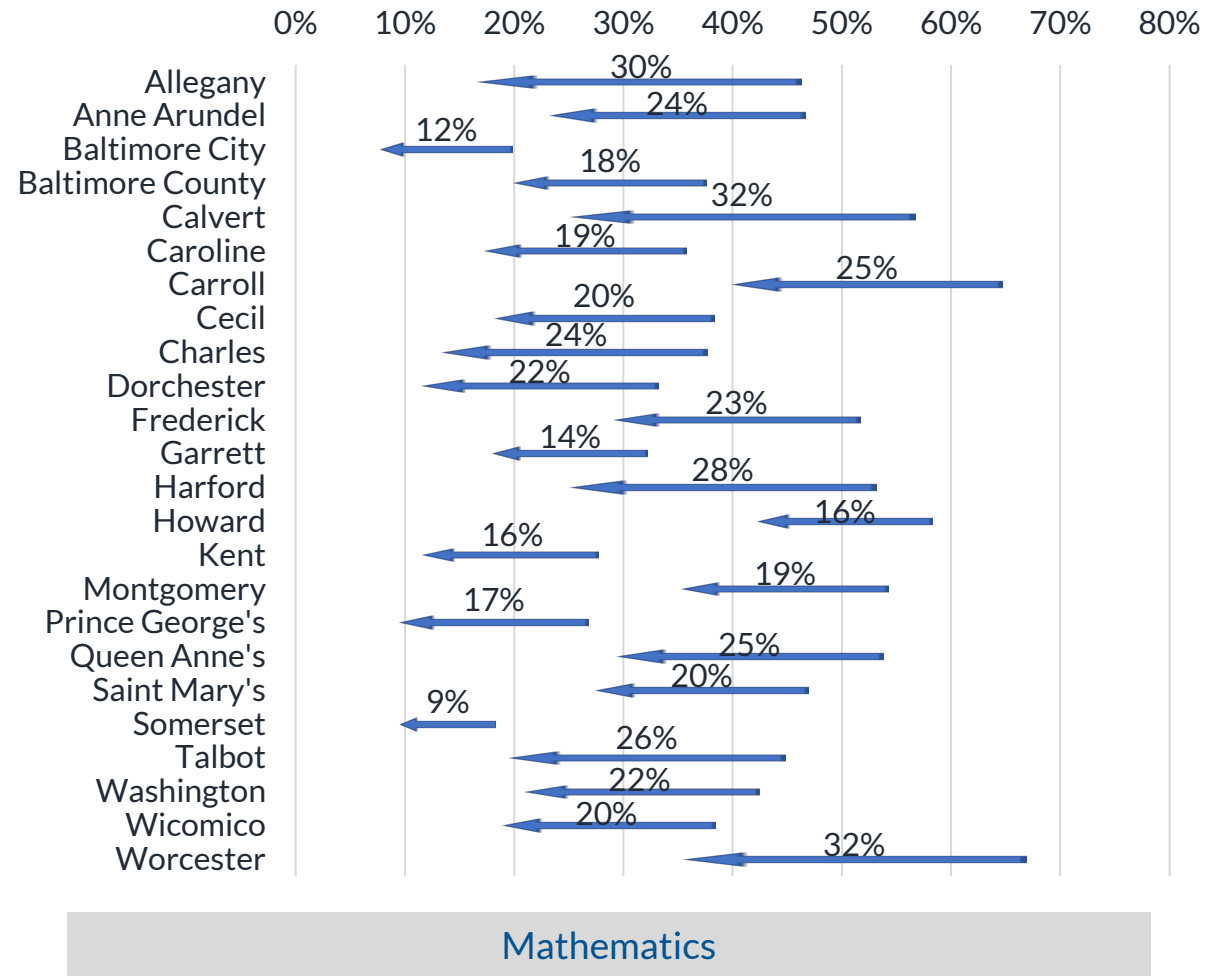
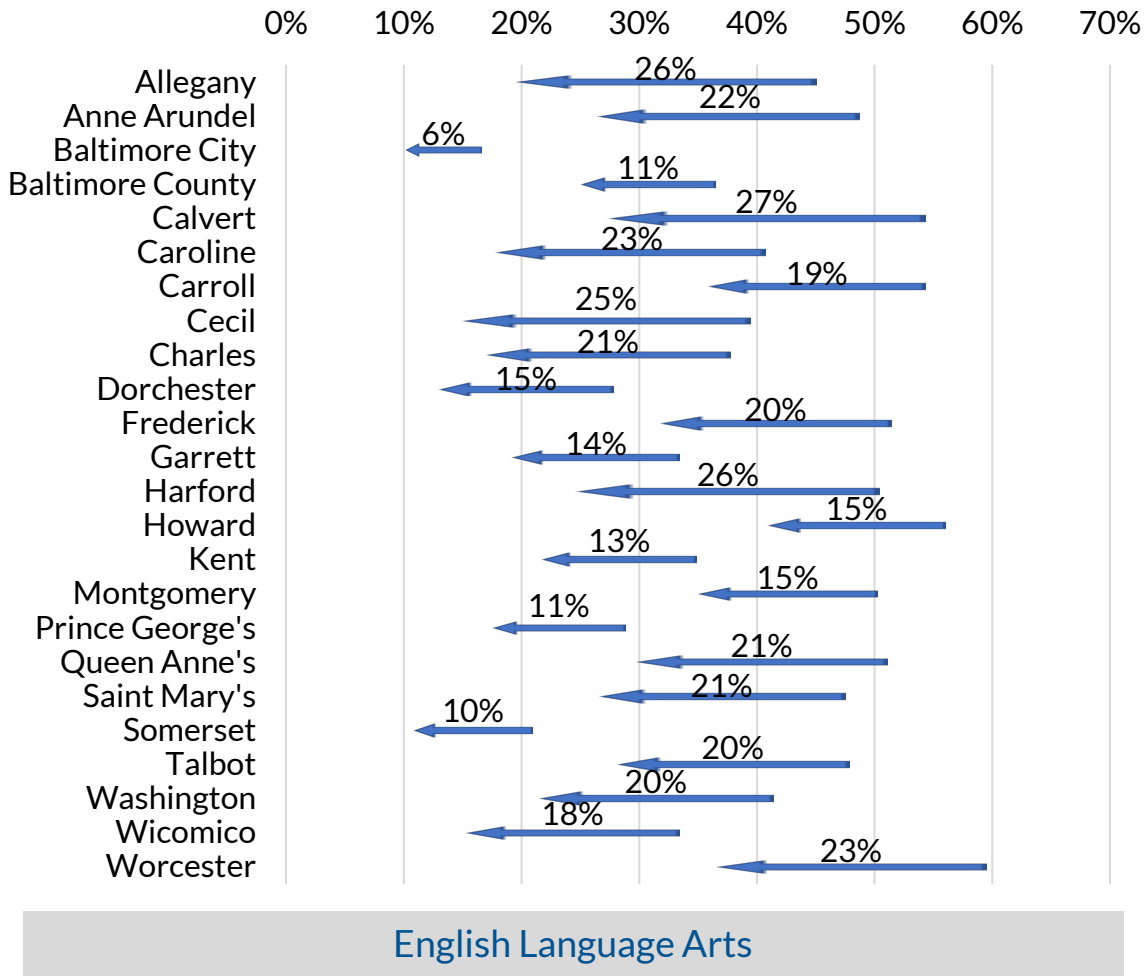
Mathematics Grade 3 Outcome Two Years Later Cohort Analysis: 2019 Grade 3 to 2021 Grade 5

Students not proficient in grade 3 (30,995), only 4% were proficient in grade 5.
For students that start off as proficient in grade 3, 51% are not proficient in grade 5.



Cohort Analysis Grade 3 Two Years Later By LEA: 2019 Grade 3 to 2021 Grade 5

All LEAs saw a decrease in proficiency for students who tested in both grade 3 in 2019 and grade 5 in 2021.





MARYLAND STATE

- At A Glance
- Report Card
- Demographics
- MCAP**
- Graduation + College Status
- Civil Rights Data Collection

STATE

- English Language Arts >
- Mathematics >
- Science >
- English Language Proficiency
- Definitions

NATIONAL

- College Readiness >
- NAEP

2021 Maryland Comprehensive Assessment Program (MCAP) Administrative Performance Results and Participation Rates

The Maryland Comprehensive Assessment Program (MCAP) data are presented differently this year due to how schools operated during the COVID-19 pandemic. Maryland received a waiver from the US Department of Education to administer a shortened statewide assessment for the 2020-2021 school year during the early fall of the 2021-2022 school year.

Explore assessment data from each of the subject areas below to see state, local education agency, and school data from the 2020-2021 school year.

MCAP English Language Arts (ELA)

- [Elementary, middle and high school ELA assessment data](#)
- [Elementary, middle and high school ELA alternate assessment data](#)

MCAP Mathematics

- [Elementary, middle and high school mathematics assessment data](#)
- [Elementary, middle and high school mathematics alternate assessment data](#)

MCAP Science

- [Elementary and middle school science assessment data](#)
- [High school science assessment data](#)
- [Elementary, middle and high school science alternate assessment data](#)

MCAP Assessment Participation Rate

- [ELA, mathematics, and science participation rate data](#)

Maryland Report Card