



Karen B. Salmon, Ph.D.
State Superintendent of Schools

TO: Members of the State Board of Education

FROM: Karen B. Salmon, Ph.D.

DATE: August 28, 2018

SUBJECT: Partnership for Assessment of Readiness for College and Careers (PARCC) Results, 2018

PURPOSE:

To present the State Board with the results of the 2018 administration of the Partnership for Assessment of Readiness for College and Careers (PARCC) tests.

EXECUTIVE SUMMARY:

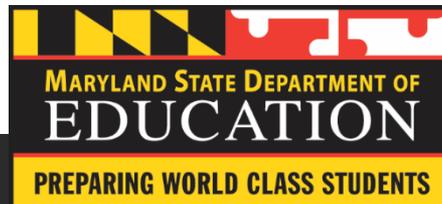
MSDE will provide the following information:

1. State level results by exam, 2018 and change over time
2. Local school system results, 2018 and change over time
3. Student group achievement (race/ethnicity, service groups, and race/ethnic by service group), 2018 and change over time

ACTION:

No action is necessary, for discussion only.

Partnership for Assessment of Readiness for College and Careers (PARCC) Results 2018



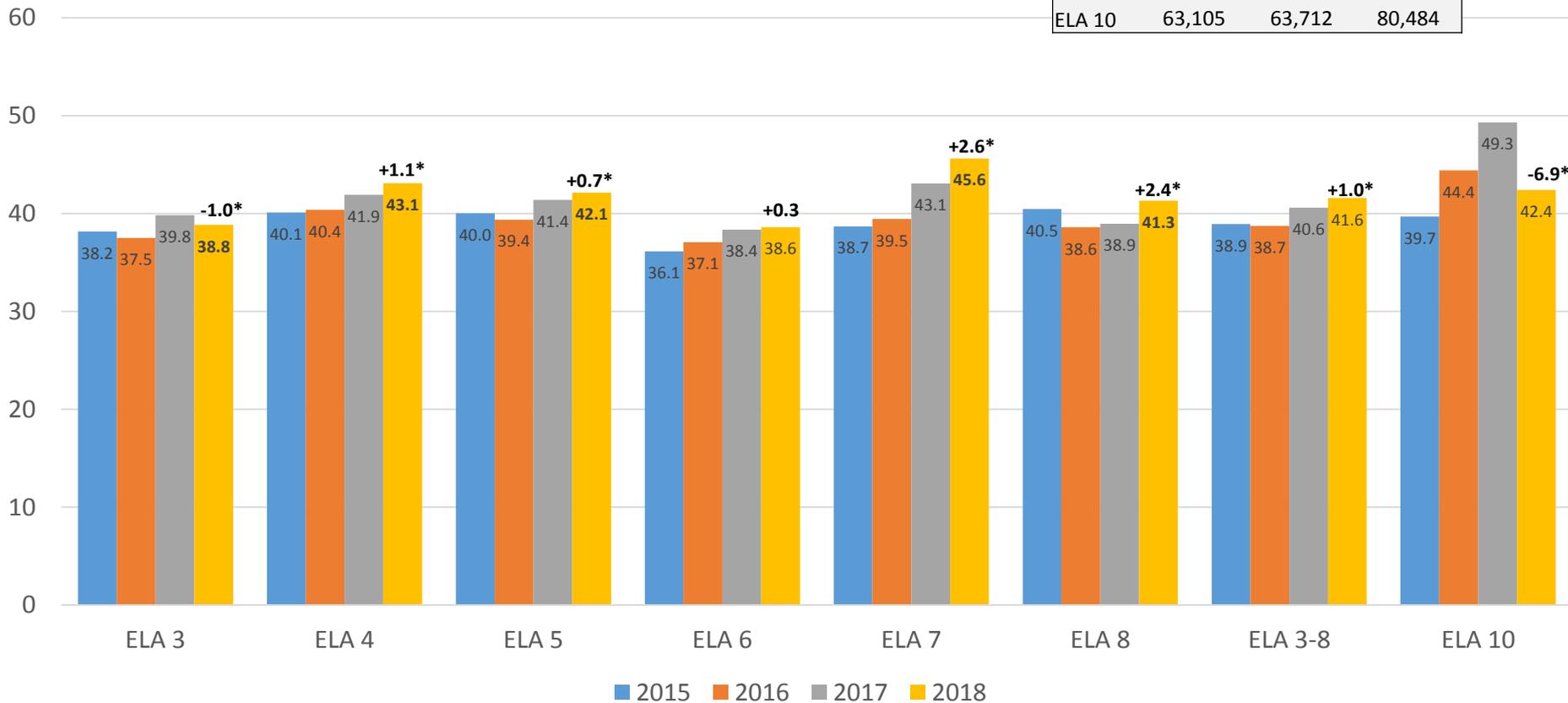
STATE BOARD MEETING
August 28, 2018

PARCC Results, 2018

1. State level results by exam, 2018 and change over time
2. Local school system results, 2018 and change over time
3. Student group achievement, 2018 and change over time (race/ethnicity, service groups, and race/ethnicity by service group)

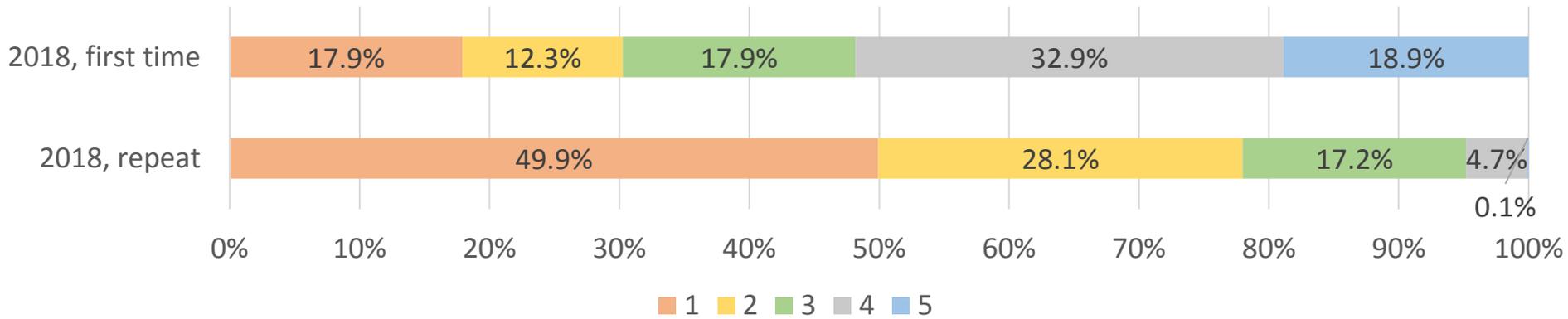
English Language Arts: Performance Level 4 or Higher by Exam, 2015-2018

	Tested Count 2016	Tested Count 2017	Tested Count 2018
ELA 3-8	385,823	393,123	399,863
ELA 3	67,758	68,779	67,719
ELA 4	65,915	68,070	69,417
ELA 5	64,302	66,143	68,662
ELA 6	63,151	63,573	65,786
ELA 7	62,649	63,515	64,178
ELA 8	62,048	63,043	64,101
ELA 10	63,105	63,712	80,484

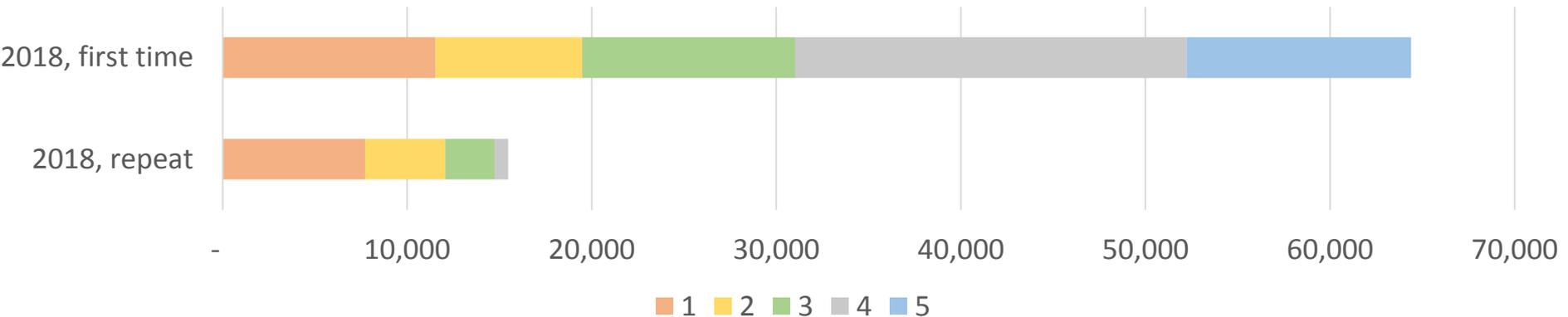


2018 ELA10 Exams, First-Time and Repeat Tests

ELA10 Performance Levels by Rate, 2018 First-Time and Repeat Tests

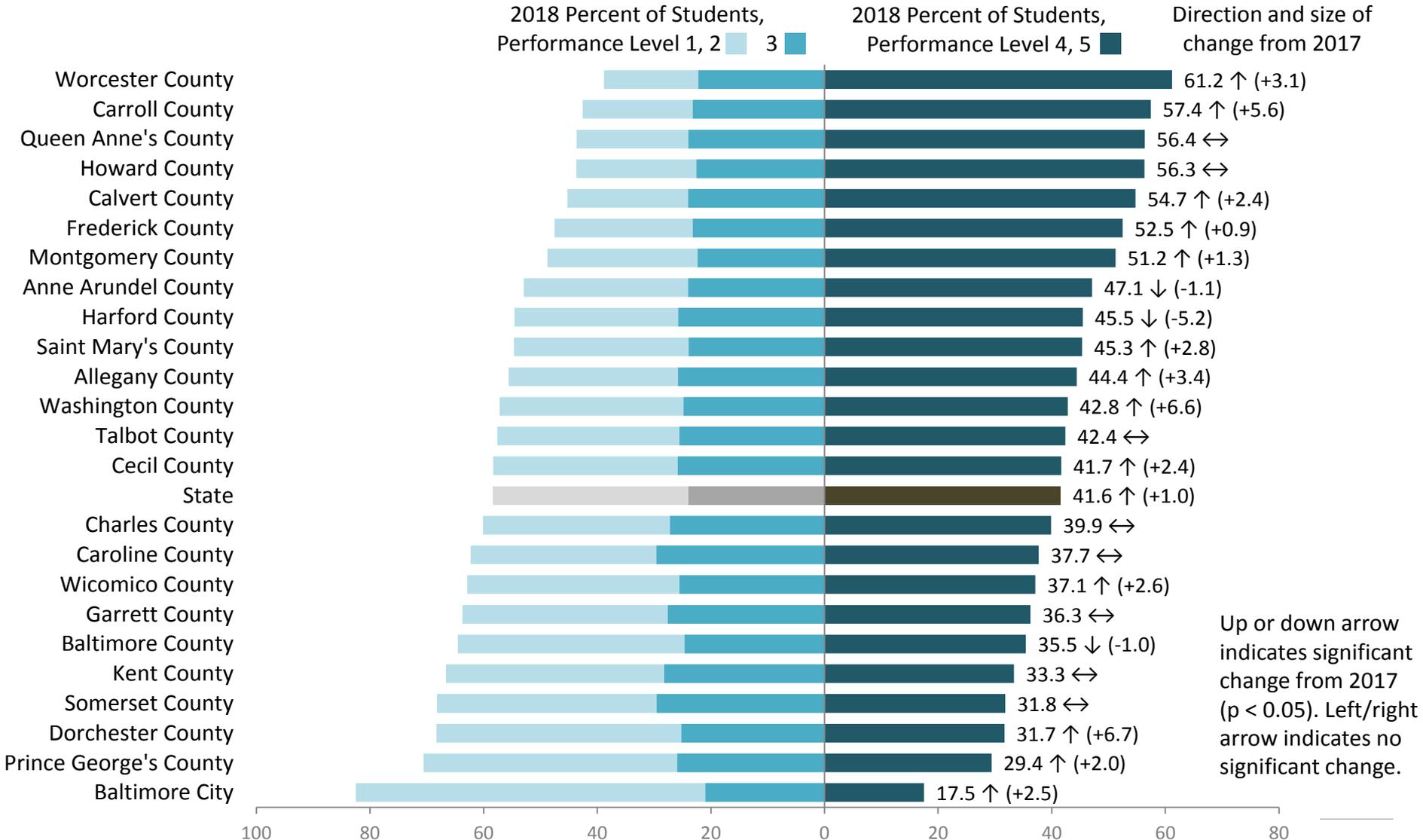


ELA10 Performance Levels by Count, 2018 First-Time and Repeat Tests



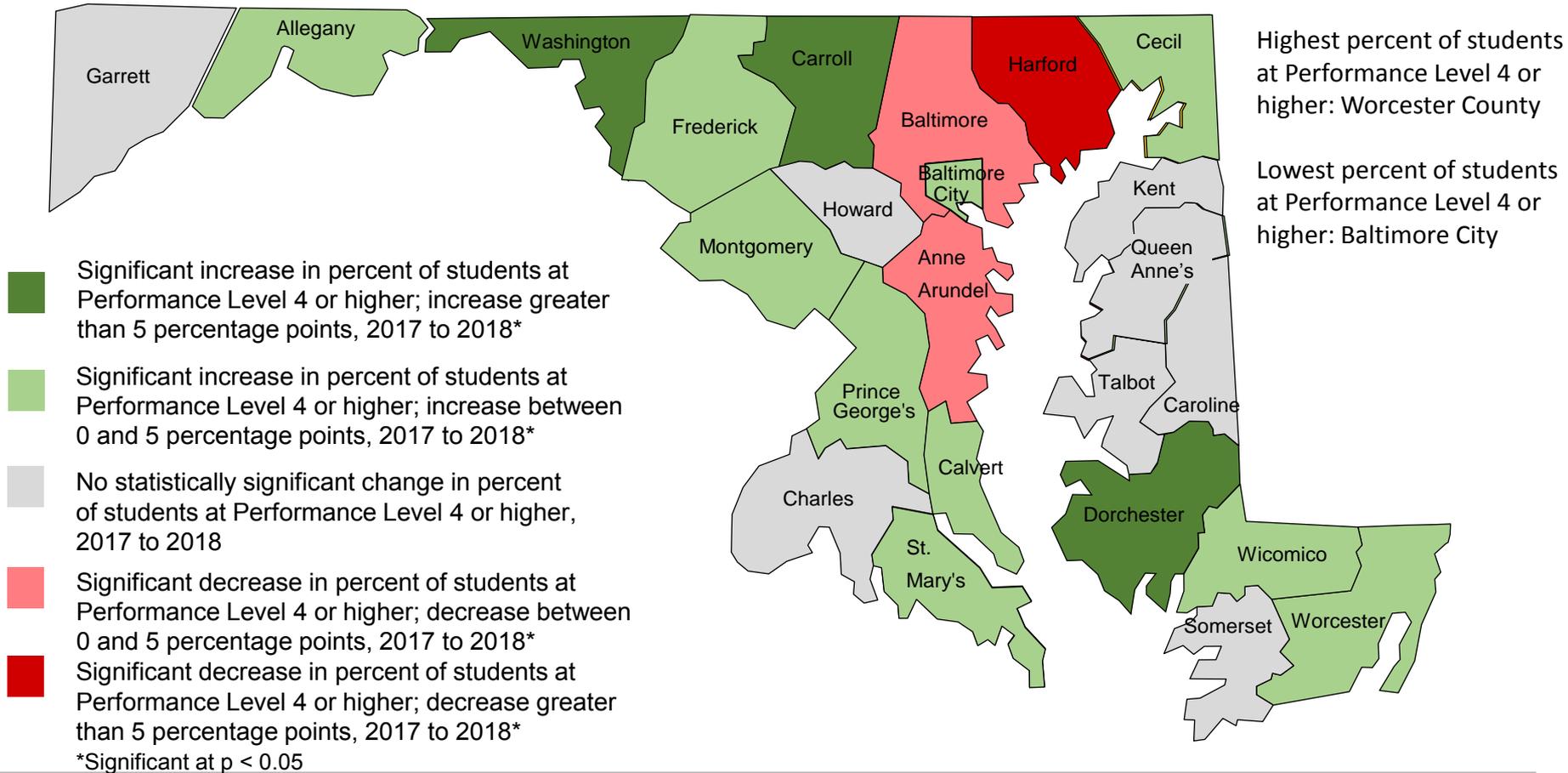
PERFORMANCE LEVEL	1	2	3	4	5
2018, first time	11,536	7,951	11,539	21,202	12,165
2018, repeat	7,723	4,343	2,661	728	16

2018 Percent of Students Performance Level 4 or Higher, and change from previous year, by LEA ELA 3-8

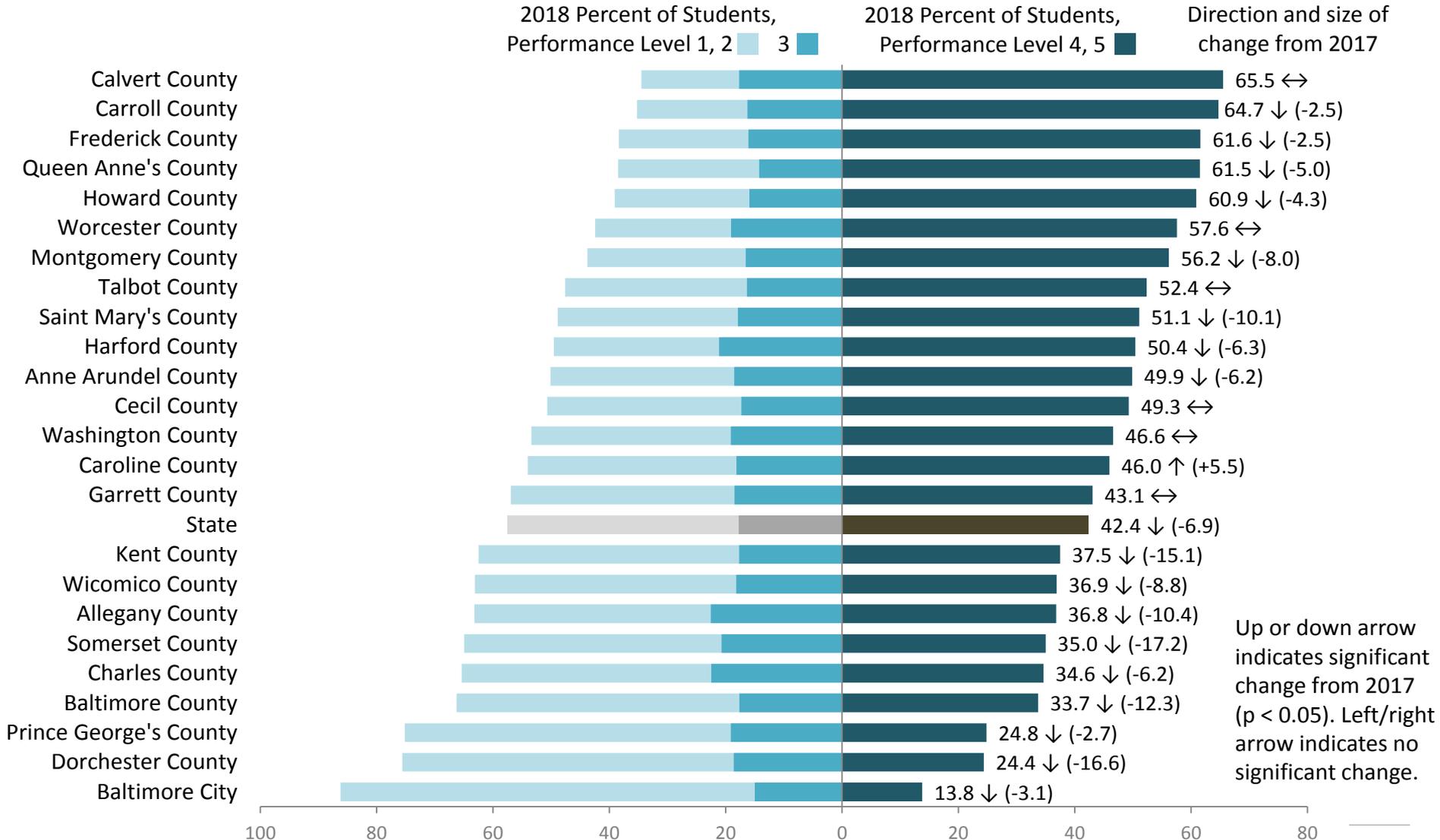


Up or down arrow indicates significant change from 2017 ($p < 0.05$). Left/right arrow indicates no significant change.

Change in Percent of Students at Performance Level 4 or Higher, 2017 to 2018, ELA 3-8

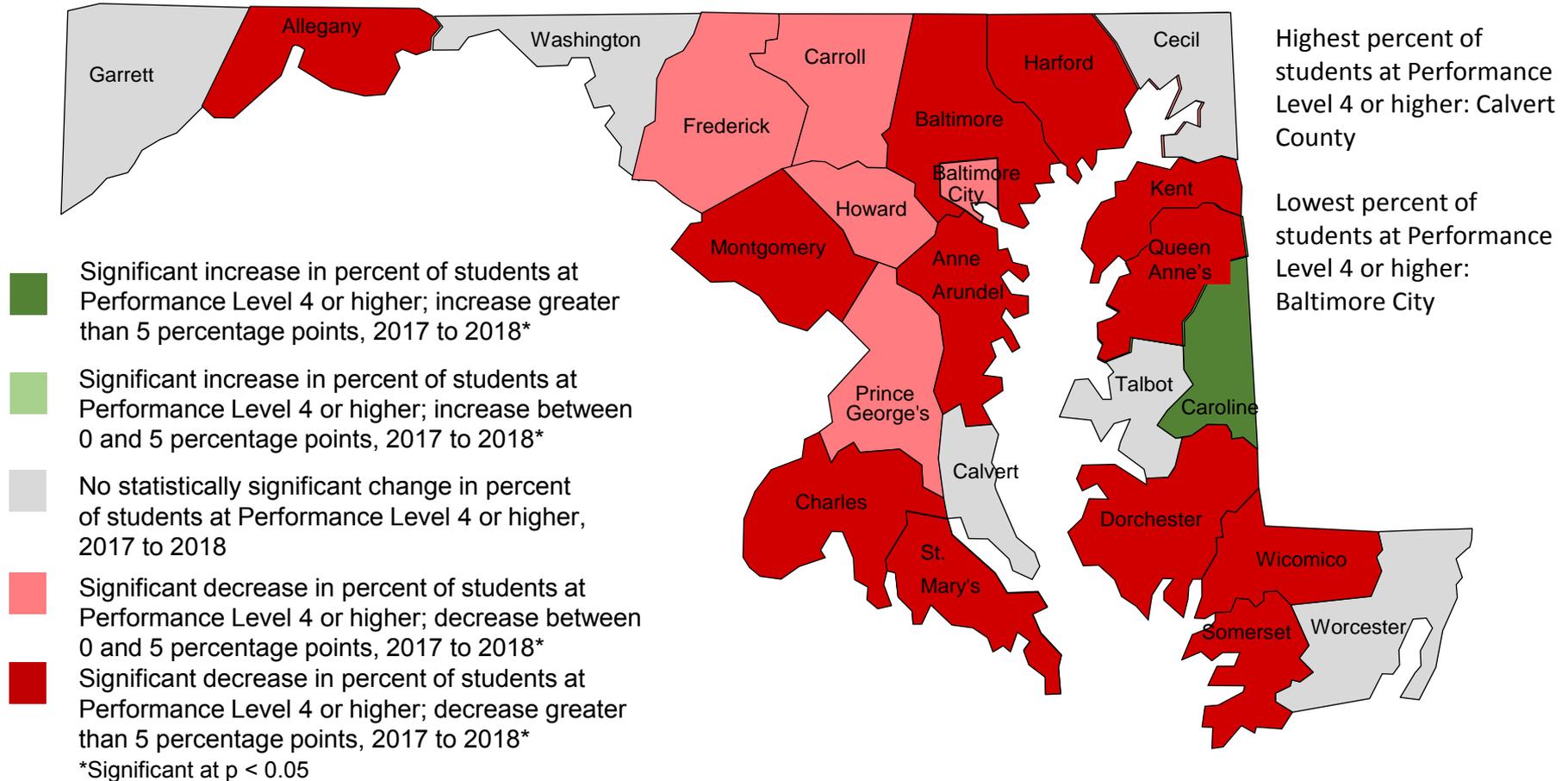


2018 Percent of Students Performance Level 4 or Higher, and change from previous year, by LEA ELA 10



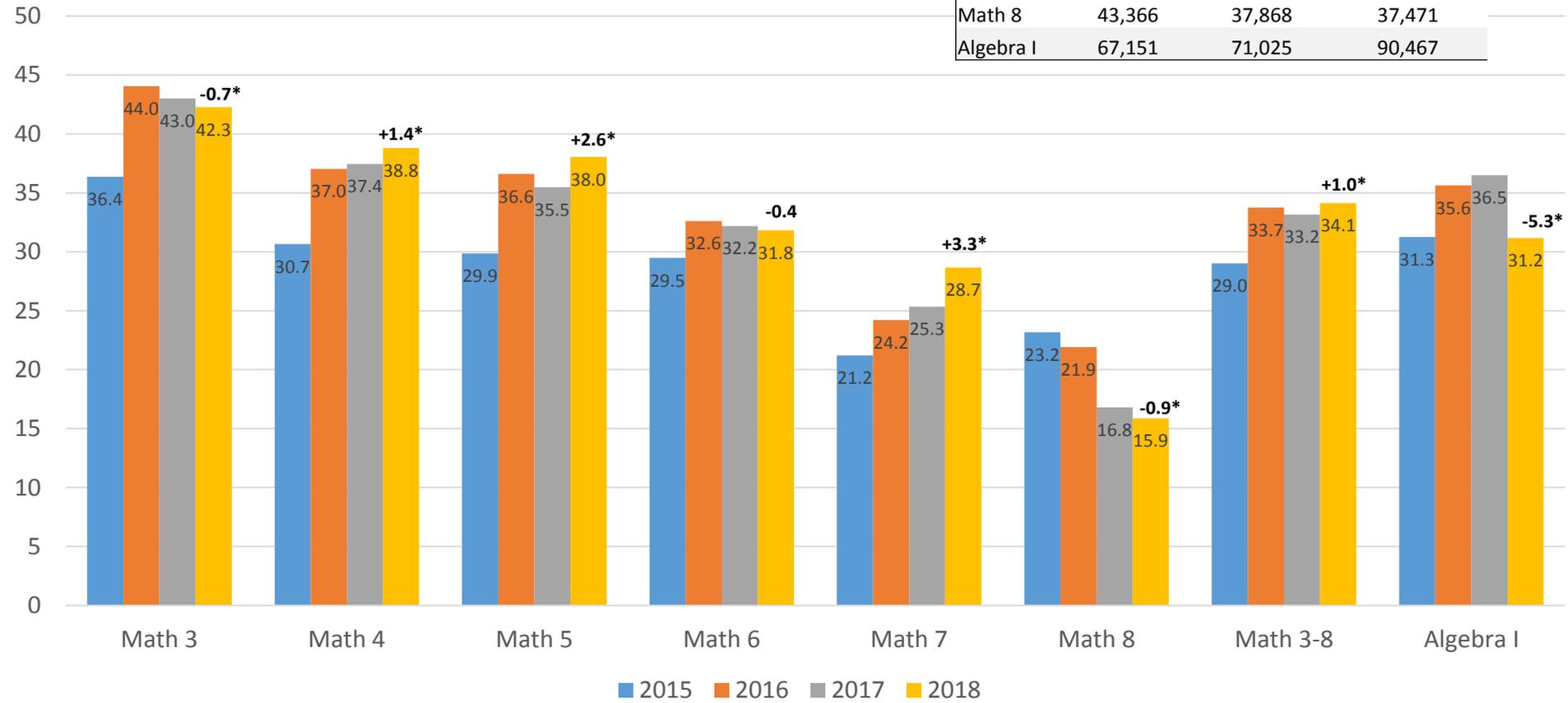
Up or down arrow indicates significant change from 2017 (p < 0.05). Left/right arrow indicates no significant change.

Change in Percent of Students at Performance Level 4 or Higher, 2017 to 2018, ELA 10



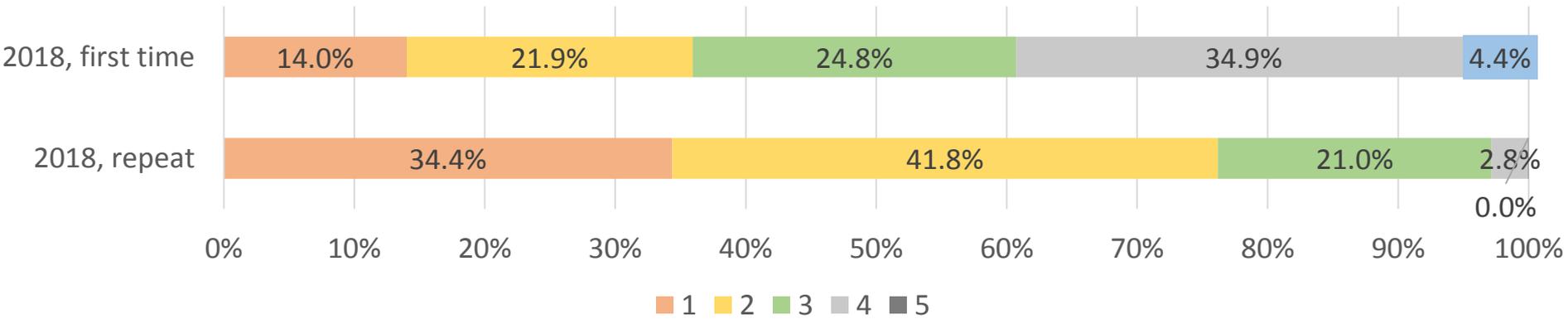
Math: Performance Level 4 or Higher by Exam, 2015-2018

	Tested Count 2016	Tested Count 2017	Tested Count 2018
Math 3-8	358,435	362,630	366,791
Math 3	67,892	69,107	67,894
Math 4	66,022	68,355	69,613
Math 5	64,423	66,413	68,837
Math 6	63,022	63,697	65,677
Math 7	53,710	57,190	57,299
Math 8	43,366	37,868	37,471
Algebra I	67,151	71,025	90,467

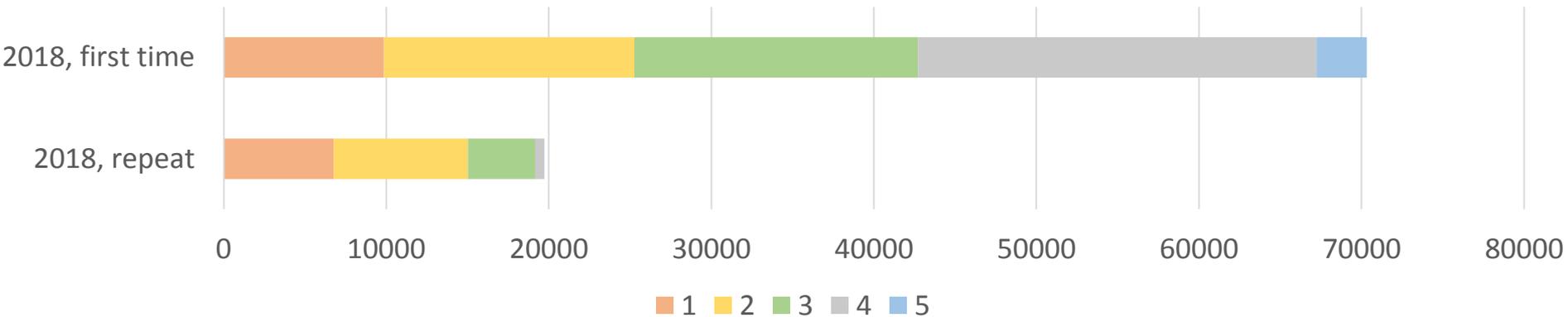


2018 ALG01 Exams, First-Time and Repeat Tests

ALG01 Performance Levels by Rate, 2018 First-Time and Repeat Tests

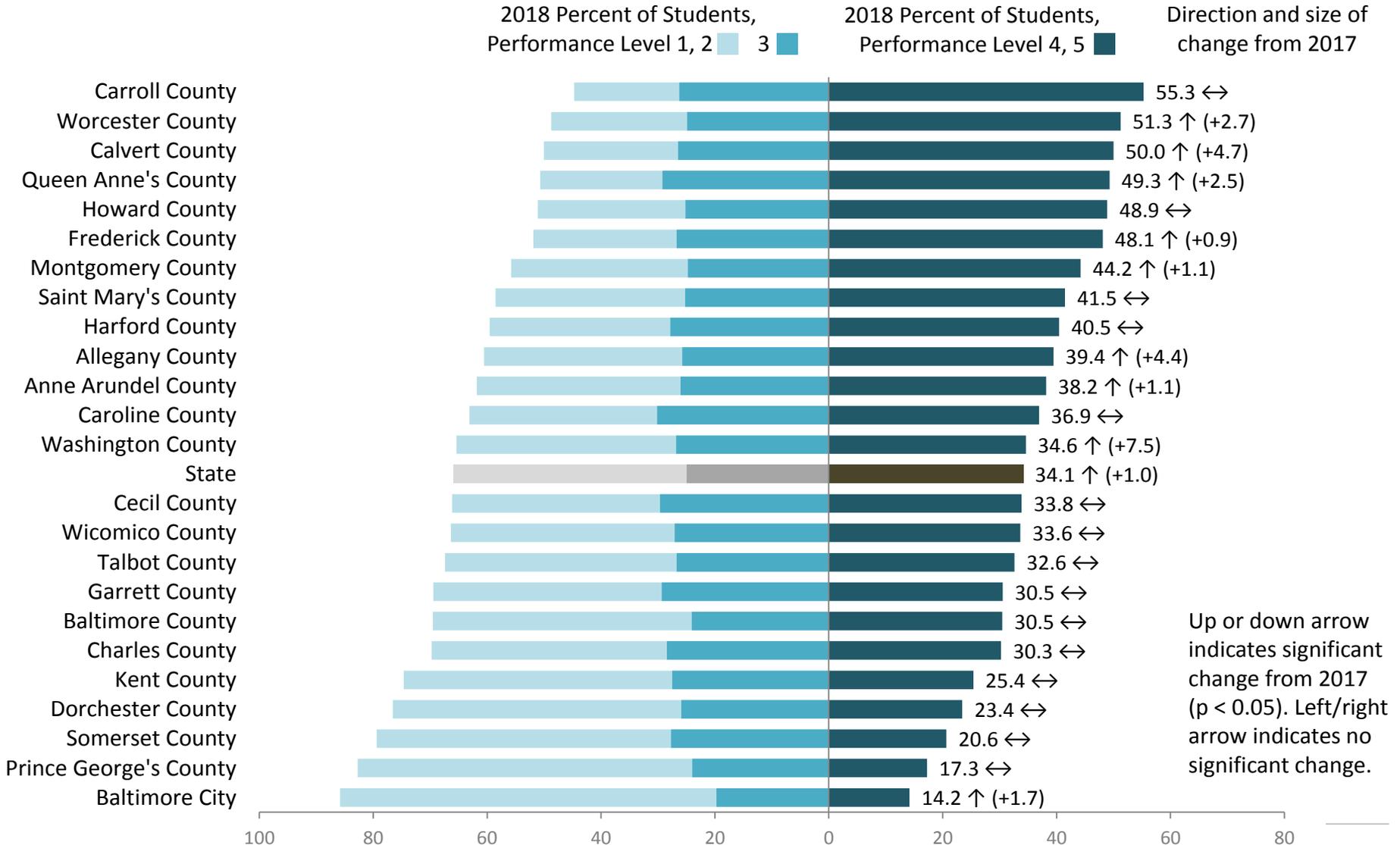


ALG01 Performance Levels by Count, 2018 First-Time and Repeat Tests

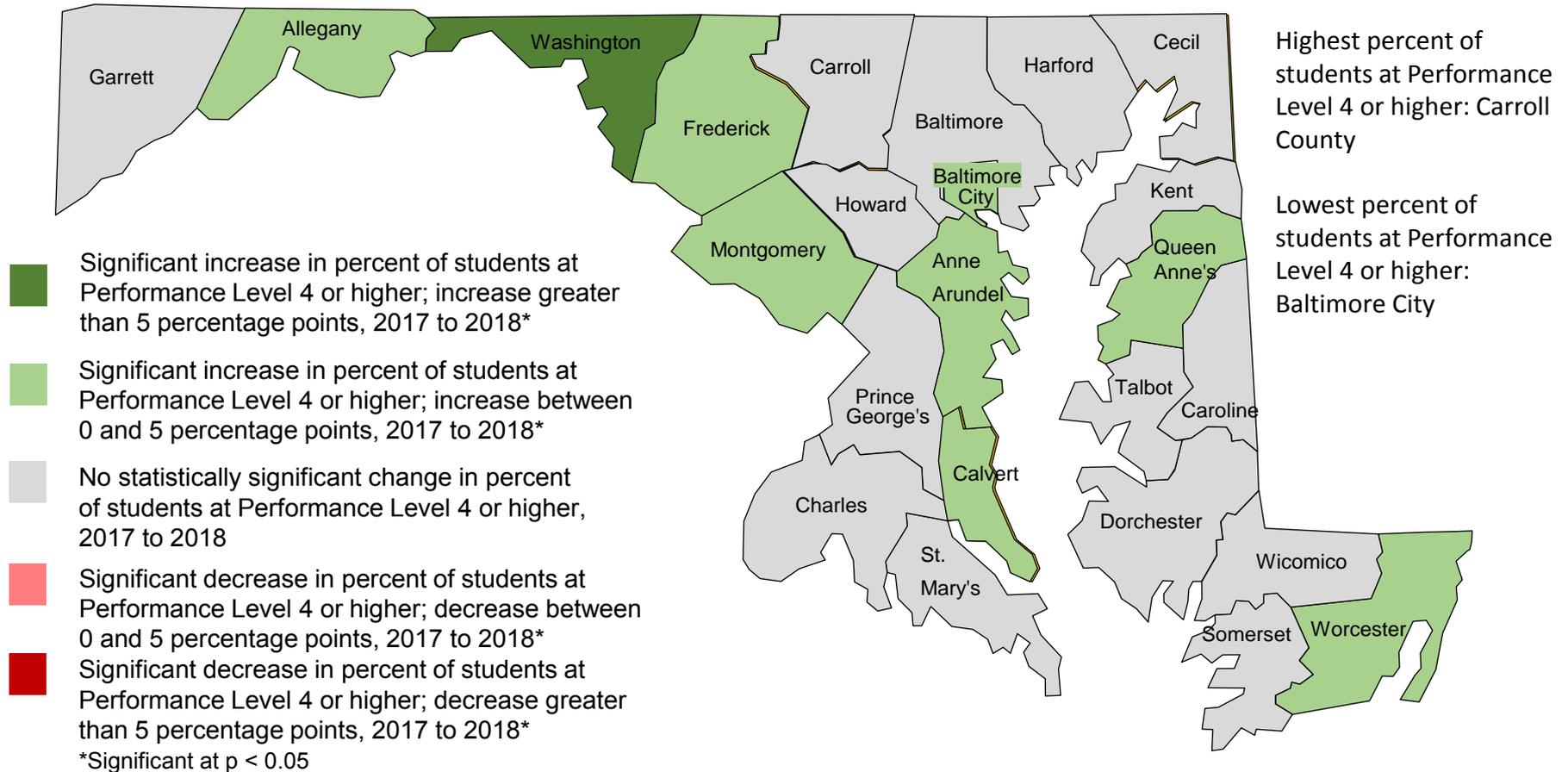


PERFORMANCE LEVEL	1	2	3	4	5
2018, first time	9,859	15,409	17,442	24,518	3,092
2018, repeat	6,775	8,249	4,132	554	N < 10

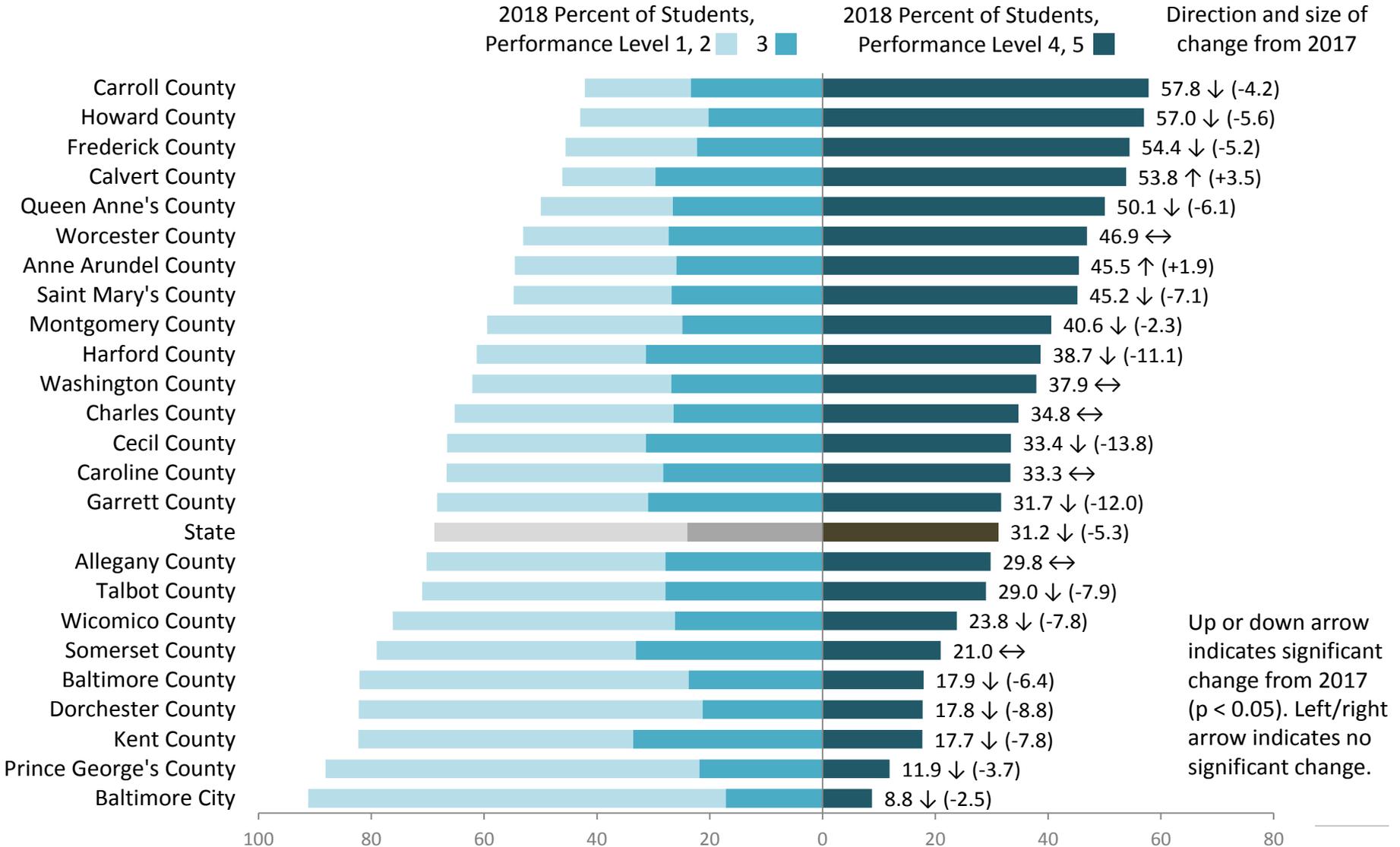
2018 Percent of Students Performance Level 4 or Higher, and change from previous year, by LEA MAT 3-8



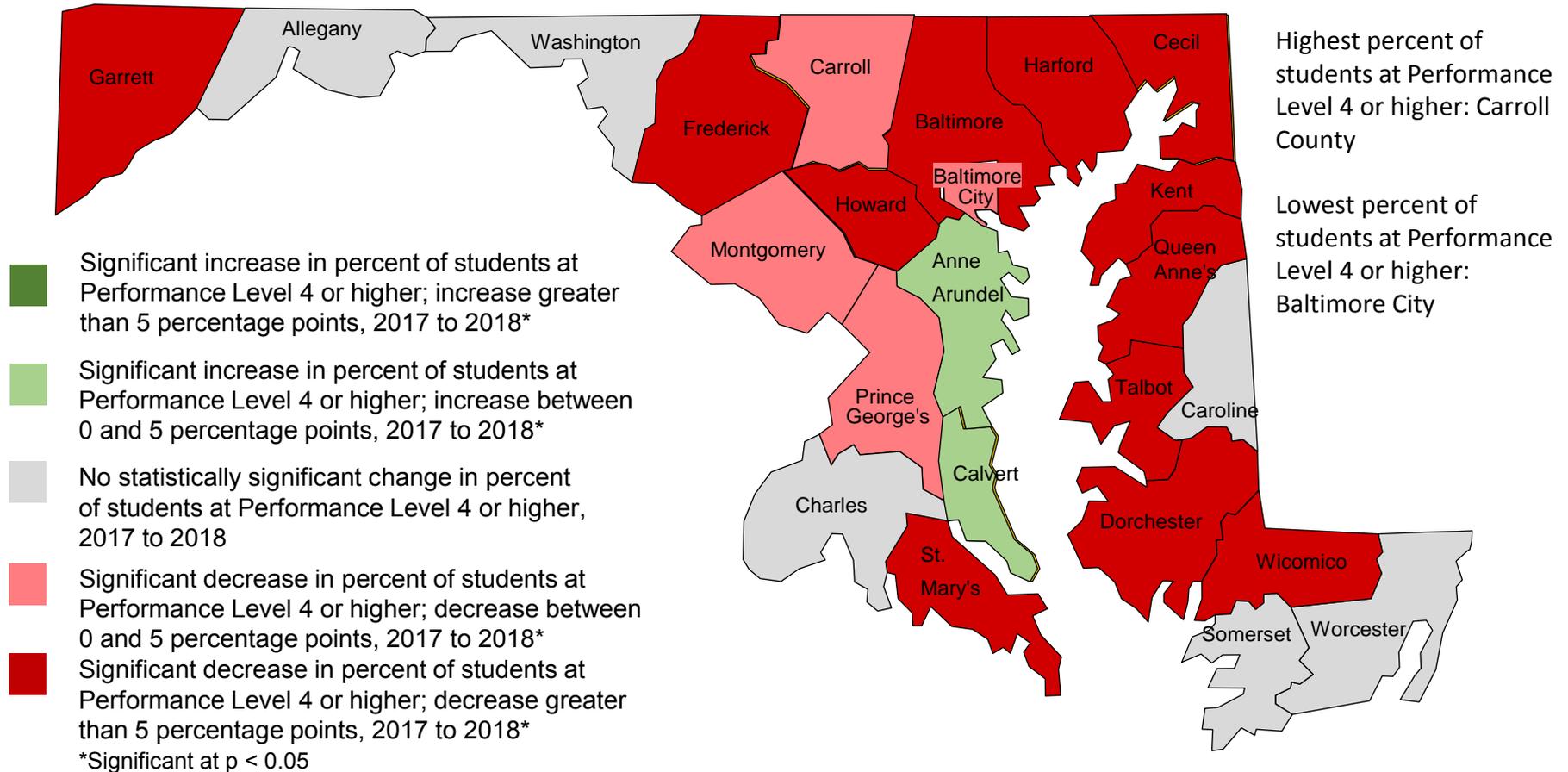
Change in Percent of Students at Performance Level 4 or Higher, 2017 to 2018, MAT 3-8



2018 Percent of Students Performance Level 4 or Higher, and change from previous year, by LEA Algebra 1

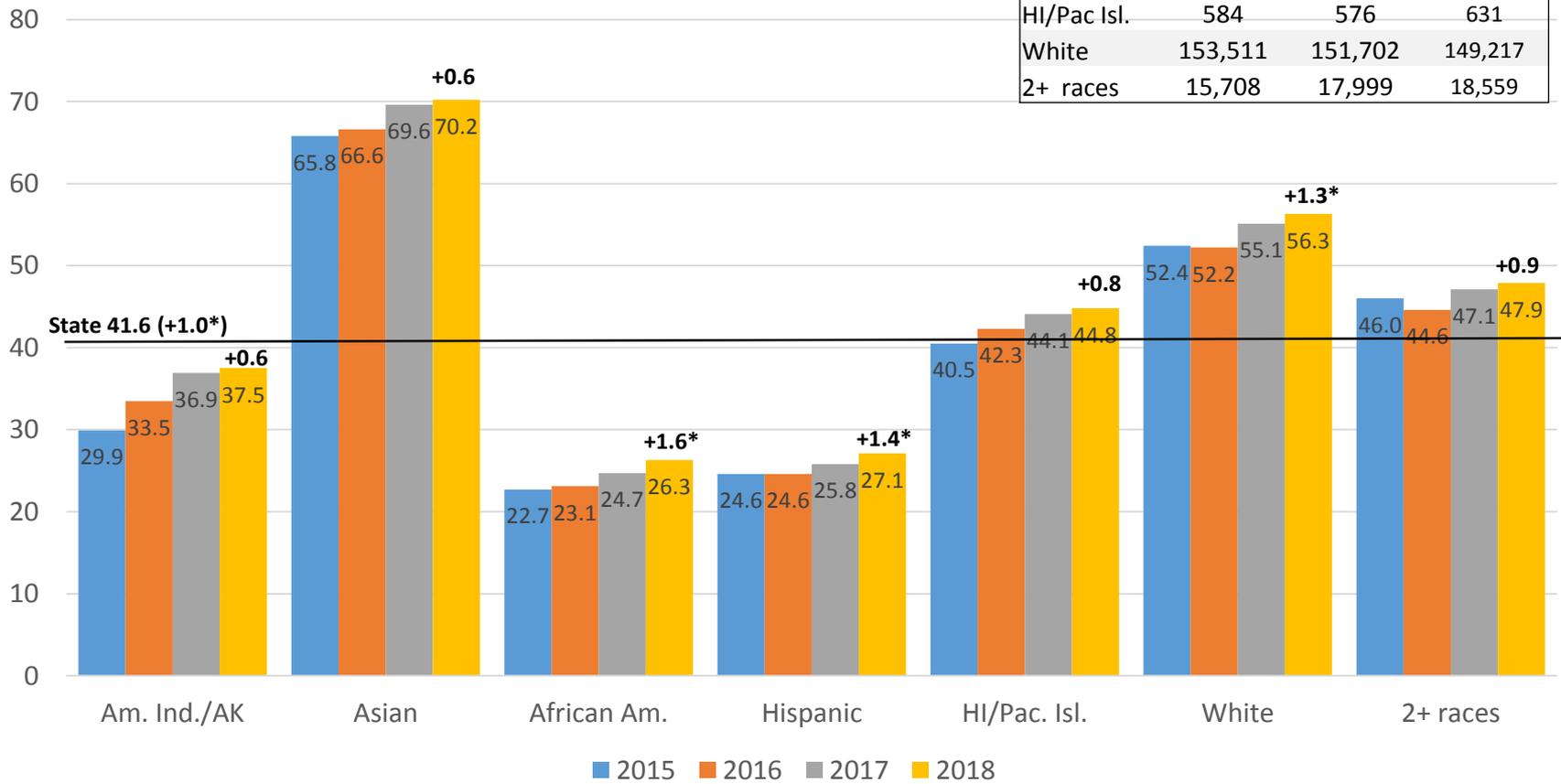


Change in Percent of Students at Performance Level 4 or Higher, 2017 to 2018, Algebra 1



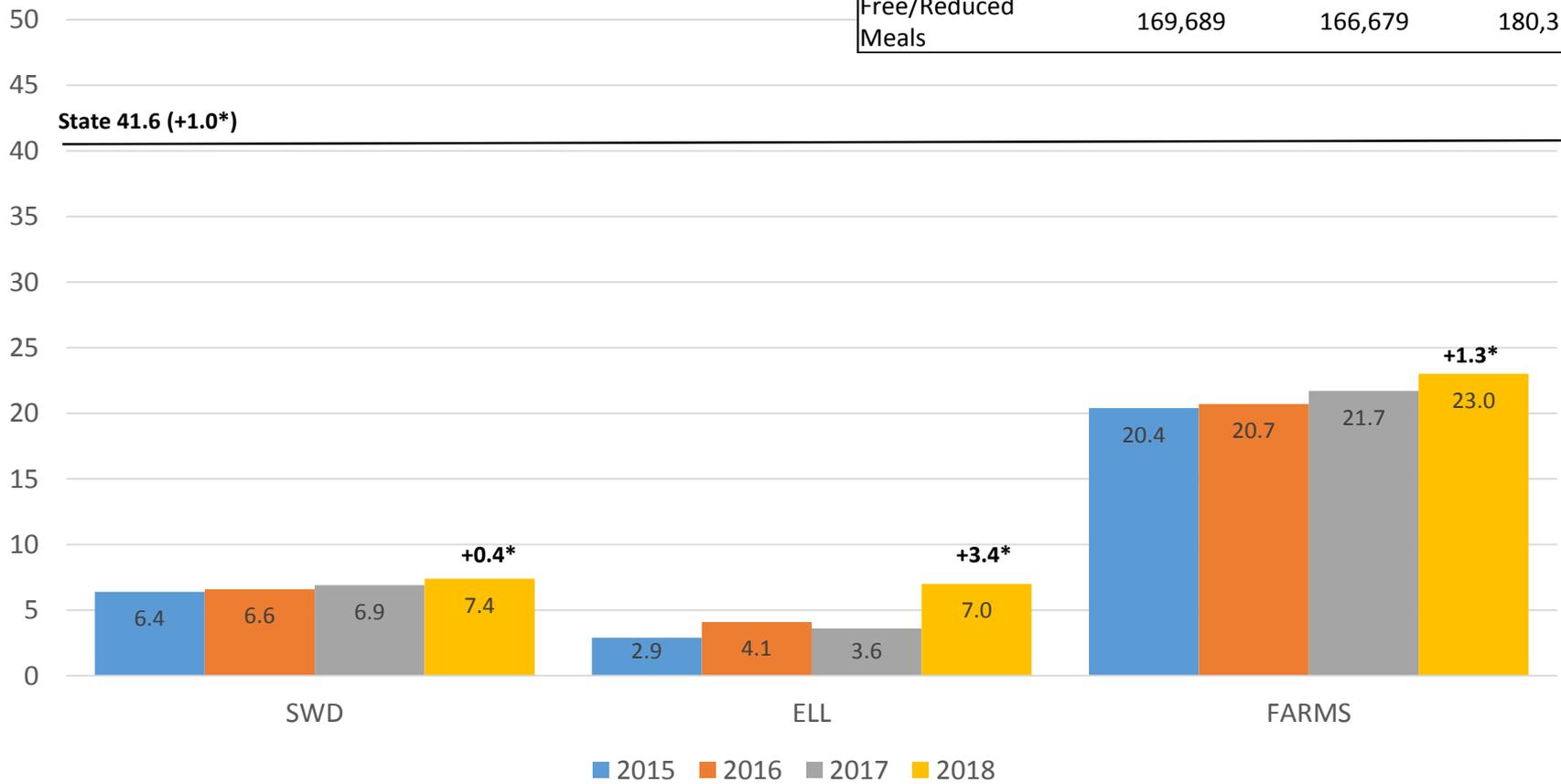
English Language Arts 3-8: Performance Level 4 or Higher by Race/Ethnicity, 2015-2018

	Tested Count 2016	Tested Count 2017	Tested Count 2018
AM. Ind/AK	1,167	1,100	1,088
Asian	25,554	25,550	26,178
African Am.	130,679	132,700	134,904
Hispanic	58,620	63,496	69,286
HI/Pac Isl.	584	576	631
White	153,511	151,702	149,217
2+ races	15,708	17,999	18,559

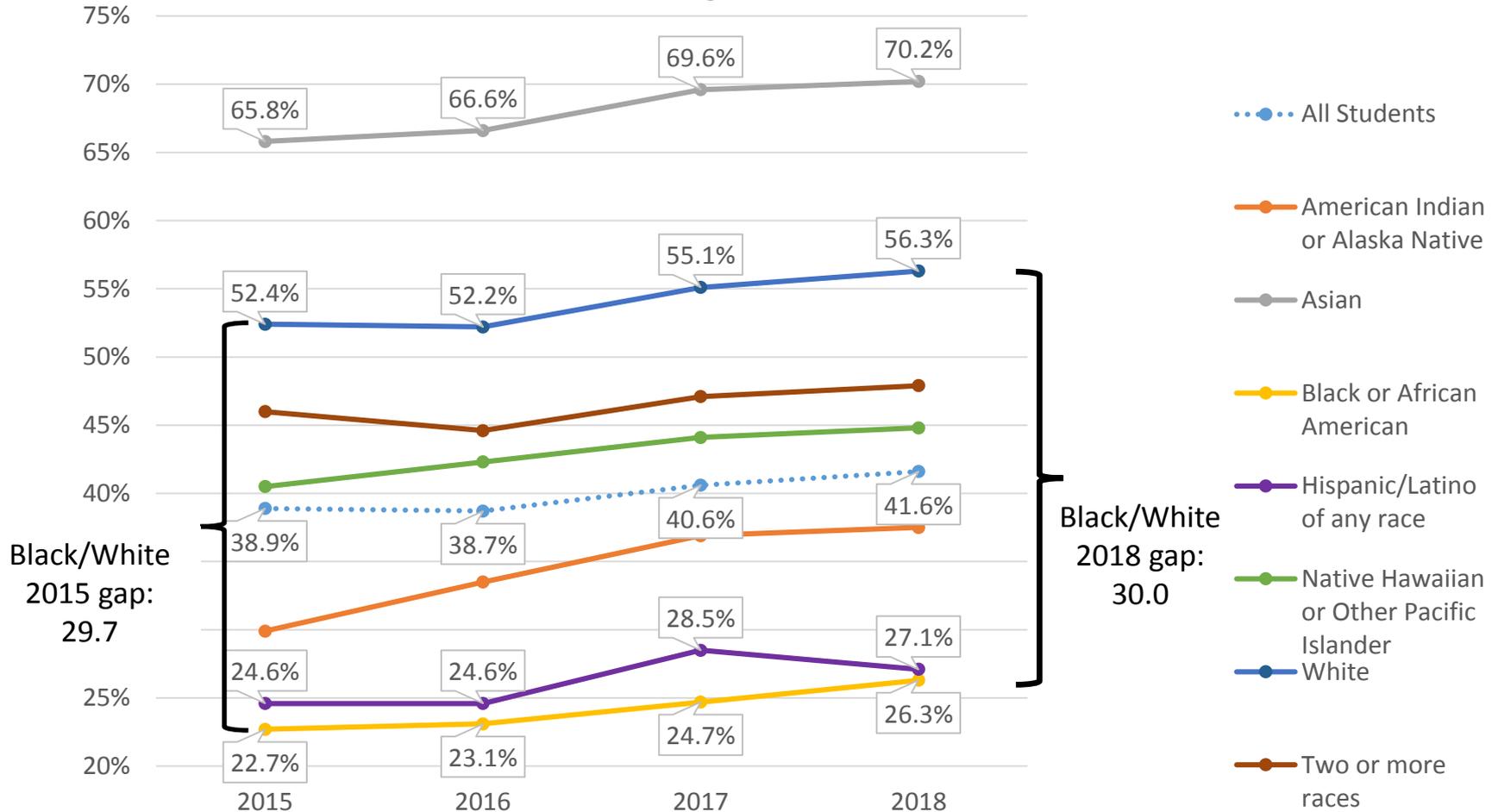


English Language Arts 3-8: Performance Level 4 or Higher by Service Group, 2015-2018

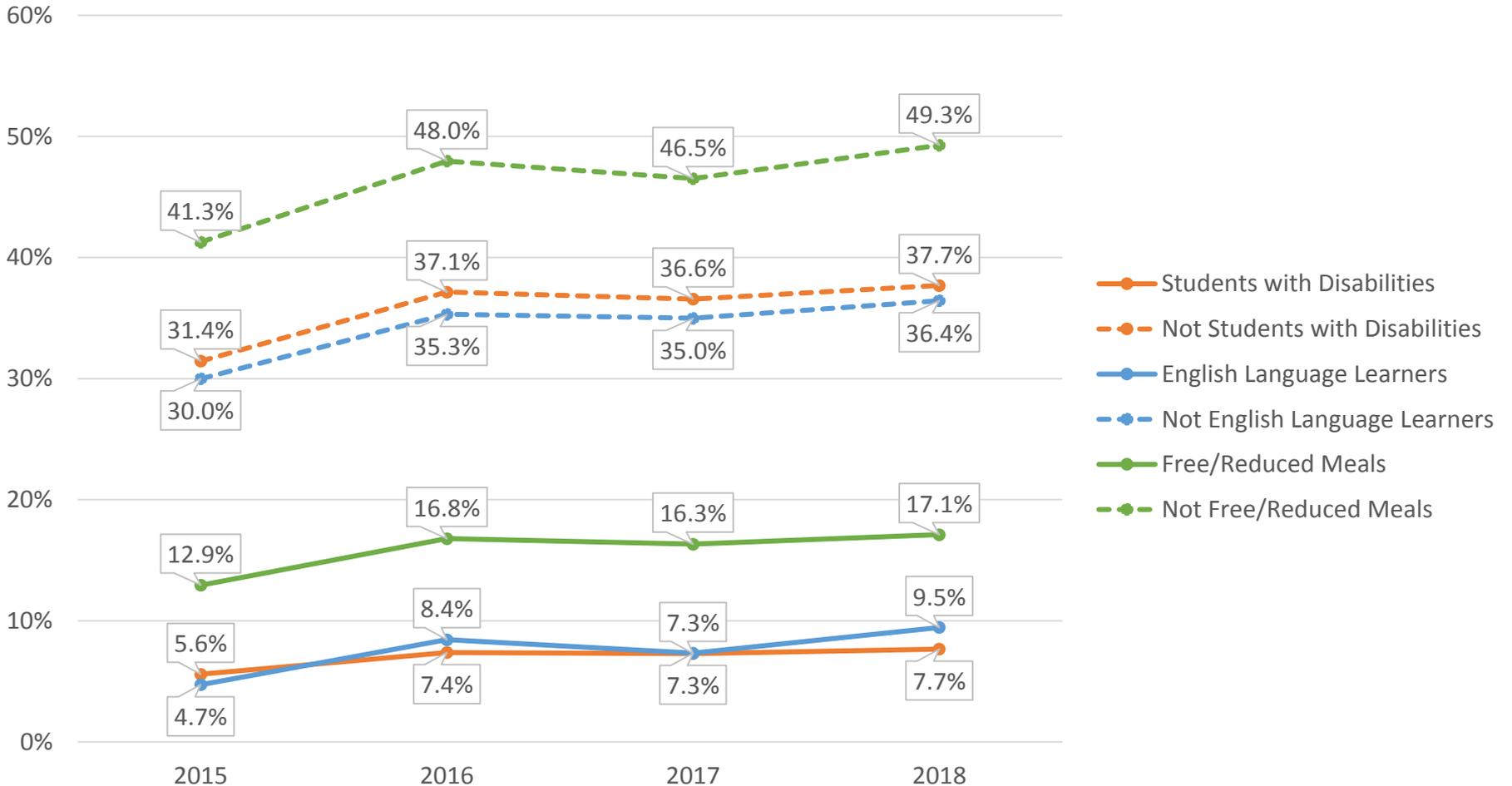
Student Group	Tested Count 2016	Tested Count 2017	Tested Count 2018
Students with Disabilities	41,523	42,975	44,574
English Language Learners	20,331	22,828	30,975
Free/Reduced Meals	169,689	166,679	180,328



Percent of Students at Performance Level 4 or Higher by Race/Ethnicity, 2015-2018, ELA 3-8

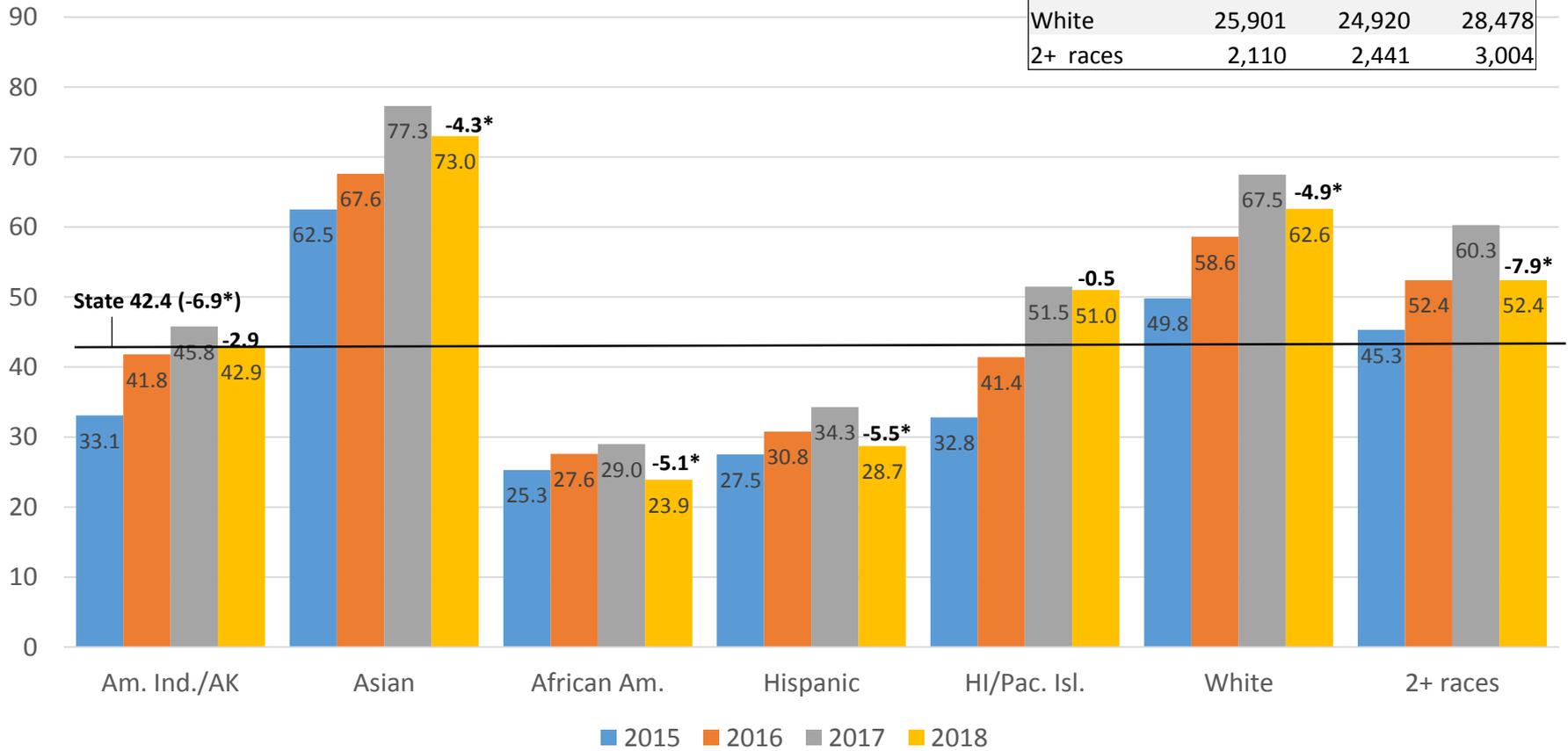


Percent of Students at Performance Level 4 or Higher by Service Group, 2015-2018, ELA 3-8



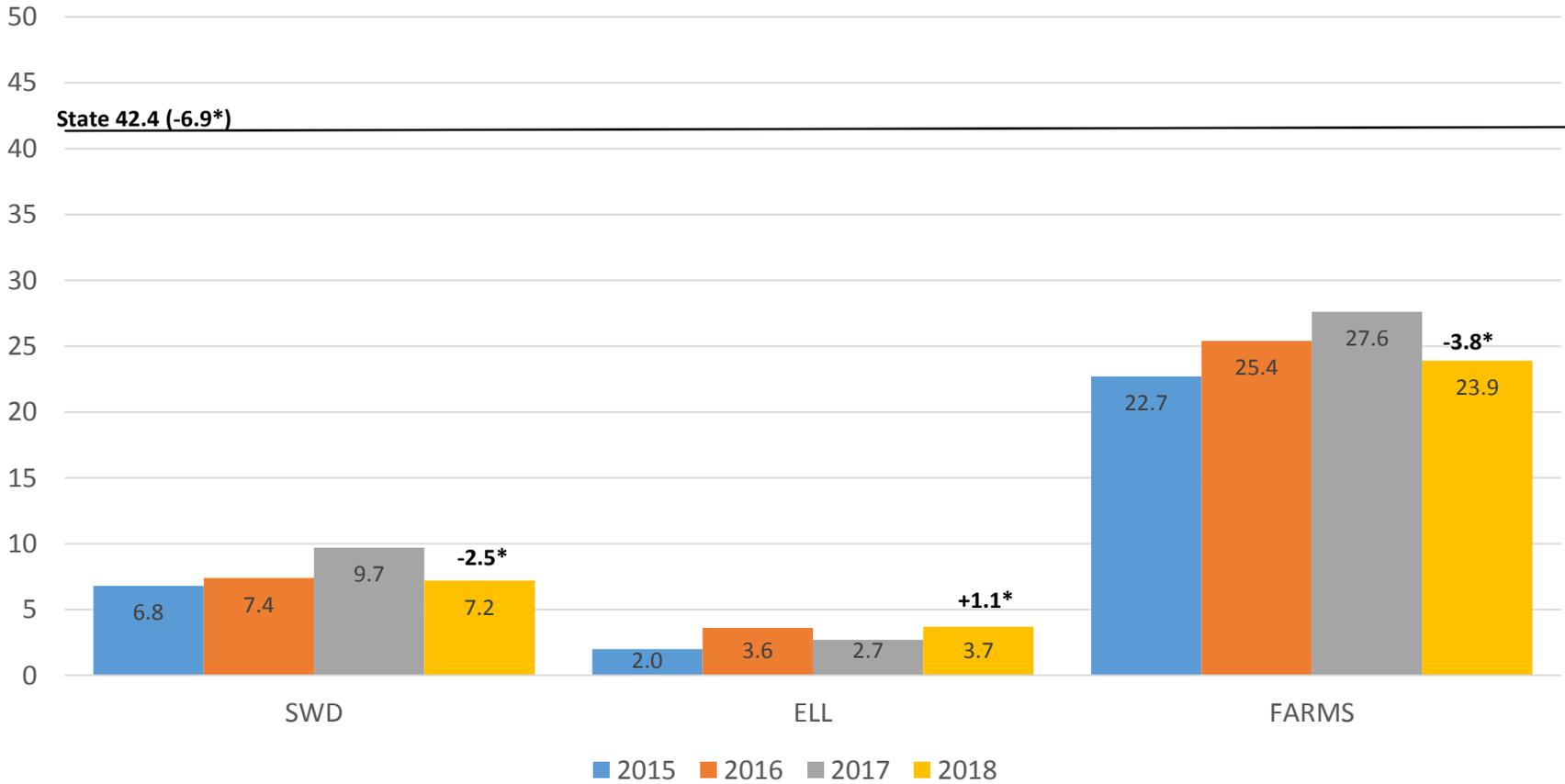
English Language Arts 10: Performance Level 4 or Higher by Race/Ethnicity, 2015-2018

	Tested Count 2016	Tested Count 2017	Tested Count 2018
AM. Ind/AK	189	153	203
Asian	4,382	4,247	4,756
African Am.	21,827	22,470	30,653
Hispanic	8,609	9,415	13,290
HI/Pac Isl.	87	66	100
White	25,901	24,920	28,478
2+ races	2,110	2,441	3,004

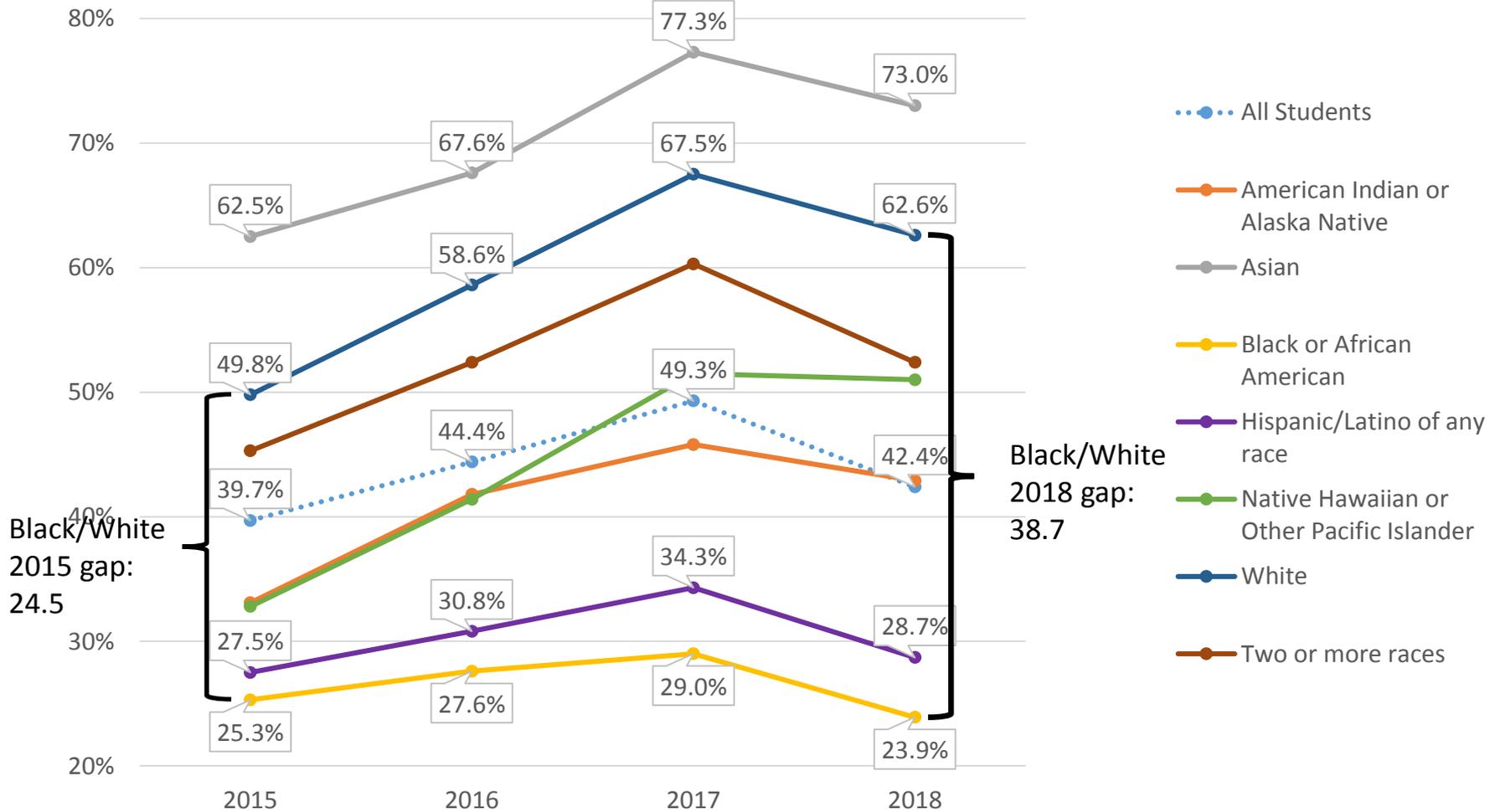


English Language Arts 10: Performance Level 4 or Higher by Service Group, 2015-2018

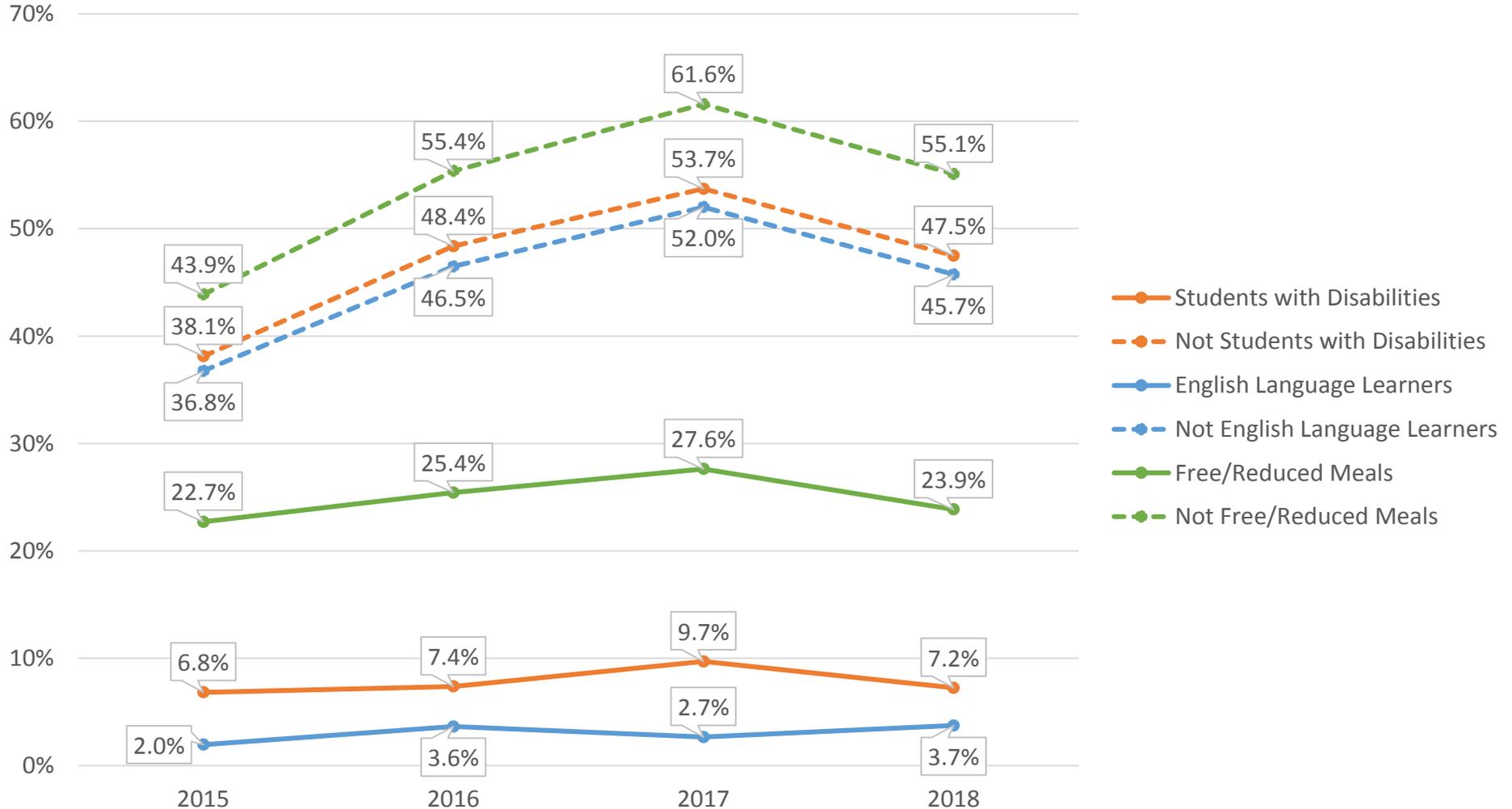
Student Group	Tested Count 2016	Tested Count 2017	Tested Count 2018
Students with Disabilities	6,097	6,353	10,125
English Language Learners	3,050	3,463	6,358
Free/Reduced Meals	23,085	22,998	32,650



Percent of students at Performance Level 4 or Higher by Race/Ethnicity, 2015-2018, ELA 10

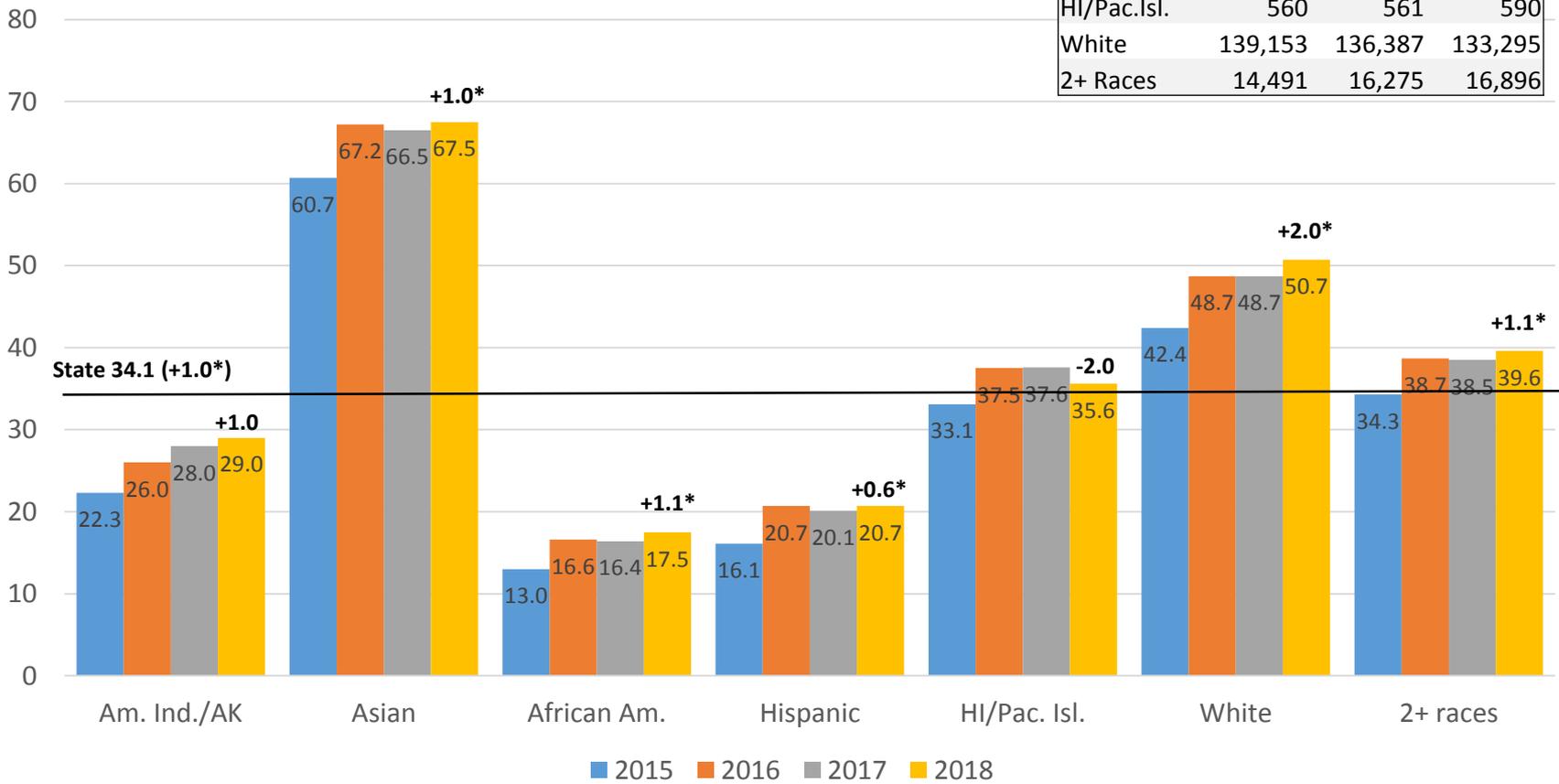


Percent of Students at Performance Level 4 or Higher by Service Group, 2015-2018, ELA 10



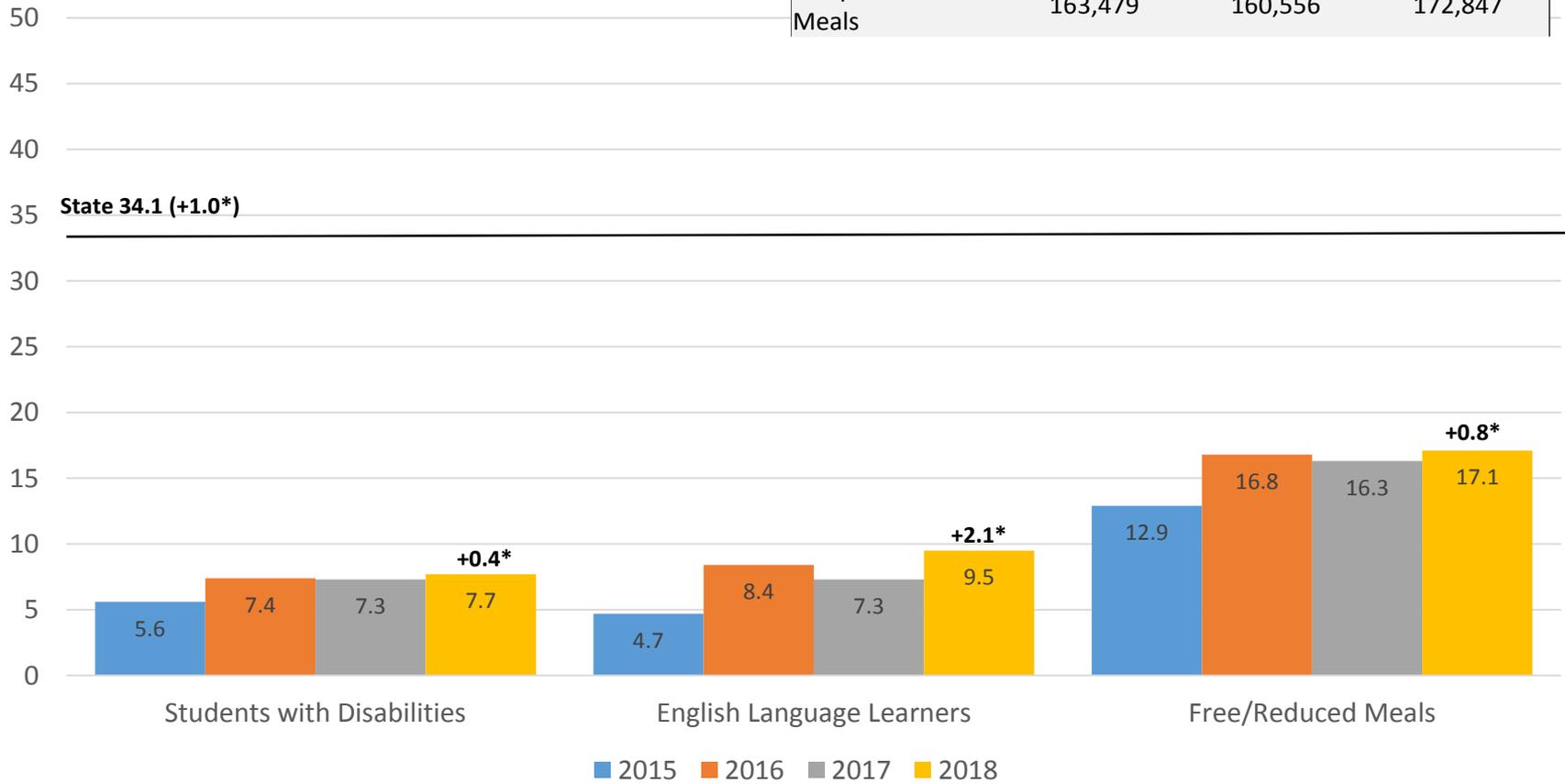
Math 3-8: Performance Level 4 or Higher by Race/Ethnicity, 2015-2018

	Tested Count 2016	Tested Count 2017	Tested Count 2018
AM.Ind/AK	1,092	1,054	1,037
Asian	22,037	21,146	21,293
African Am.	124,762	126,405	128,252
Hispanic	56,340	60,802	65,428
HI/Pac.Isl.	560	561	590
White	139,153	136,387	133,295
2+ Races	14,491	16,275	16,896

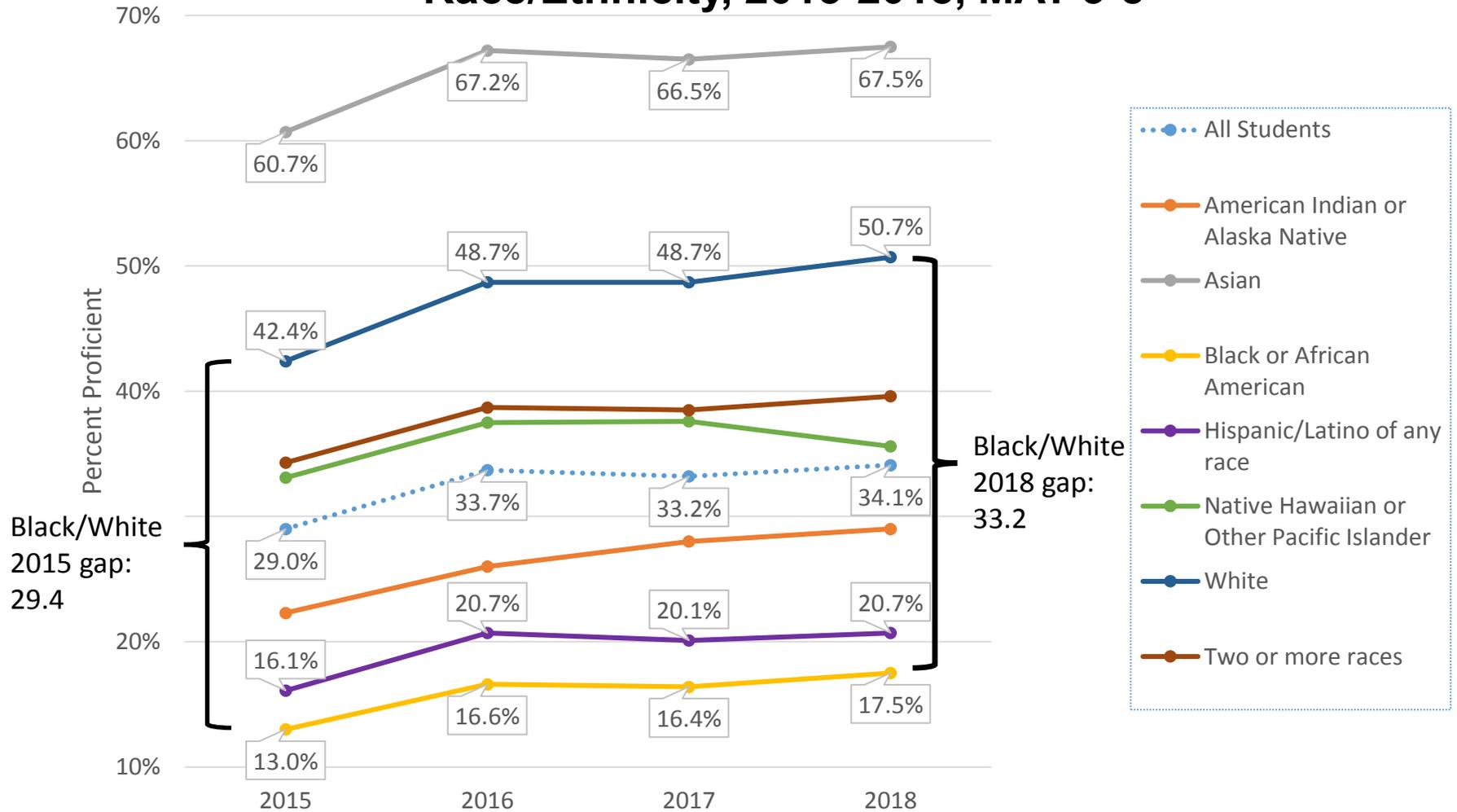


Math 3-8: Performance Level 4 or Higher by Service Group, 2015-2018

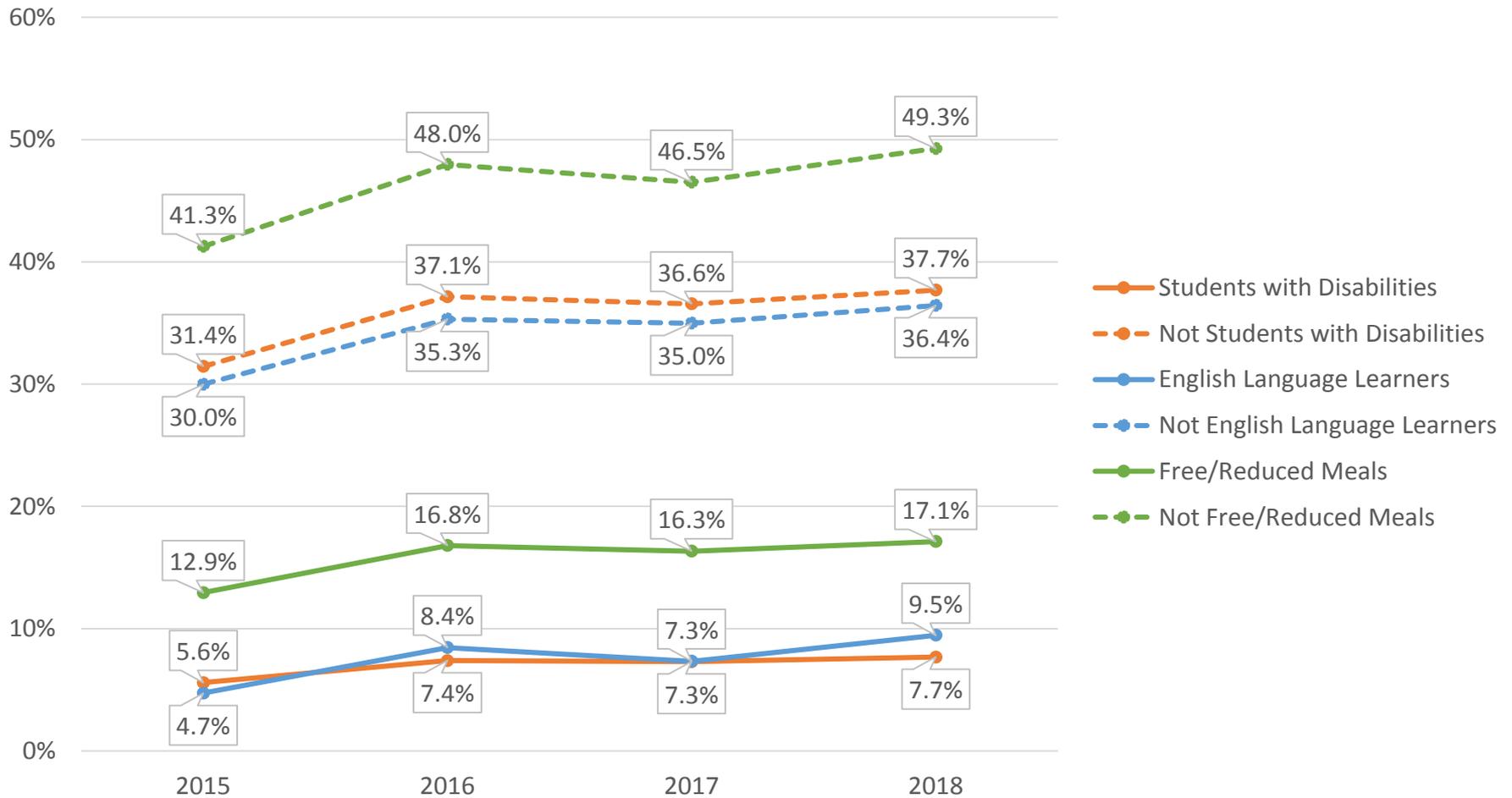
	Tested Count 2016	Tested Count 2017	Tested Count 2018
Students with Disabilities	40,902	42,281	43,566
English Language Learners	20,867	24,039	31,413
Free/Reduced Meals	163,479	160,556	172,847



Percent of students at Performance Level 4 or Higher by Race/Ethnicity, 2015-2018, MAT 3-8

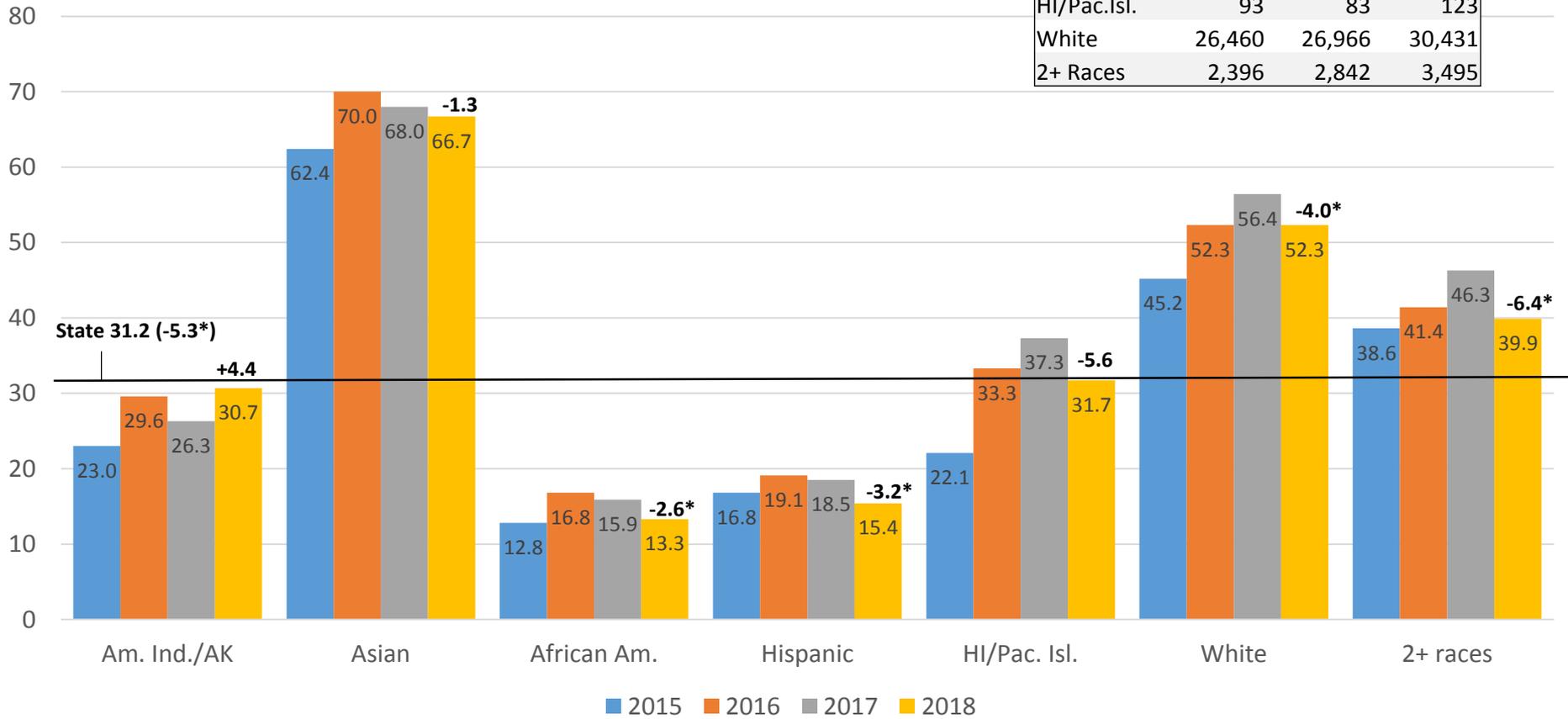


Percent of Students at Performance Level 4 or Higher by Service Group, 2015-2018, MAT 3-8



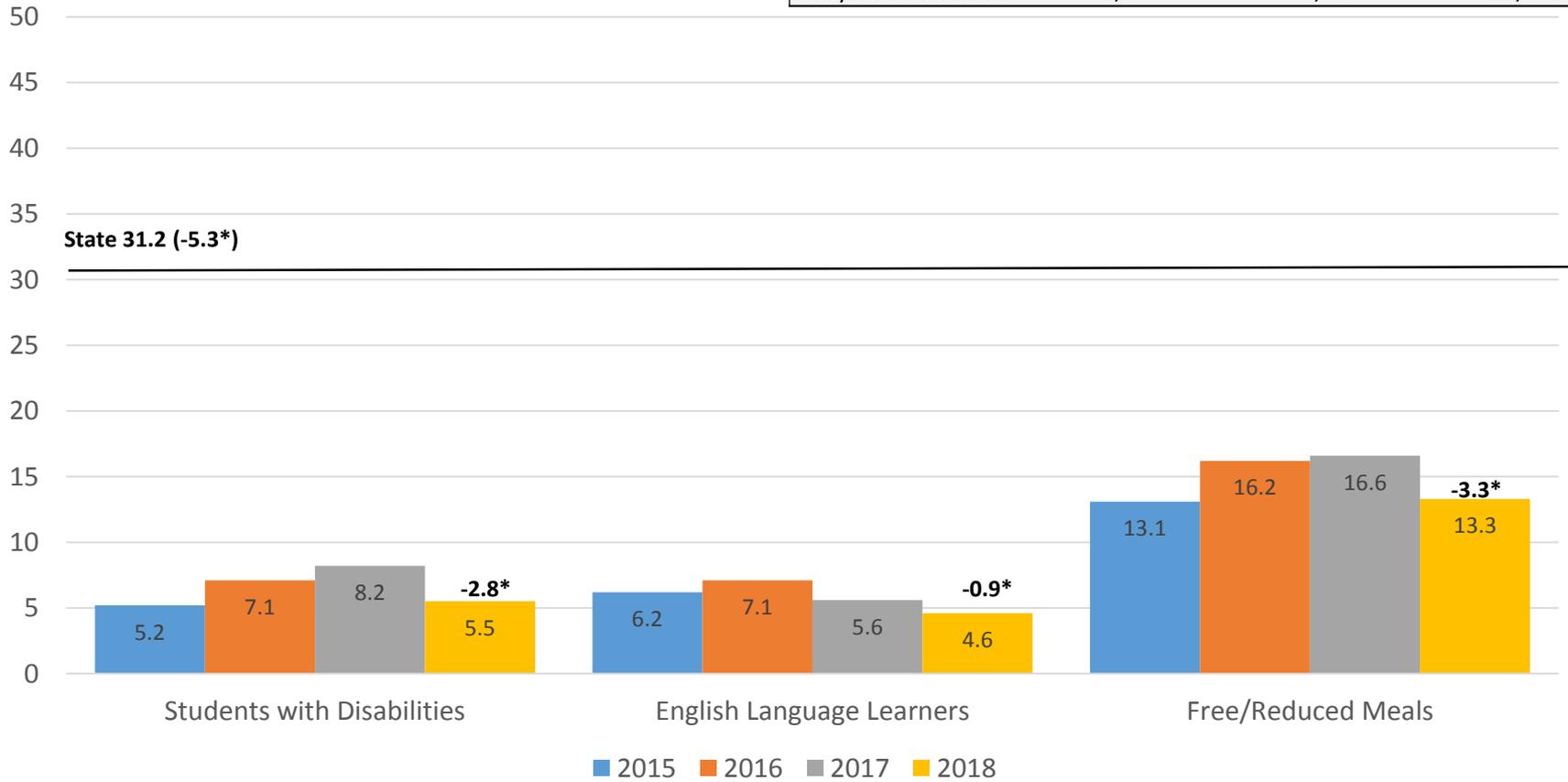
Algebra I: Performance Level 4 or Higher by Race/Ethnicity, 2015-2018

	Tested Count 2016	Tested Count 2017	Tested Count 2018
AM.Ind/AK	206	179	202
Asian	4,498	4,787	5,516
African Am.	23,167	24,265	33,436
Hispanic	10,331	11,903	17,264
HI/Pac.Isl.	93	83	123
White	26,460	26,966	30,431
2+ Races	2,396	2,842	3,495

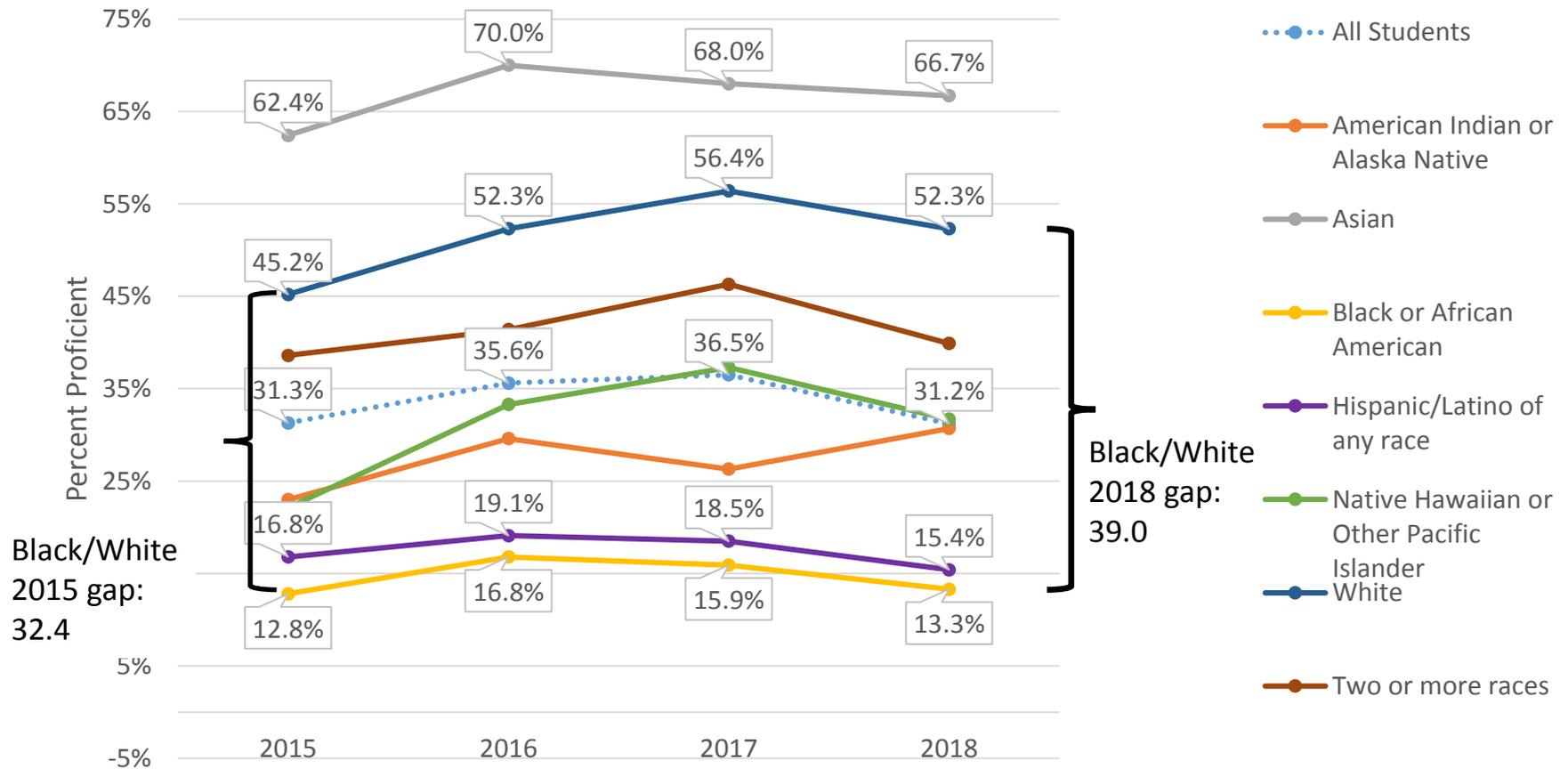


Algebra 1: Performance Level 4 or higher by Service Group, 2015-2018

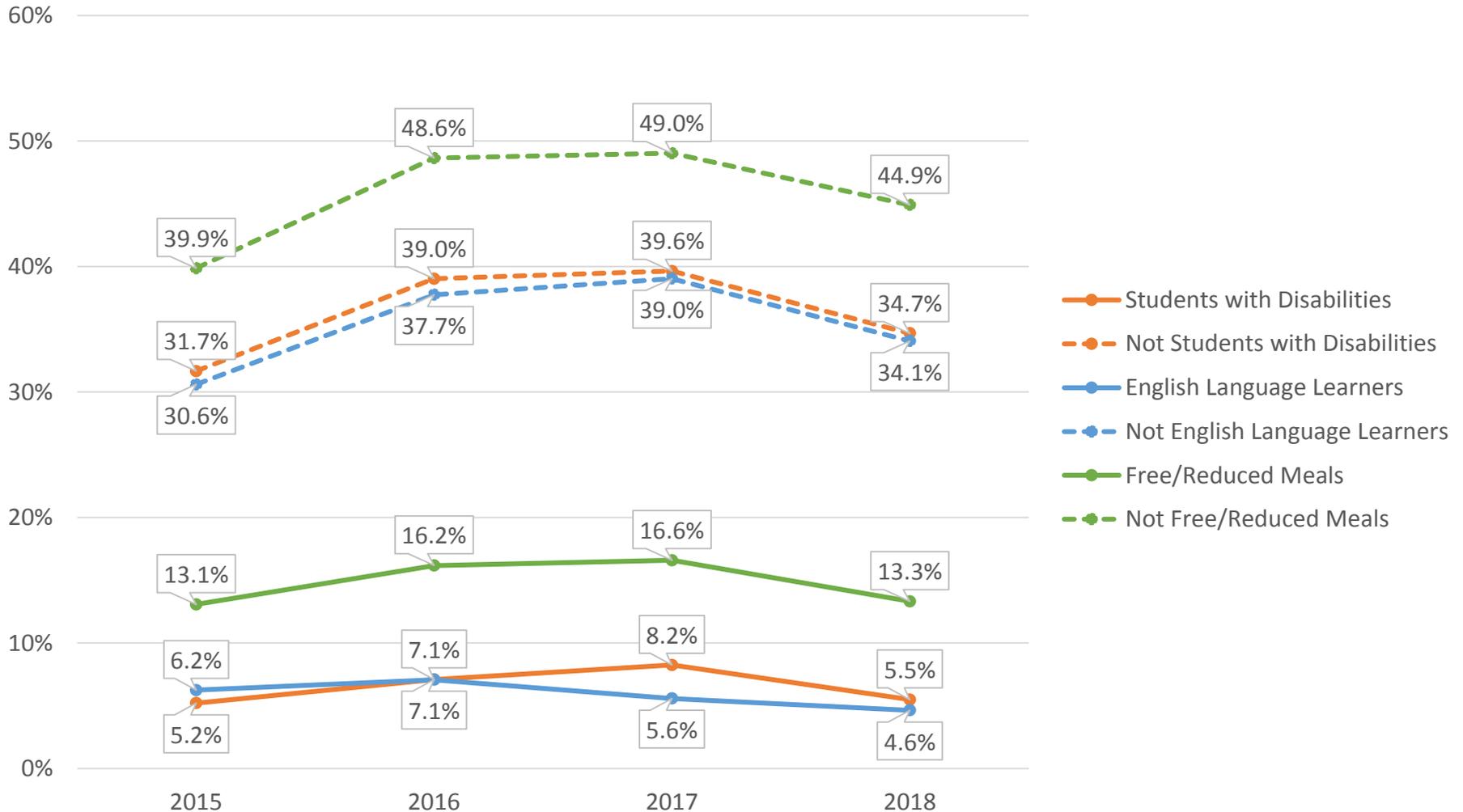
	Tested Count 2016	Tested Count 2017	Tested Count 2018
Students with Disabilities	7,159	7,142	10,914
English Language Learners	4,638	5,425	8,962
Free/Reduced Meals	26,912	27,467	39,379



Percent of students at Performance Level 4 or Higher by Race/Ethnicity, 2015-2018, Algebra 1



Percent of Students at Performance Level 4 or Higher by Service Group, 2015-2018, Algebra 1



Statewide Proficiency Rate for FARMS Students by Race and Other Service Groups, ELA 3-8

	N (2018)	Percent Proficient			
		2015	2016	2017	2018
Black or African American FARMS	84,611	16.7%	16.9%	17.8%	19.3%
Black or African American non-FARMS	50,293	35.4%	33.6%	34.6%	38.2%
DIFFERENCE*		-18.7	-16.7	-16.8	-18.9
White FARMS	32,549	27.7%	27.8%	29.2%	30.4%
White non-FARMS	116,668	59.6%	58.9%	61.9%	63.5%
DIFFERENCE*		-31.9	-31.1	-32.7	-33.1
Hispanic/Latino of any race FARMS	49,074	17.6%	18.3%	19.2%	20.8%
Hispanic/Latino of any race non-FARMS	20,212	42.9%	39.9%	40.5%	42.4%
DIFFERENCE*		-25.3	-21.6	-21.3	-21.6
English learner FARMS	24,641	1.9%	3.3%	2.9%	5.8%
English learner non-FARMS	6,334	8.5%	7.7%	6.4%	11.8%
DIFFERENCE*		-6.6	-4.4	-3.5	-6.0
Students with Disabilities FARMS	26,933	2.7%	2.7%	2.7%	3.0%
Students with Disabilities non-FARMS	17,641	12.0%	11.9%	12.2%	14.0%
DIFFERENCE*		-9.3	-9.2	-9.5	-11.0

* Proficiency rate for FARMS and non-FARMS students are significantly different ($p < 0.05$) for all race and other service groups. Numbers may not add precisely due to rounding.

Statewide Proficiency Rate for FARMS Students by Race and Other Service Groups, ELA 10

		Percent Proficient			
	N (2018)	2015	2016	2017	2018
Black or African American FARMS	16,428	19.3%	20.0%	21.4%	18.2%
Black or African American non-FARMS	14,225	33.0%	36.2%	36.8%	30.5%
DIFFERENCE*		-13.7	-16.1	-15.5	-12.3
White FARMS	5,579	28.1%	34.4%	39.3%	35.7%
White non-FARMS	22,899	54.3%	63.7%	73.3%	69.1%
DIFFERENCE*		-26.3	-29.3	-34.0	-33.4
Hispanic/Latino of any race FARMS	8,285	20.7%	23.7%	25.6%	22.3%
Hispanic/Latino of any race non-FARMS	5,005	36.7%	40.7%	46.9%	39.5%
DIFFERENCE*		-16.0	-17.0	-21.4	-17.2
English learner FARMS	4,514	1.3%	2.7%	1.9%	3.0%
English learner non-FARMS	1,844	4.0%	5.6%	4.6%	5.6%
DIFFERENCE*		-2.7	-2.8	-2.7	-2.6
Students with Disabilities FARMS	5,021	2.9%	3.3%	3.1%	3.0%
Students with Disabilities non-FARMS	5,104	10.9%	11.4%	15.7%	11.4%
DIFFERENCE*		-8.0	-8.1	-12.6	-8.4

* Proficiency rate for FARMS and non-FARMS students are significantly different ($p < 0.05$) for all race and other service groups. Numbers may not add precisely due to rounding.

Statewide Proficiency Rate for FARMS Students by Race and Other Service Groups, Math 3-8

		Percent Proficient			
	N (2018)	2015	2016	2017	2018
Black or African American FARMS	81,723	9.2%	12.0%	11.6%	12.5%
Black or African American non-FARMS	46,529	21.4%	24.5%	23.5%	26.3%
DIFFERENCE*		-12.3	-12.5	-11.9	-13.8
White FARMS	31,060	19.5%	24.5%	24.1%	25.8%
White non-FARMS	102,235	49.4%	55.8%	55.7%	58.3%
DIFFERENCE*		-29.9	-31.3	-31.6	-32.5
Hispanic/Latino of any race FARMS	46,929	11.3%	15.6%	15.2%	15.6%
Hispanic/Latino of any race non-FARMS	18,499	29.8%	33.3%	31.4%	33.7%
DIFFERENCE*		-18.5	-17.7	-16.2	-18.1
English learner FARMS	24,812	3.1%	6.6%	5.8%	7.6%
English learner non-FARMS	6,601	12.6%	16.3%	12.7%	16.5%
DIFFERENCE*		-9.5	-9.7	-6.9	-8.9
Students with Disabilities FARMS	26,525	2.2%	3.0%	2.9%	3.2%
Students with Disabilities non-FARMS	17,041	10.8%	13.3%	12.9%	14.6%
DIFFERENCE*		-8.7	-10.3	-10.0	-11.4

* Proficiency rate for FARMS and non-FARMS students are significantly different ($p < 0.05$) for all race and other service groups. Numbers may not add precisely due to rounding.

Statewide Proficiency Rate for FARMS Students by Race and Other Service Groups, Algebra I

		Percent Proficient			
	N (2018)	2015	2016	2017	2018
Black or African American FARMS	18,845	8.5%	11.3%	10.9%	9.2%
Black or African American non-FARMS	14,591	19.5%	24.0%	21.7%	18.5%
DIFFERENCE*		-11.0	-12.7	-10.8	-9.3
White FARMS	6,429	20.8%	24.9%	29.1%	24.4%
White non-FARMS	24,002	51.0%	58.8%	62.4%	59.8%
DIFFERENCE*		-30.3	-33.8	-33.3	-35.4
Hispanic/Latino of any race FARMS	11,343	10.6%	13.0%	13.1%	10.3%
Hispanic/Latino of any race non-FARMS	5,921	27.9%	29.8%	27.5%	25.1%
DIFFERENCE*		-17.2	-16.8	-14.4	-14.8
English learner FARMS	6,483	4.0%	4.7%	4.0%	3.2%
English learner non-FARMS	2,479	13.2%	13.0%	9.4%	8.5%
DIFFERENCE*		-9.2	-8.3	-5.3	-5.3
Students with Disabilities FARMS	5,692	1.6%	2.2%	3.0%	1.8%
Students with Disabilities non-FARMS	5,222	9.6%	12.5%	13.2%	9.5%
DIFFERENCE*		-8.0	-10.3	-10.2	-7.7

* Proficiency rate for FARMS and non-FARMS students are significantly different ($p < 0.05$) for all race and other service groups. Numbers may not add precisely due to rounding.