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 27, 2019

SUBJECT: 2019 Maryland Comprehensive Assessment Program (MCAP) PARCC English Language Arts (ELA) and PARCC Math Results

PURPOSE:

To present the State Board with the results of the 2019 administration of the Maryland Comprehensive Assessment Program (MCAP) PARCC ELA and PARCC Math results.

EXECUTIVE SUMMARY:

The Maryland State Department of Education will provide the following information on the State and local level results for PARCC ELA and PARCC Math, as well as student group achievement by race/ethnicity and service groups.

ACTION:

No action is necessary; for discussion only.

Maryland Comprehensive Assessment Program (MCAP) ELA and Math Results

MARYLAND STATE DEPARTMENT OF
EDUCATION
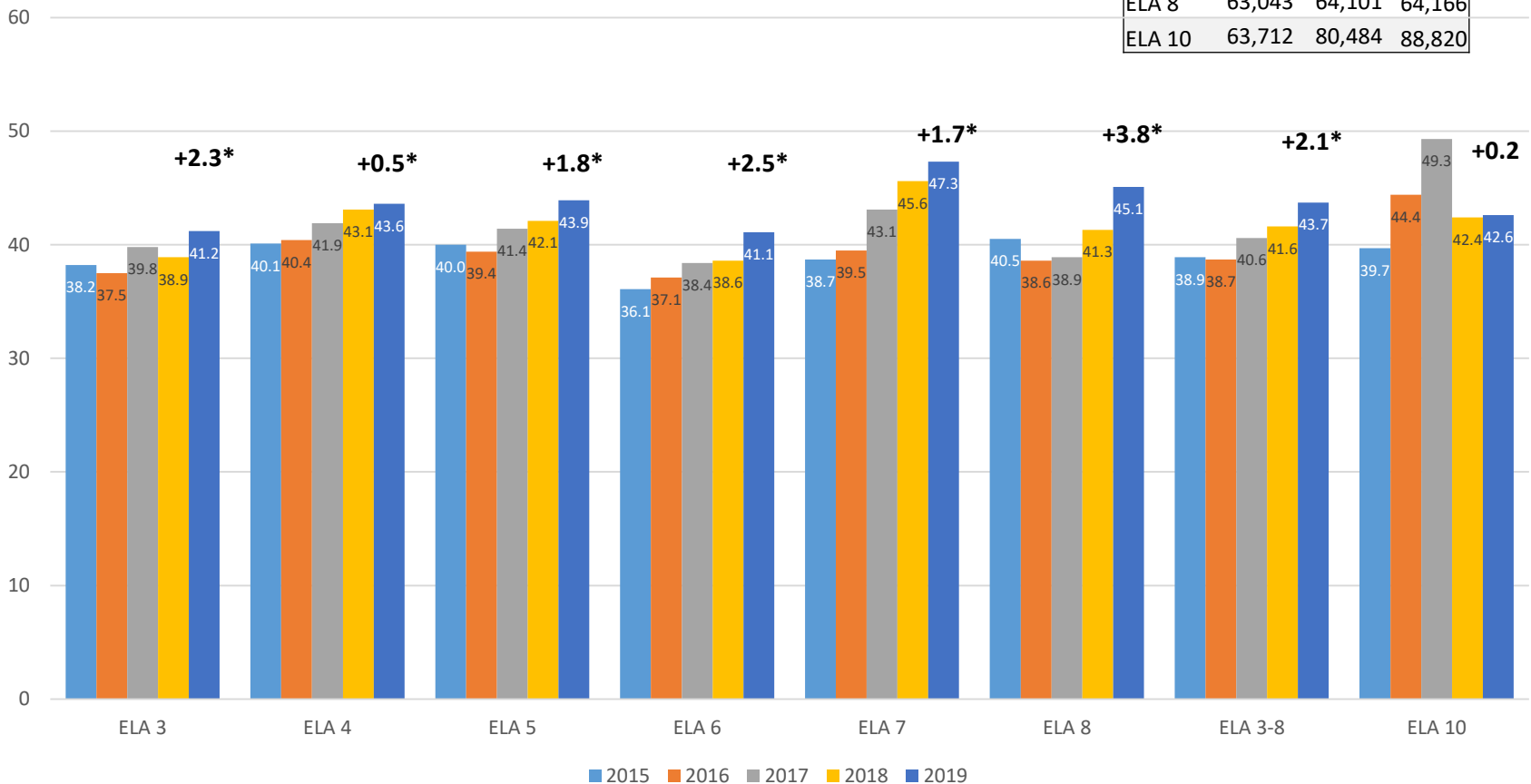**EQUITY** AND **EXCELLENCE**

STATE BOARD MEETING

August 27, 2019

MCAP ELA and Math Results

1. State level results

2. Local school system results

3. Student group results

English Language Arts: Performance Level 4 or Higher by Exam, 2015-2019

	Tested Count 2017	Tested Count 2018	Tested Count 2019
ELA 3-8	393,123	399,863	401,406
ELA 3	68,779	67,719	66,062
ELA 4	68,070	69,417	67,978
ELA 5	66,143	68,662	69,513
ELA 6	63,573	65,786	67,866
ELA 7	63,515	64,178	65,821
ELA 8	63,043	64,101	64,166
ELA 10	63,712	80,484	88,820

Note: Numbers above bars are percentage point change 2018 to 2019. Numbers may not add precisely due to rounding. *Statistically significant at $p < 0.05$

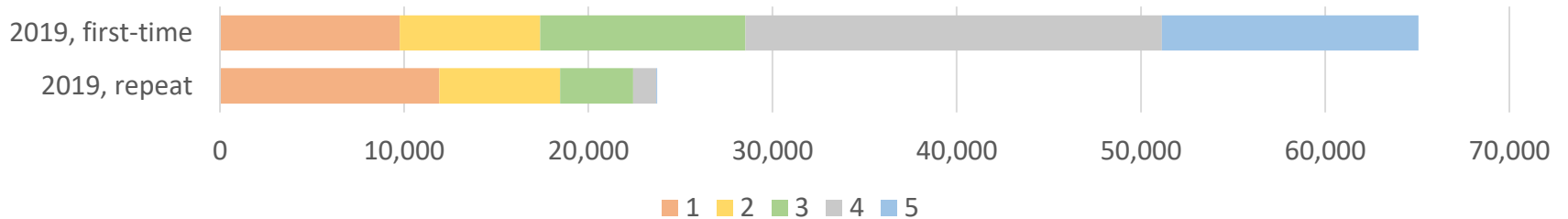# 2019 ELA 10 Exams, First-Time and Repeat Tests

ELA Performance Levels by Rate, 2019 First-Time and Repeat Tests
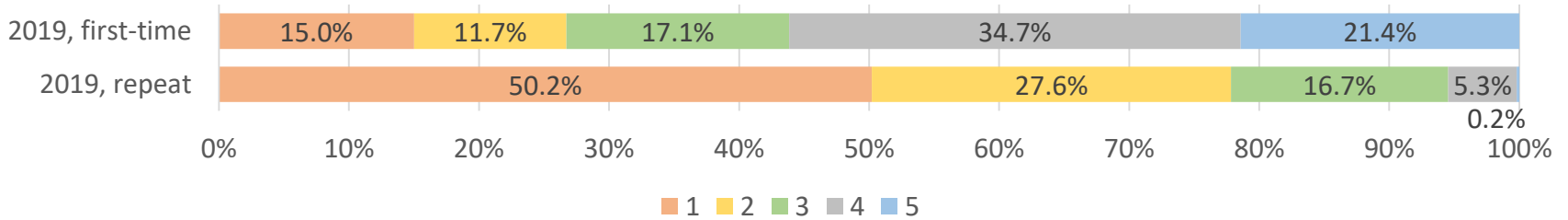
	1	2	3	4	5
2019, first-time	15.0%	11.7%	17.1%	34.7%	21.4%
2019, repeat	50.2%	27.6%	16.7%	5.3%	0.2%

ELA Performance Levels by Count, 2019 First-Time and Repeat Tests

PERFORMANCE LEVEL	1	2	3	4	5
2019, first-time	9,761	7,633	11,135	22,609	13,942
2019, repeat	11,912	6,557	3,970	1,250	48

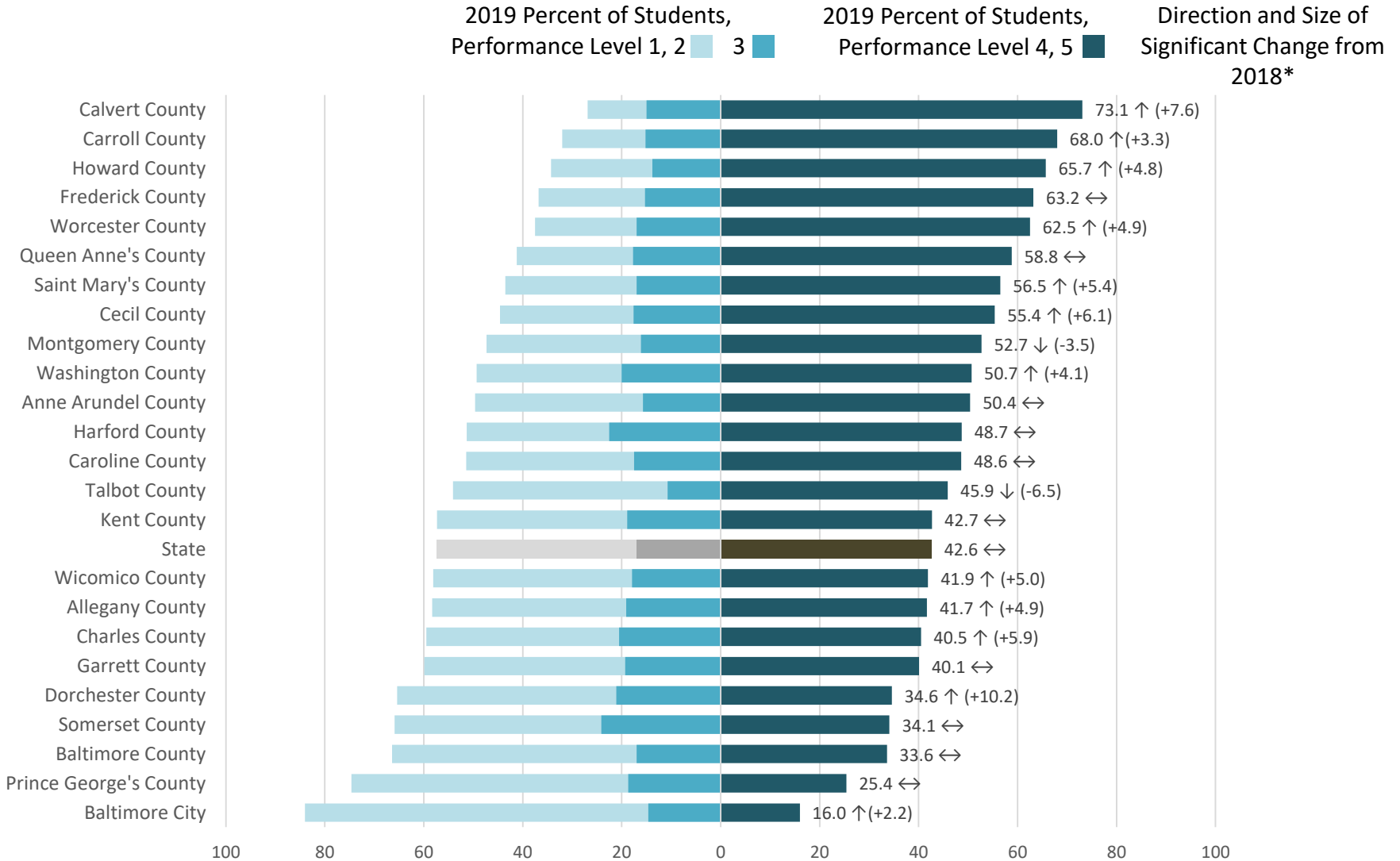# 2019 Percent of Students Performance Level 4 or Higher, and Change from Previous Year, by LSS ELA 3-8

	2019 Percent of Students, Performance Level 1, 2 ▢ 3 ▢	2019 Percent of Students, Performance Level 4, 5 ■	Direction and Size of Significant Change from 2018*
Worcester County			61.9 ↔
Carroll County			60.0 ↑ (+2.5)
Queen Anne's County			59.2 ↑ (+2.8)
Howard County			58.4 ↑ (+2.1)
Calvert County			56.2 ↑ (+1.5)
Frederick County			55.7 ↑ (+3.1)
Montgomery County			53.4 ↑ (+2.2)
Allegany County			49.0 ↑ (+4.6)
Anne Arundel County			48.9 ↑ (+1.8)
Saint Mary's County			48.5 ↑ (+3.2)
Harford County			47.8 ↑ (+2.3)
Washington County			46.6 ↑ (+3.8)
State			43.7 ↑ (+2.1)
Talbot County			43.1 ↔
Cecil County			43.1 ↑ (+1.4)
Caroline County			41.7 ↑ (+4.0)
Charles County			40.9 ↑ (+1.0)
Garrett County			39.6 ↑ (+3.3)
Wicomico County			37.3 ↔
Baltimore County			36.8 ↑ (+1.3)
Kent County			33.1 ↔
Somerset County			32.7 ↔
Dorchester County			32.2 ↔
Prince George's County			31.2 ↑ (+1.8)
Baltimore City			19.7 ↑ (+2.2)

100   80   60   40   20   0   20   40   60   80

* $p < 0.05$; left/right arrow indicates no significant change

Change in Percent of Students at Performance Level 4 or Higher, 2018 to 2019, ELA 3-8

Legend:
- Increase 5 percentage points or more*
- Increase less than 5 percentage points*
- No change*
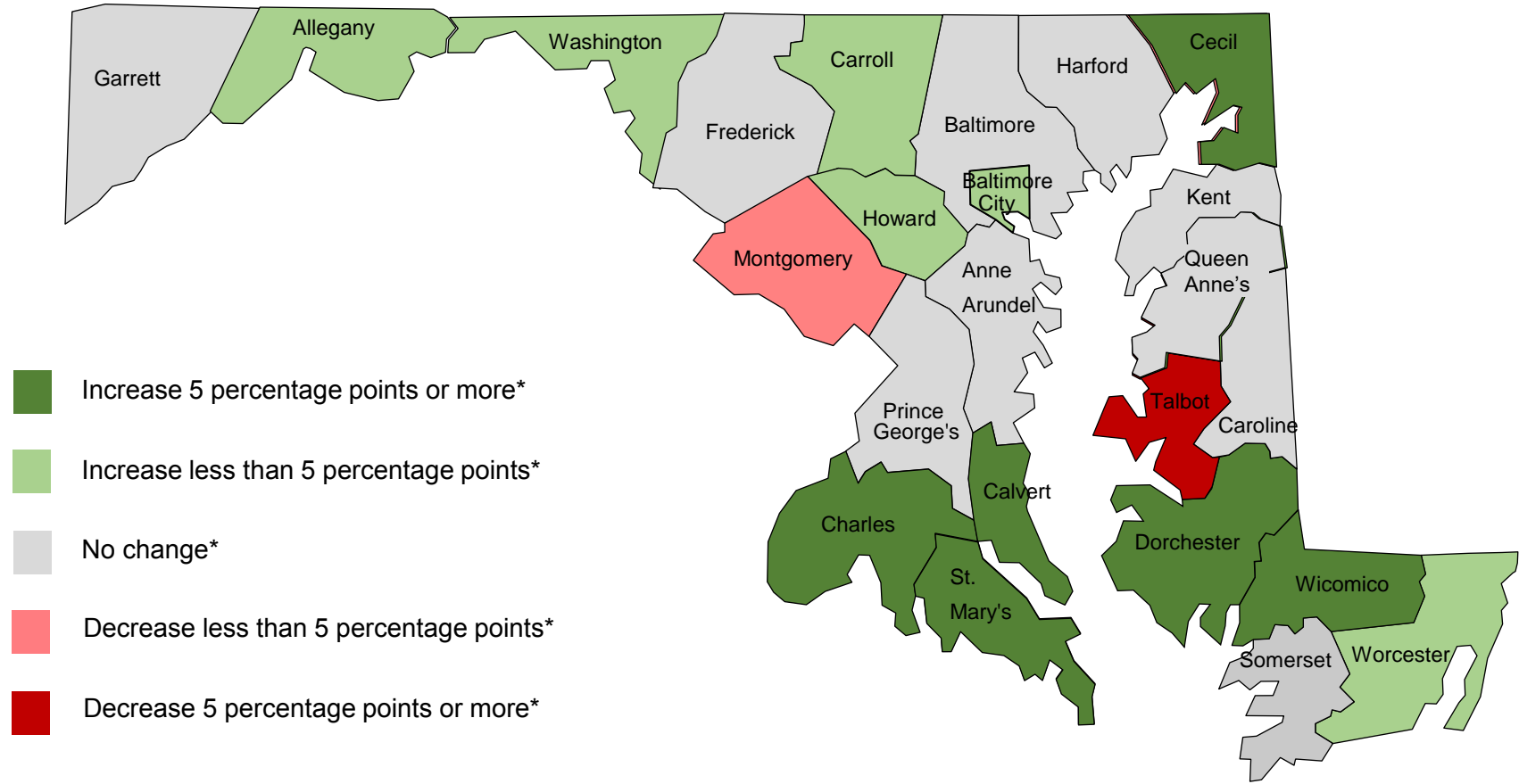- Decrease less than 5 percentage points*
- Decrease 5 percentage points or more*

*Significant at p < 0.05

2019 Percent of Students Performance Level 4 or Higher, and Change from Previous Year, by LSS ELA 10

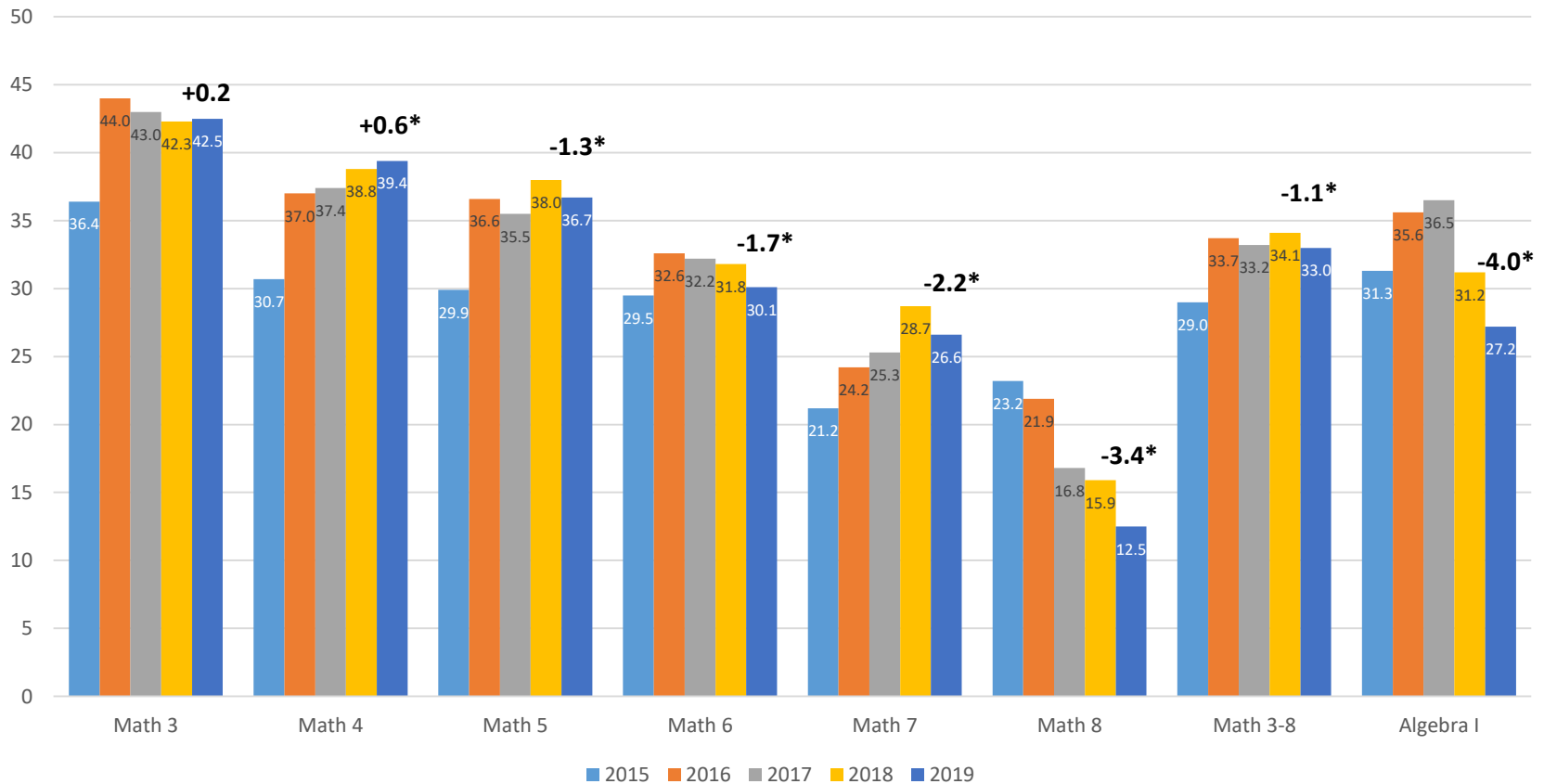* p < 0.05; Left/right arrow indicates no significant change

Change in Percent of Students at Performance Level 4 or Higher, 2018 to 2019, ELA 10

Legend:
- Increase 5 percentage points or more*
- Increase less than 5 percentage points*
- No change*
- Decrease less than 5 percentage points*
- Decrease 5 percentage points or more*

*Significant at p < 0.05

Math: Performance Level 4 or Higher by Exam, 2015-2019

	Tested Count 2017	Tested Count 2018	Tested Count 2019
Math 3-8	362,630	366,791	366,695
Math 3	69,107	67,894	66,364
Math 4	68,355	69,613	68,307
Math 5	66,413	68,837	69,786
Math 6	63,697	65,677	67,762
Math 7	57,190	57,299	58,120
Math 8	37,868	37,471	36,356
Algebra I	71,025	90,467	98,988

Bar chart, "Math: Performance Level 4 or Higher by Exam, 2015-2019", with series 2015, 2016, 2017, 2018, 2019.

- Math 3: 36.4, 44.0, 43.0, 42.3, 42.5 — **+0.2**
- Math 4: 30.7, 37.0, 37.4, 38.8, 39.4 — **+0.6***
- Math 5: 29.9, 36.6, 35.5, 38.0, 36.7 — **-1.3***
- Math 6: 29.5, 32.6, 32.2, 31.8, 30.1 — **-1.7***
- Math 7: 21.2, 24.2, 25.3, 28.7, 26.6 — **-2.2***
- Math 8: 23.2, 21.9, 16.8, 15.9, 12.5 — **-3.4***
- Math 3-8: 29.0, 33.7, 33.2, 34.1, 33.0 — **-1.1***
- Algebra I: 31.3, 35.6, 36.5, 31.2, 27.2 — **-4.0***

*Note: Numbers above bars are percentage point change 2018 to 2019. Numbers may not add precisely due to rounding. *Statistically significant at p < 0.05*
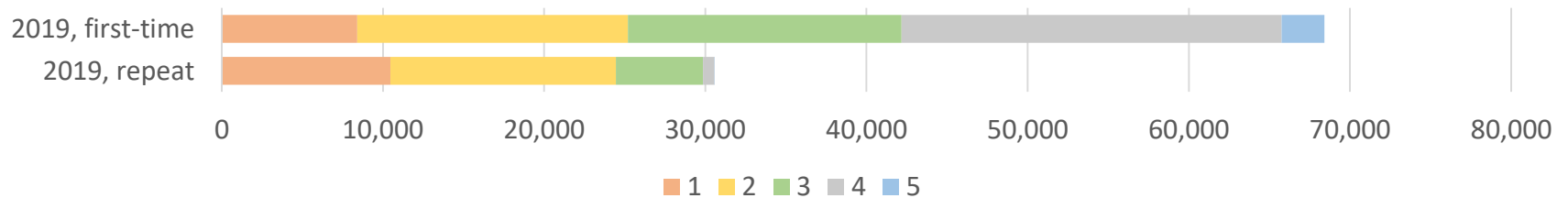
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2019 Algebra 1 Exams, First-Time and Repeat Tests

Algebra 1 Performance Levels by Rate, 2019 First-Time and Repeat Tests
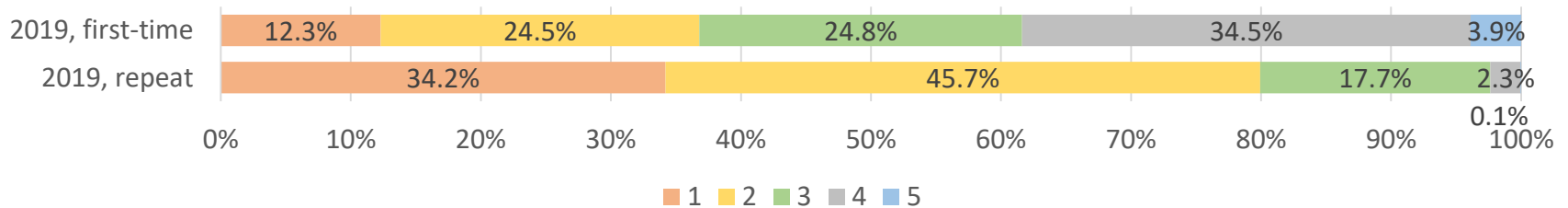
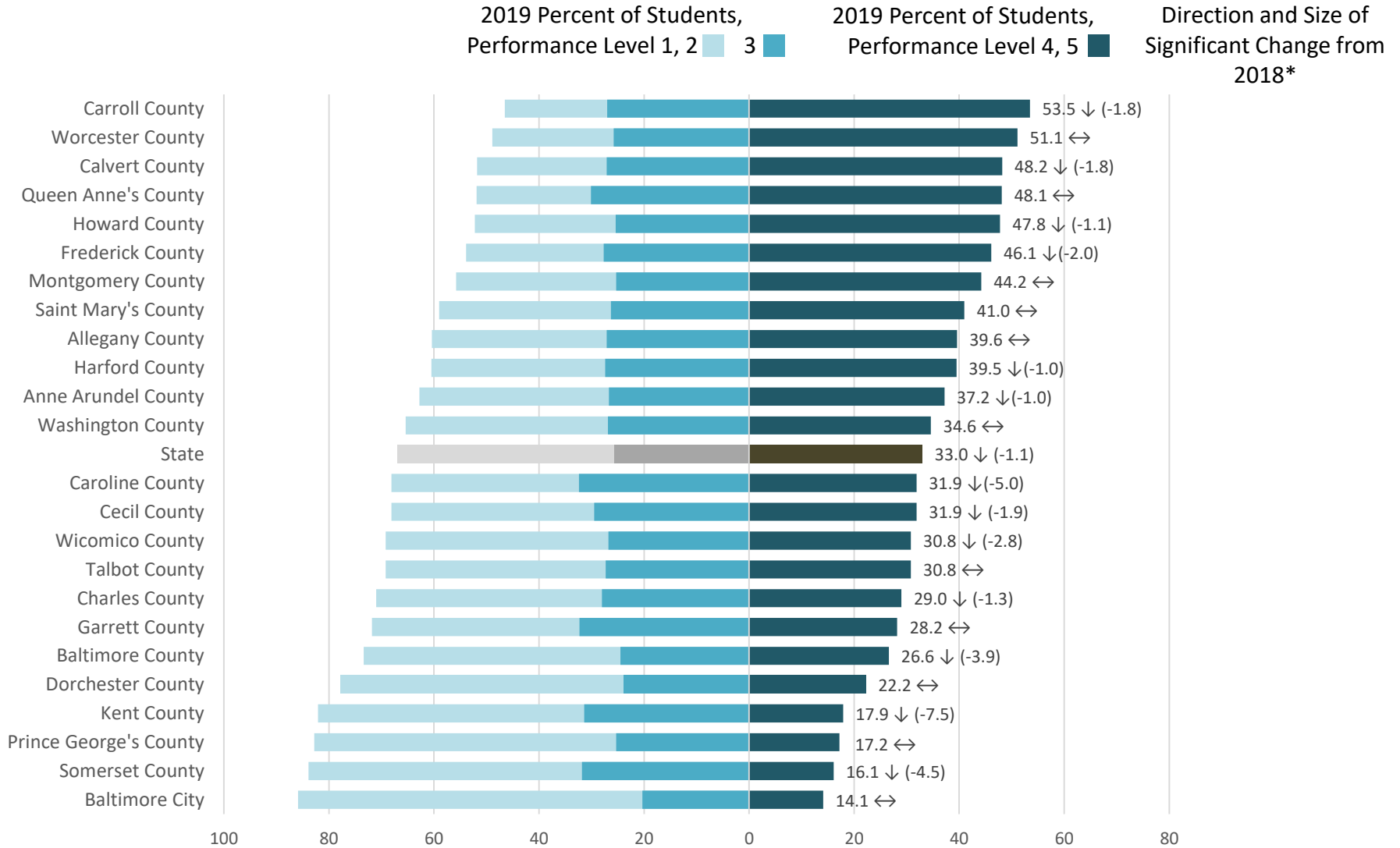|	1	2	3	4	5
2019, first-time	12.3%	24.5%	24.8%	34.5%	3.9%
2019, repeat	34.2%	45.7%	17.7%	2.3%	0.1%

Algebra 1 Performance Levels by Count, 2019 First-Time and Repeat Tests

PERFORMANCE LEVEL	1	2	3	4	5
2019, first-time	8,413	16,790	16,969	23,584	2,656
2019, repeat	10,465	13,986	5,403	710	15

2019 Percent of Students Performance Level 4 or Higher, and Change from Previous Year, by LSS MAT 3-8
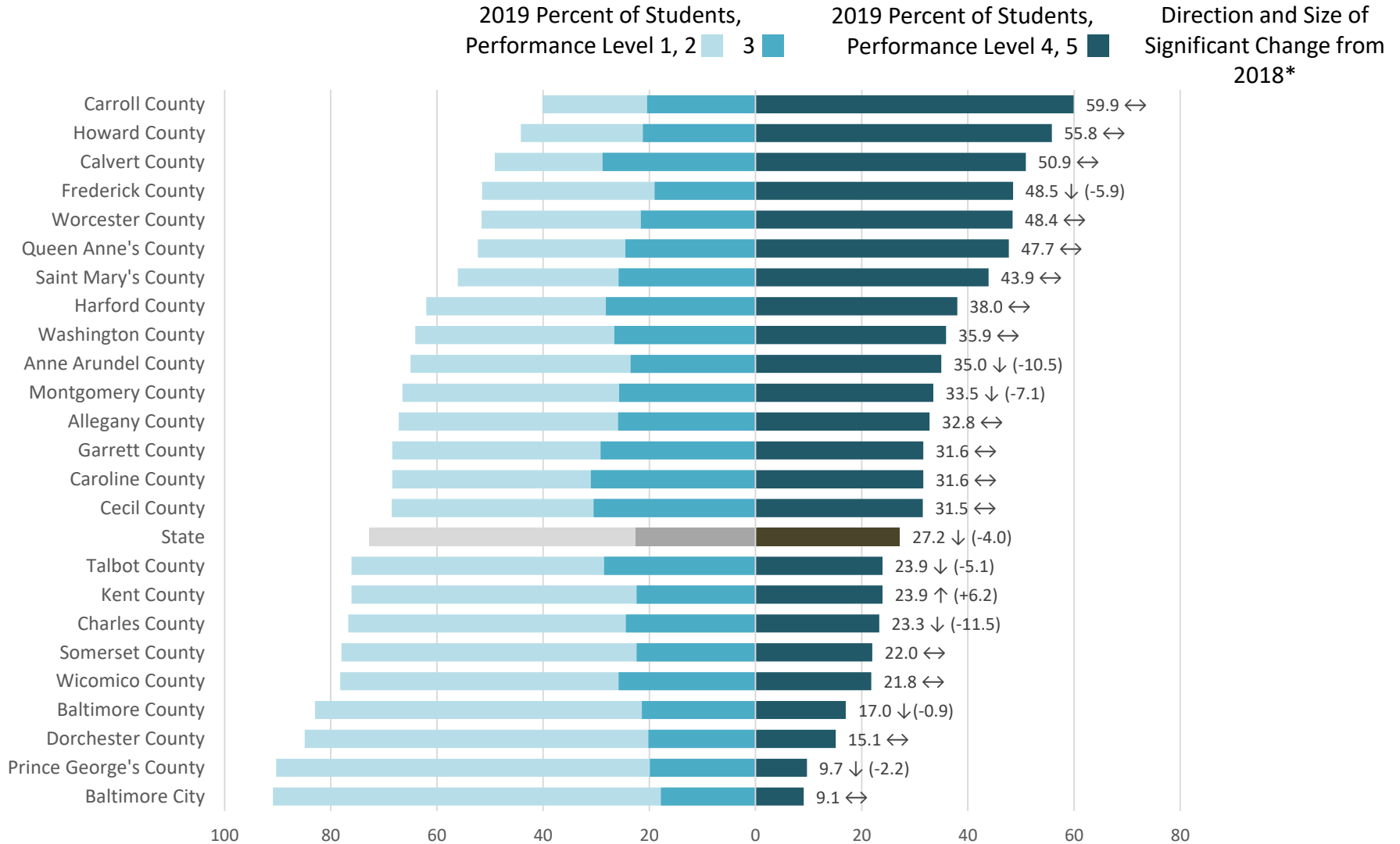
2019 Percent of Students, Performance Level 1, 2   3

2019 Percent of Students, Performance Level 4, 5

Direction and Size of Significant Change from 2018*

County	Percent	Change
Carroll County	53.5	↓ (-1.8)
Worcester County	51.1	↔
Calvert County	48.2	↓ (-1.8)
Queen Anne's County	48.1	↔
Howard County	47.8	↓ (-1.1)
Frederick County	46.1	↓ (-2.0)
Montgomery County	44.2	↔
Saint Mary's County	41.0	↔
Allegany County	39.6	↔
Harford County	39.5	↓ (-1.0)
Anne Arundel County	37.2	↓ (-1.0)
Washington County	34.6	↔
State	33.0	↓ (-1.1)
Caroline County	31.9	↓ (-5.0)
Cecil County	31.9	↓ (-1.9)
Wicomico County	30.8	↓ (-2.8)
Talbot County	30.8	↔
Charles County	29.0	↓ (-1.3)
Garrett County	28.2	↔
Baltimore County	26.6	↓ (-3.9)
Dorchester County	22.2	↔
Kent County	17.9	↓ (-7.5)
Prince George's County	17.2	↔
Somerset County	16.1	↓ (-4.5)
Baltimore City	14.1	↔

* p < 0.05; Left/right arrow indicates no significant change.

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Change in Percent of Students at Performance Level 4 or Higher, 2018 to 2019, MAT 3-8

Increase 5 percentage points or more*

Increase less than 5 percentage points*

No change*

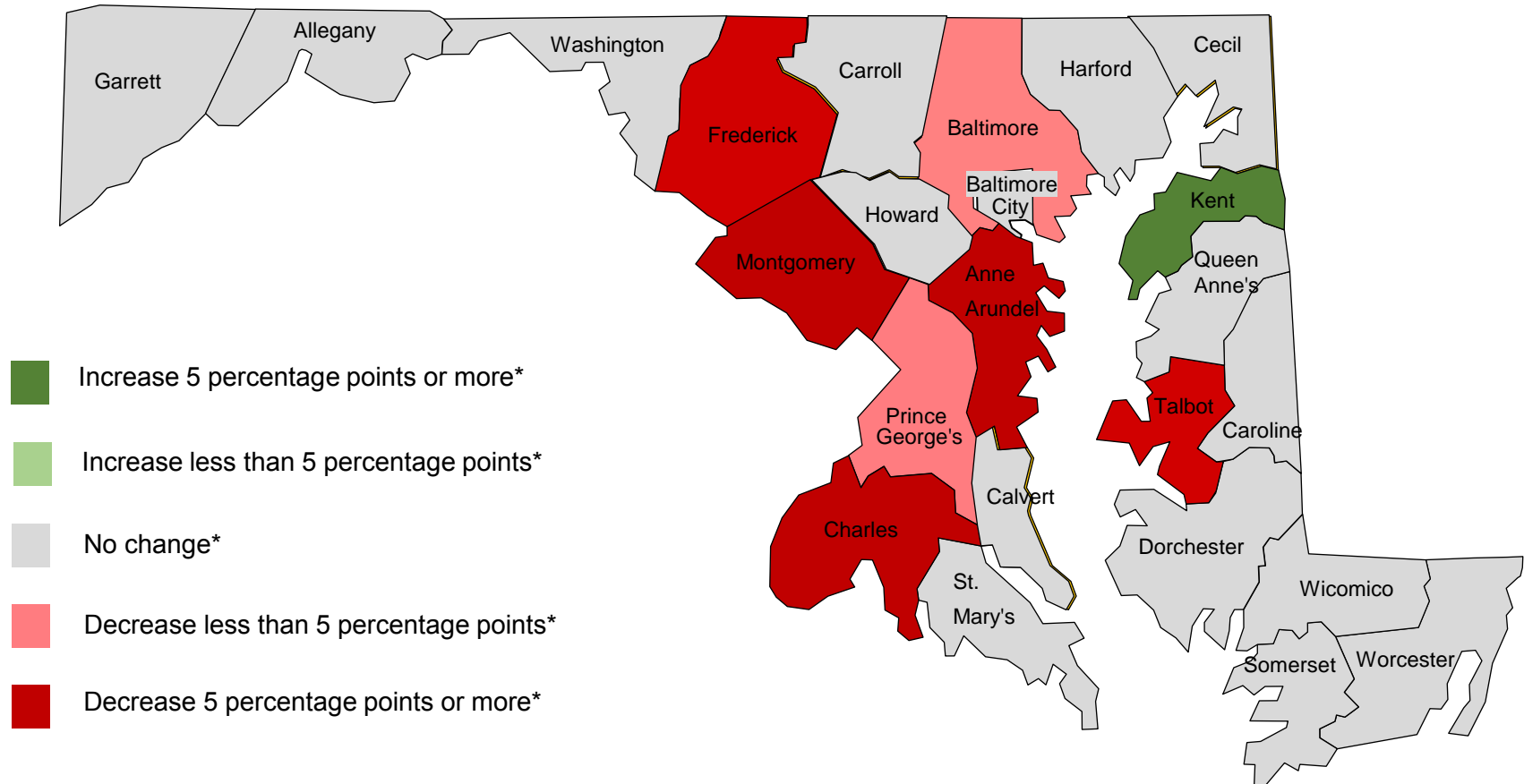Decrease less than 5 percentage points*

Decrease 5 percentage points or more*

*Significant at p < 0.05

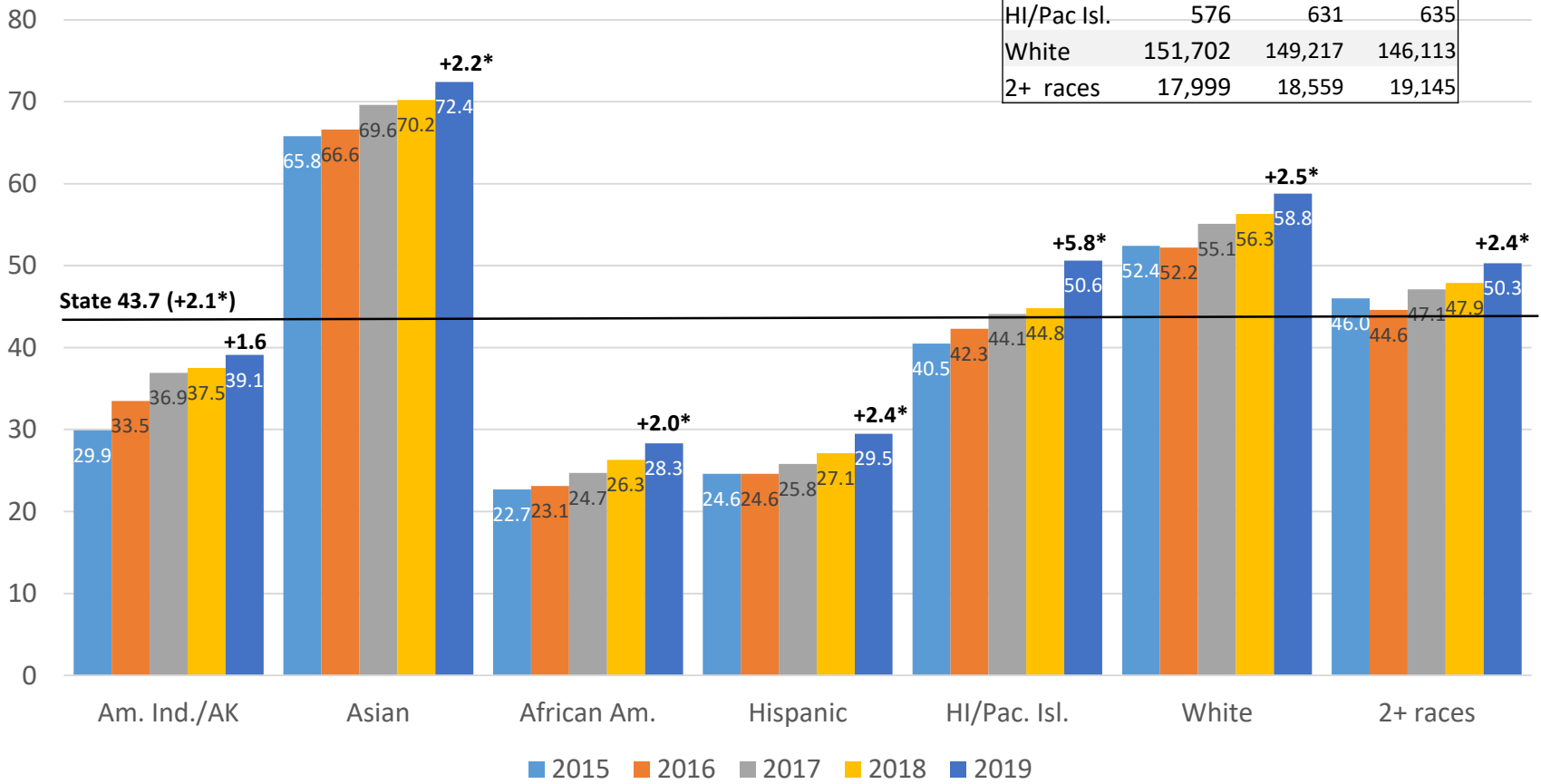2019 Percent of Students Performance Level 4 or Higher, and Change from Previous Year, by LSS Algebra 1

* p < 0.05; Left/right arrow indicates no significant change

Change in Percent of Students at Performance Level 4 or Higher, 2018 to 2019, Algebra 1

Legend:
- Increase 5 percentage points or more*
- Increase less than 5 percentage points*
- No change*
- Decrease less than 5 percentage points*
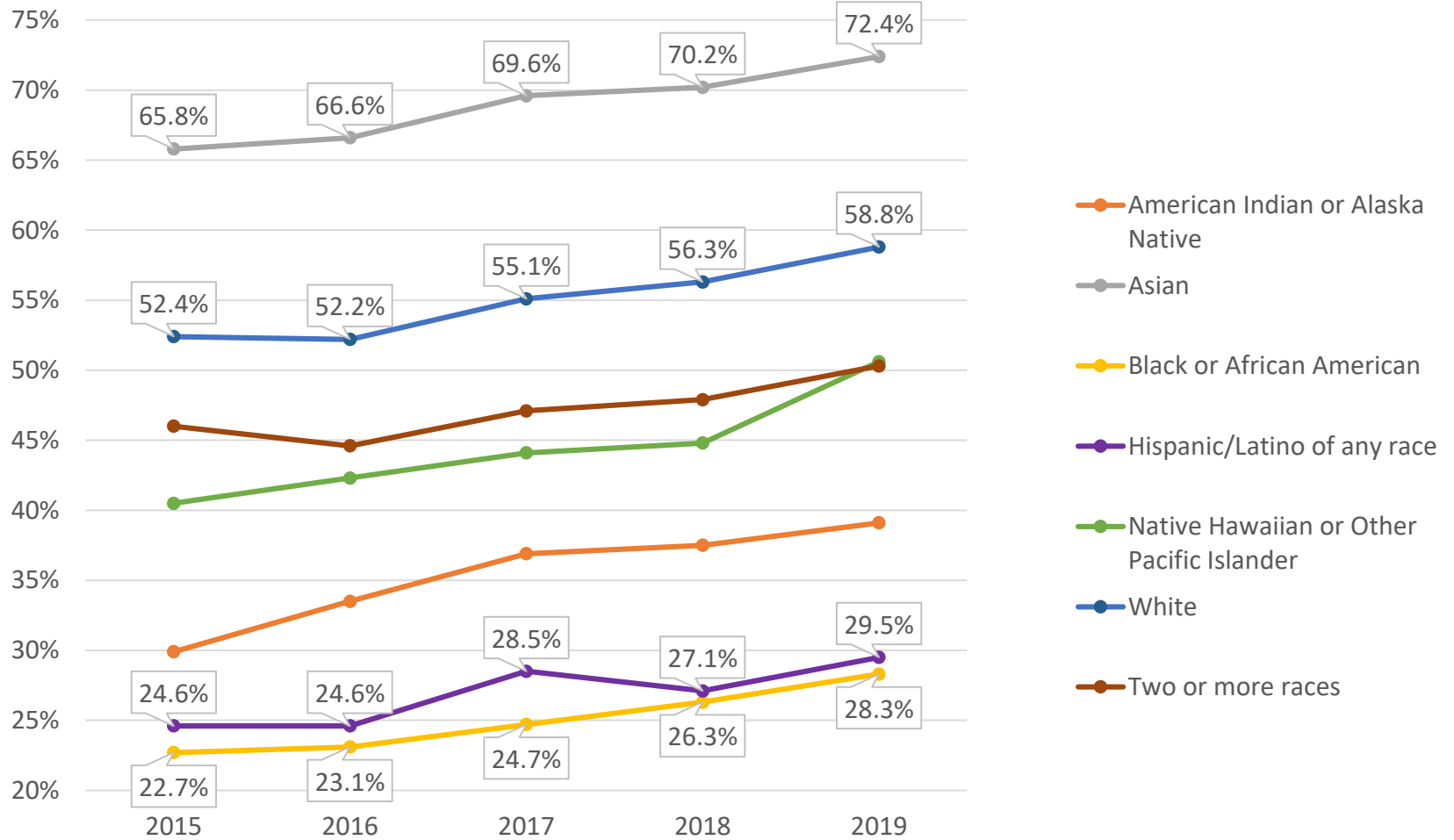- Decrease 5 percentage points or more*

*Significant at $p < 0.05$

English Language Arts 3-8: Performance Level 4 or Higher by Race/Ethnicity, 2015-2019

	Tested Count 2017	Tested Count 2018	Tested Count 2019
AM. Ind/AK	1,100	1,088	1,102
Asian	25,550	26,178	26,455
African Am.	132,700	134,904	135,248
Hispanic	63,496	69,286	72,708
HI/Pac Isl.	576	631	635
White	151,702	149,217	146,113
2+ races	17,999	18,559	19,145

Note: Numbers above bars are percentage point change 2018 to 2019. Numbers may not add precisely due to rounding. *Statistically significant at p < 0.05
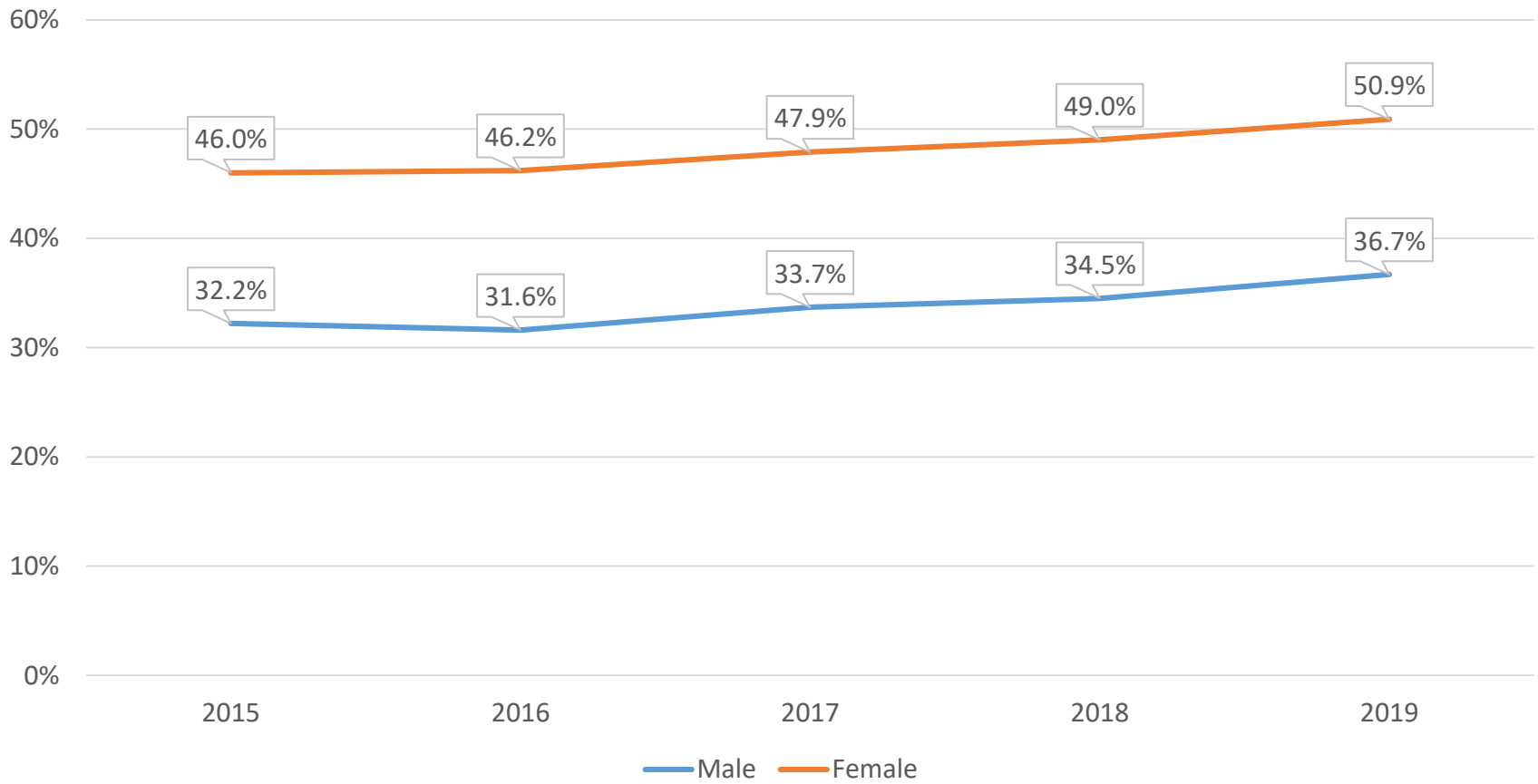
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Percent of Students at Performance Level 4 or Higher by Race/Ethnicity, 2015-2019, ELA 3-8

Percent of Students at Performance Level 4 or Higher by Service Group, 2015-2019, ELA 3-8
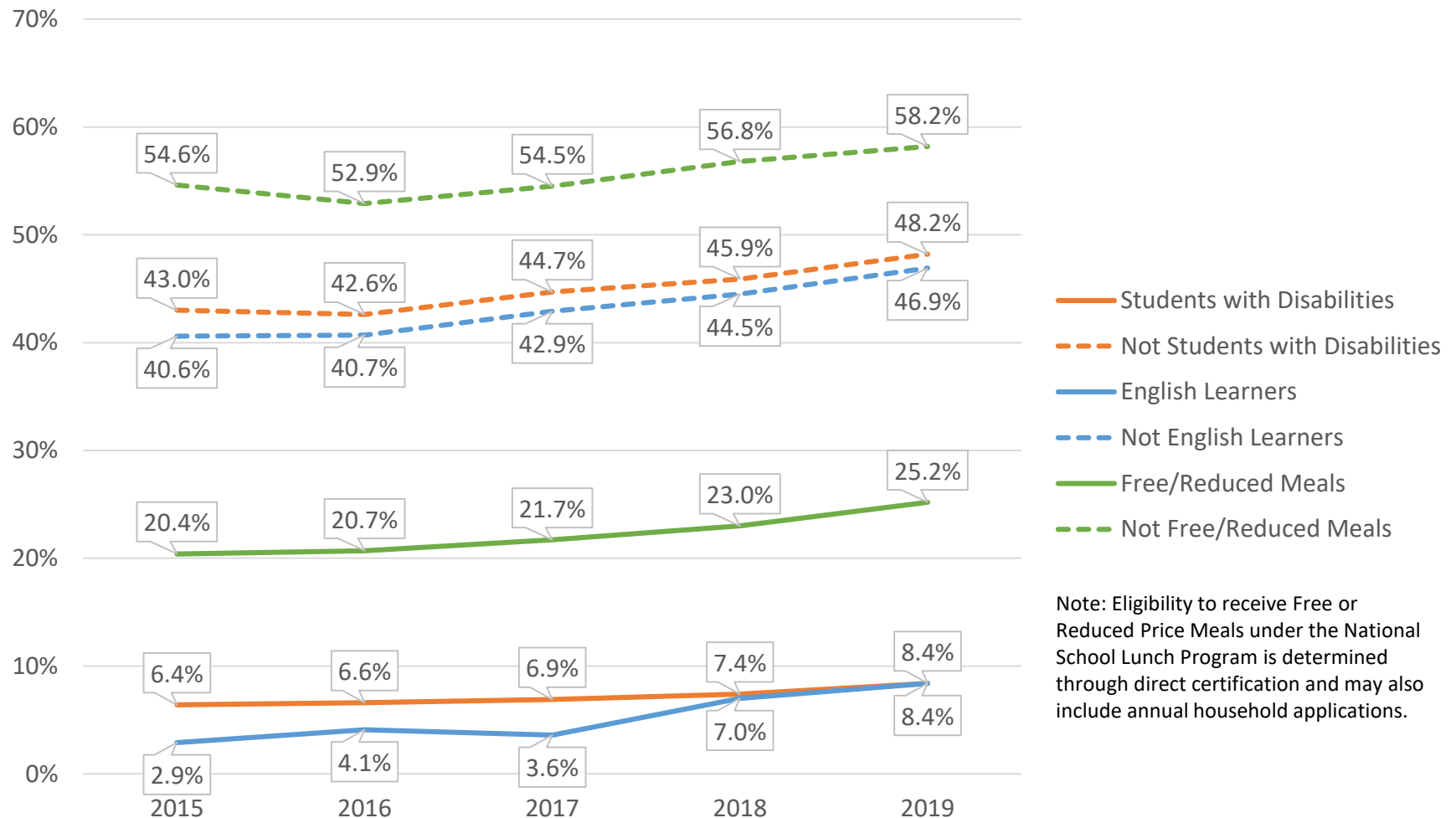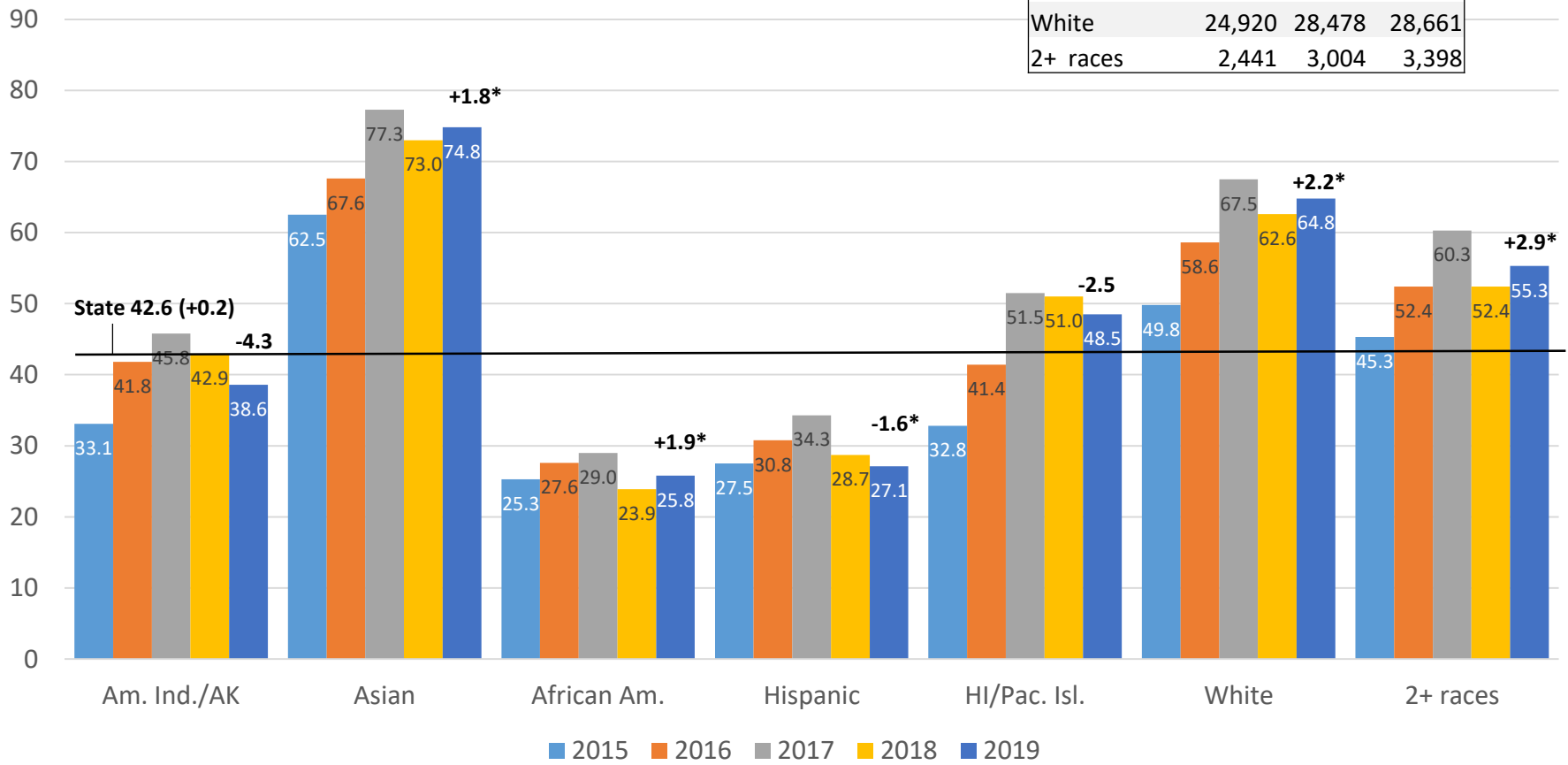
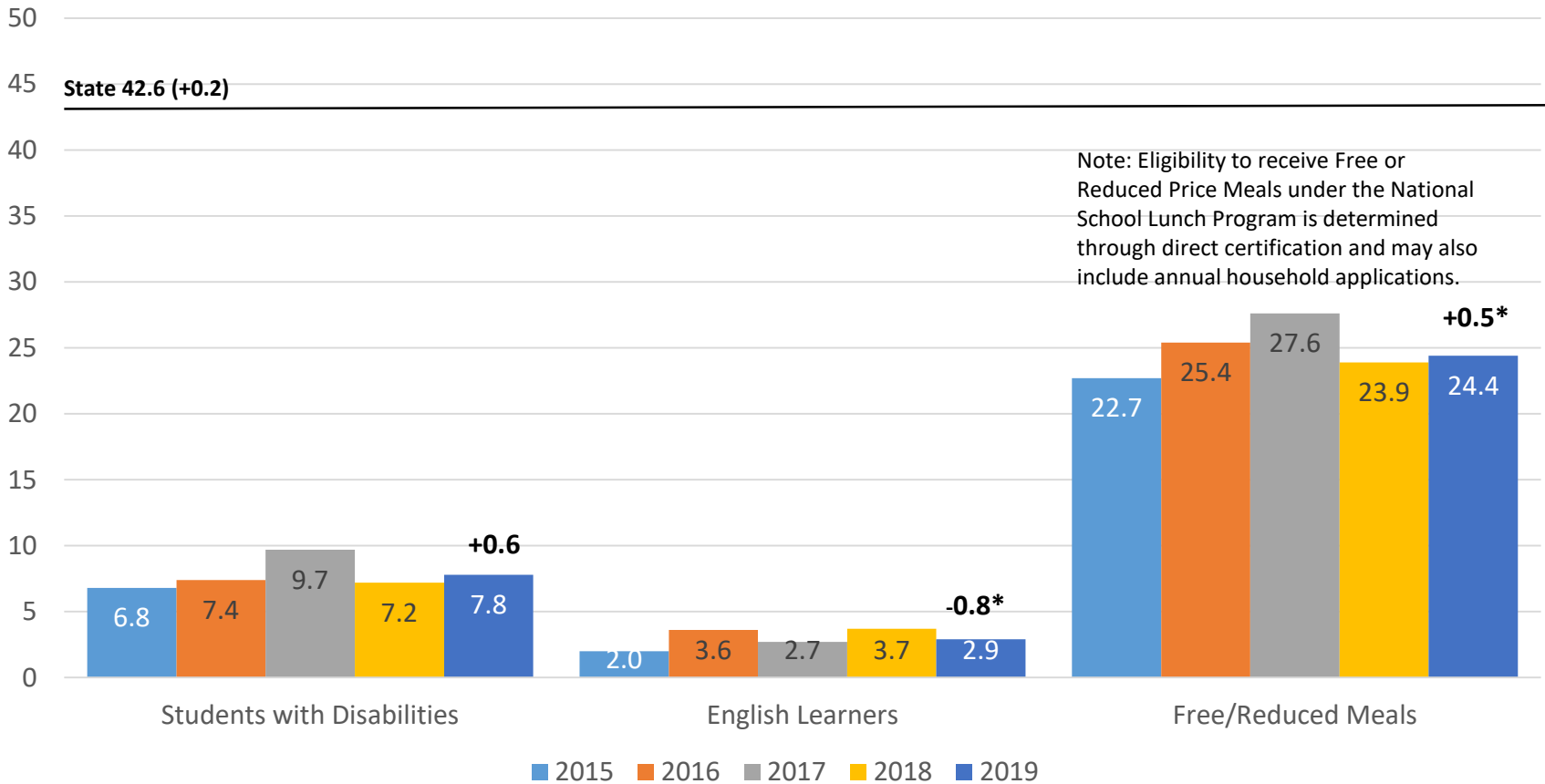# Percent of Students at Performance Level 4 or Higher by Gender, 2015-2019, ELA3-8

Male | Female

English Language Arts 10: Performance Level 4 or Higher by Race/Ethnicity, 2015-2019

	Tested Count 2017	Tested Count 2018	Tested Count 2019
AM. Ind/AK	153	203	210
Asian	4,247	4,756	5,056
African Am.	22,470	30,653	34,489
Hispanic	9,415	13,290	16,907
HI/Pac Isl.	66	100	99
White	24,920	28,478	28,661
2+ races	2,441	3,004	3,398

State 42.6 (+0.2)

Am. Ind./AK: 33.1, 41.8, 45.8, 42.9, 38.6 (-4.3)
Asian: 62.5, 67.6, 77.3, 73.0, 74.8 (+1.8*)
African Am.: 25.3, 27.6, 29.0, 23.9, 25.8 (+1.9*)
Hispanic: 27.5, 30.8, 34.3, 28.7, 27.1 (-1.6*)
HI/Pac. Isl.: 32.8, 41.4, 51.5, 51.0, 48.5 (-2.5)
White: 49.8, 58.6, 67.5, 62.6, 64.8 (+2.2*)
2+ races: 45.3, 52.4, 60.3, 52.4, 55.3 (+2.9*)

Legend: 2015, 2016, 2017, 2018, 2019

*Note: Numbers above bars are percentage point change 2018 to 2019. Numbers may not add precisely due to rounding. *Statistically significant at p < 0.05*
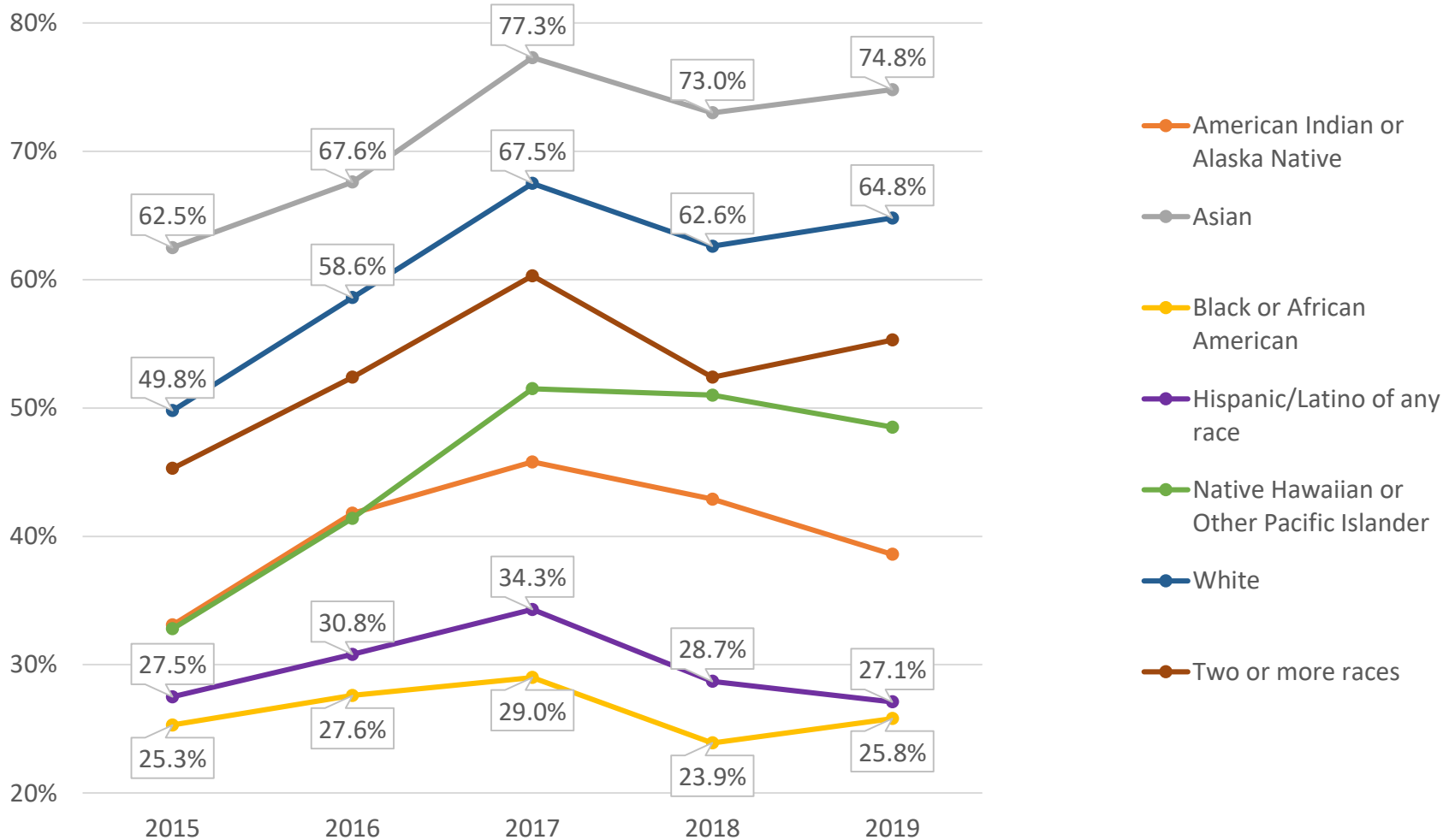
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English Language Arts 10: Performance Level 4 or Higher by Service Group, 2015-2019

Student Group	Tested Count 2017	Tested Count 2018	Tested Count 2019
Students with Disabilities	6,353	10,125	12,013
English Learners	3,463	6,358	9,056
Free/Reduced Meals	22,998	32,650	36,241

State 42.6 (+0.2)

Note: Eligibility to receive Free or Reduced Price Meals under the National School Lunch Program is determined through direct certification and may also include annual household applications.

Students with Disabilities: 6.8, 7.4, 9.7, 7.2, 7.8 **+0.6**

English Learners: 2.0, 3.6, 2.7, 3.7, 2.9 **-0.8***

Free/Reduced Meals: 22.7, 25.4, 27.6, 23.9, 24.4 **+0.5***

■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019

*Note: Numbers above bars are percentage point change 2018 to 2019. Numbers may not add precisely due to rounding. *Statistically significant at p < 0.05*
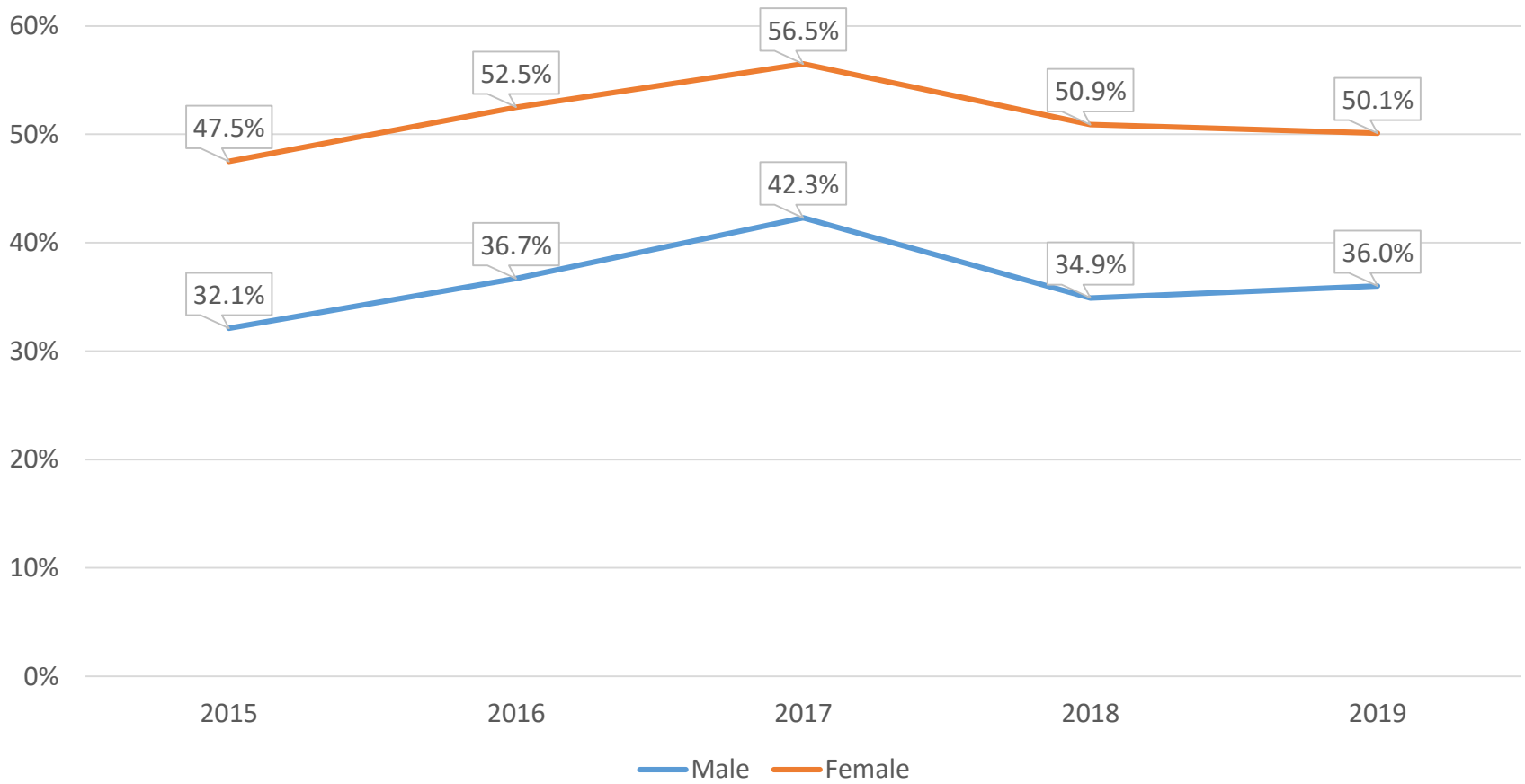
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Percent of Students at Performance Level 4 or Higher by Race/Ethnicity, 2015-2019, ELA 10

Percent of Students at Performance Level 4 or Higher by Service Group, 2015-2019, ELA 10
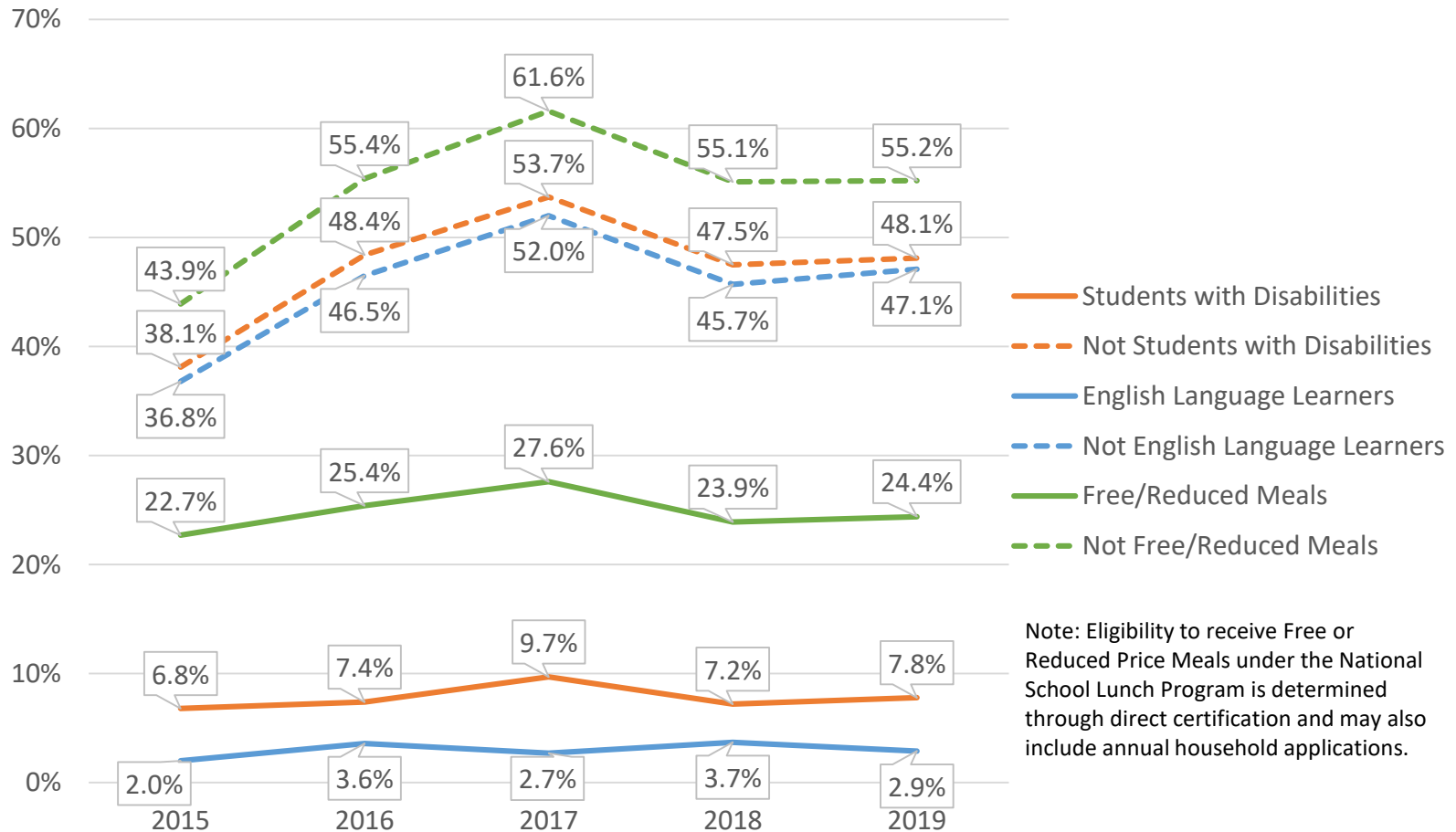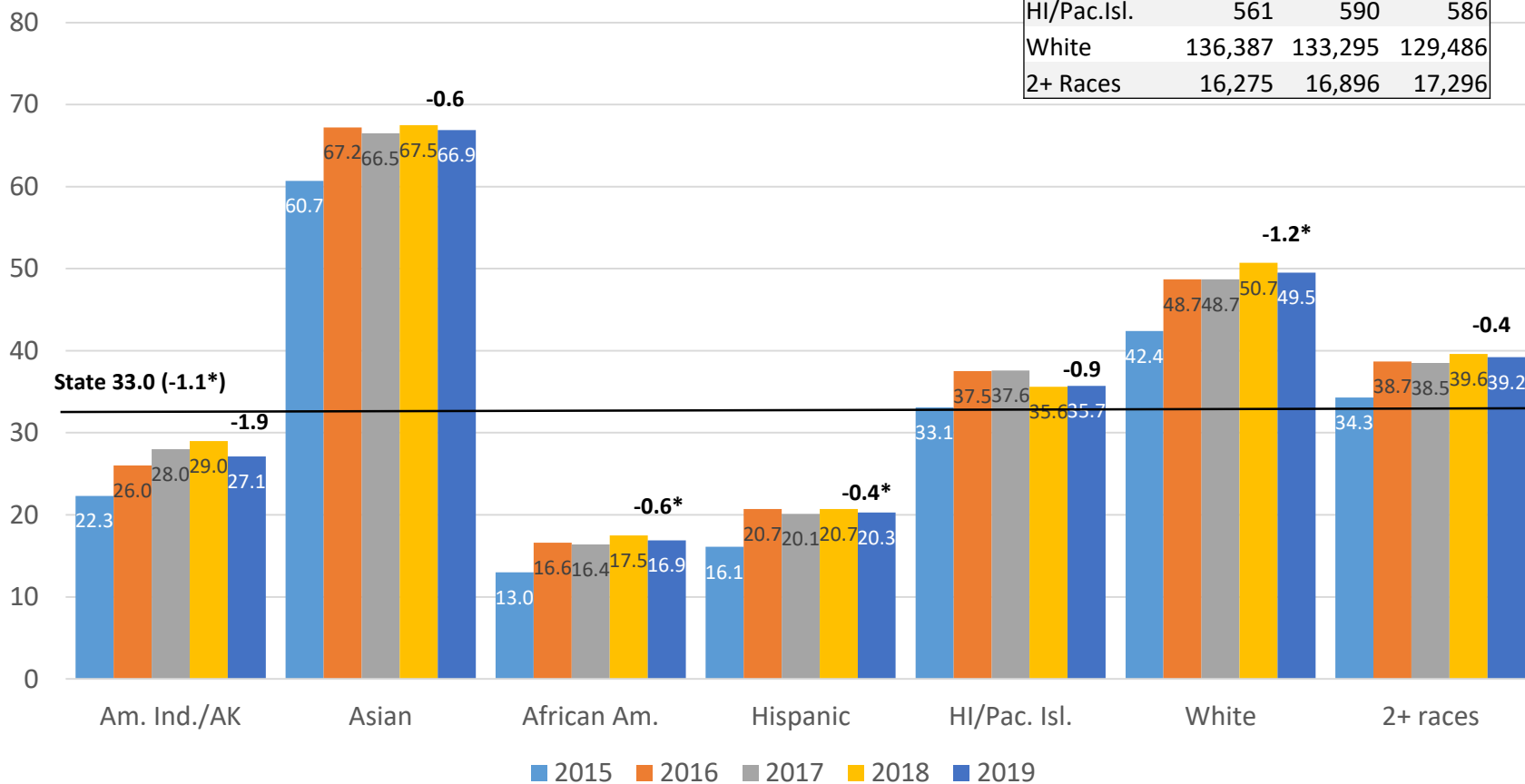
Percent of Students at Performance Level 4 or Higher by Gender, 2015-2019, ELA 10
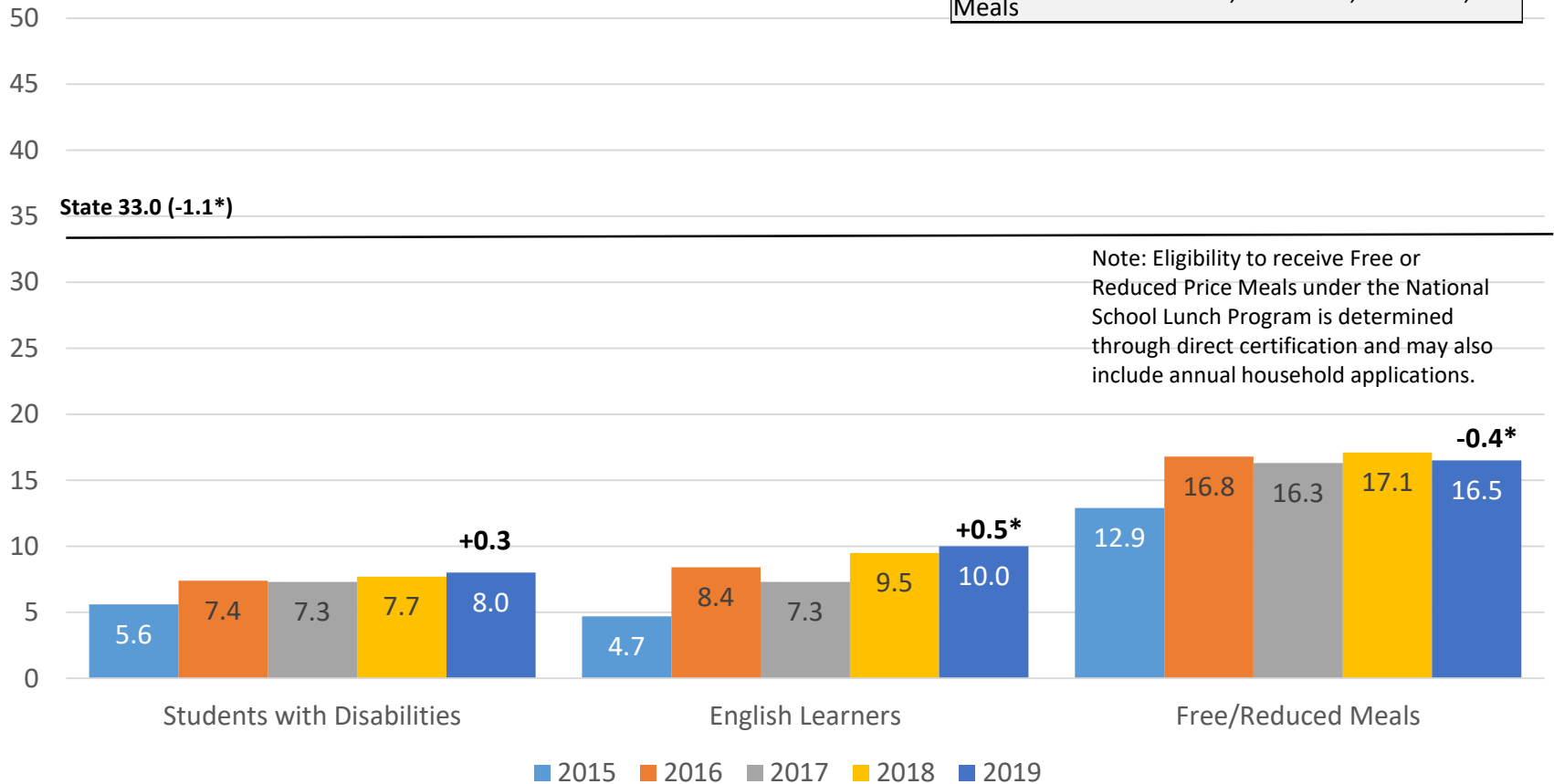
Math 3-8:
Performance Level 4 or Higher by Race/Ethnicity, 2015-2019

	Tested Count 2017	Tested Count 2018	Tested Count 2019
AM.Ind/AK	1,054	1,037	1,036
Asian	21,146	21,293	21,121
African Am.	126,405	128,252	128,101
Hispanic	60,802	65,428	69,069
HI/Pac.Isl.	561	590	586
White	136,387	133,295	129,486
2+ Races	16,275	16,896	17,296

State 33.0 (-1.1*)

Am. Ind./AK: 22.3, 26.0, 28.0, 29.0, 27.1 — -1.9
Asian: 60.7, 67.2, 66.5, 67.5, 66.9 — -0.6
African Am.: 13.0, 16.6, 16.4, 17.5, 16.9 — -0.6*
Hispanic: 16.1, 20.7, 20.1, 20.7, 20.3 — -0.4*
HI/Pac. Isl.: 33.1, 37.5, 37.6, 35.6, 35.7 — -0.9
White: 42.4, 48.7, 48.7, 50.7, 49.5 — -1.2*
2+ races: 34.3, 38.7, 38.5, 39.6, 39.2 — -0.4

Legend: ■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019

Note: Numbers above bars are percentage point change 2018 to 2019. Numbers may not add precisely due to rounding. *Statistically significant at p < 0.05
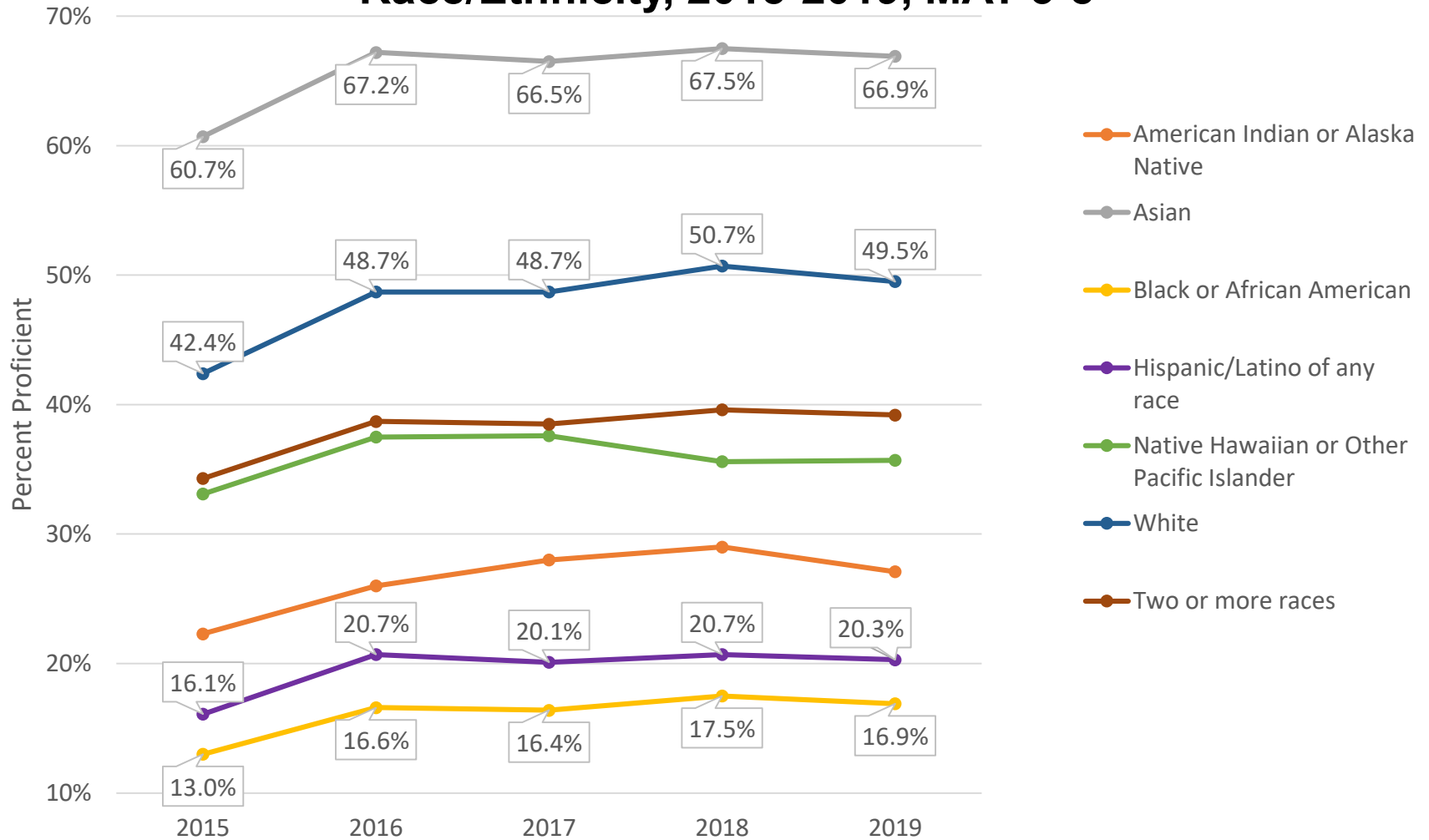
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Math 3-8:
Performance Level 4 or Higher by Service Group, 2015-2019

	Tested Count 2017	Tested Count 2018	Tested Count 2019
Students with Disabilities	42,281	43,566	44,746
English Learners	24,039	31,413	35,313
Free/Reduced Meals	160,556	172,847	169,314

State 33.0 (-1.1*)

Note: Eligibility to receive Free or Reduced Price Meals under the National School Lunch Program is determined through direct certification and may also include annual household applications.

Students with Disabilities
+0.3
5.6, 7.4, 7.3, 7.7, 8.0

English Learners
+0.5*
4.7, 8.4, 7.3, 9.5, 10.0

Free/Reduced Meals
-0.4*
12.9, 16.8, 16.3, 17.1, 16.5

Legend: ■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019

*Note: Numbers above bars are percentage point change 2018 to 2019. Numbers may not add precisely due to rounding. *Statistically significant at p < 0.05*

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Percent of Students at Performance Level 4 or Higher by Race/Ethnicity, 2015-2019, MAT 3-8

Percent of Students at Performance Level 4 or Higher by Service Group, 2015-2019, MAT 3-8
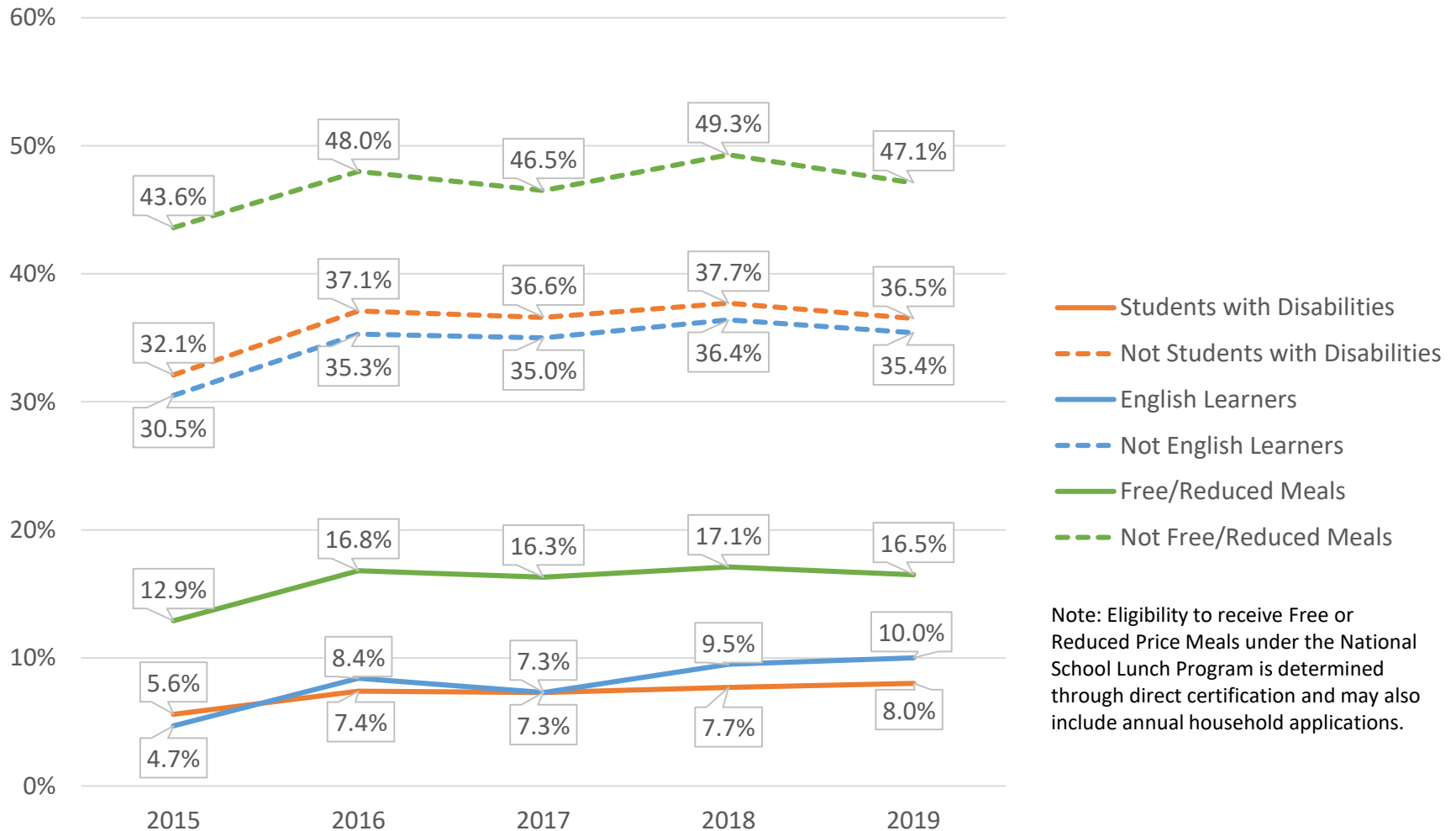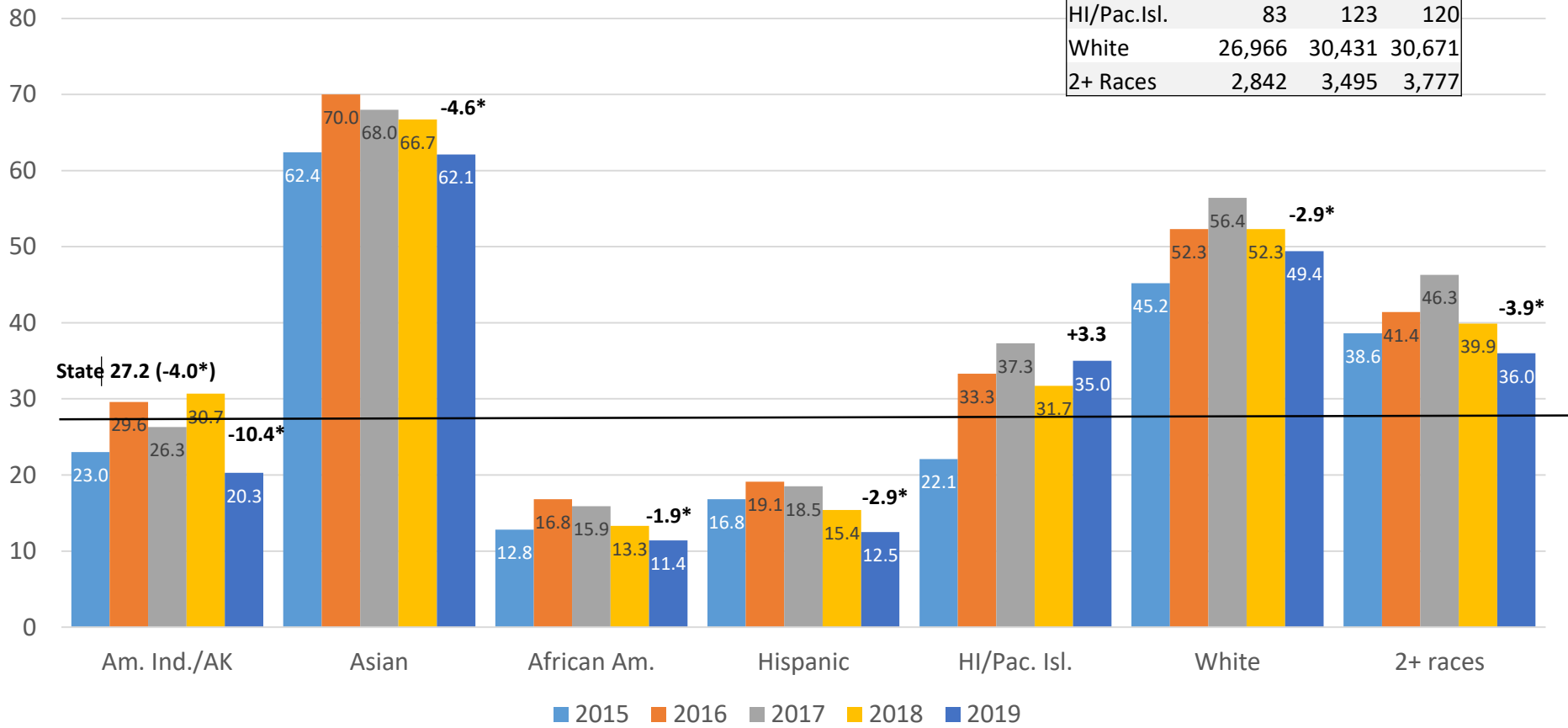
Percent of Students at Performance Level 4 or higher by gender, 2015-2019, Math 3-8

Male data: 28.3% (2015), 32.7% (2016), 32.6% (2017), 33.3% (2018), 32.7% (2019)

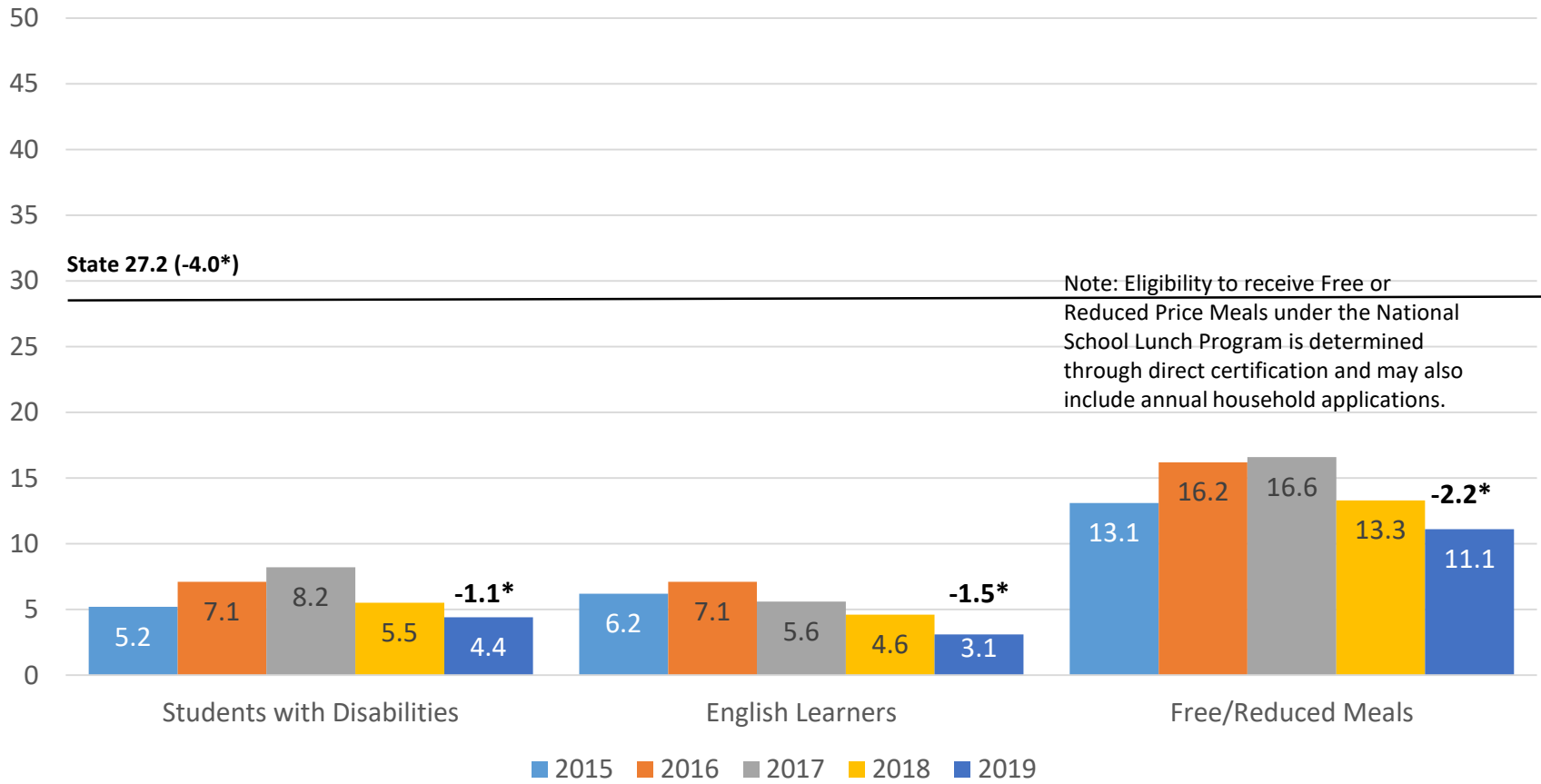Female data: 29.7% (2015), 34.9% (2016), 33.8% (2017), 35.0% (2018), 33.4% (2019)
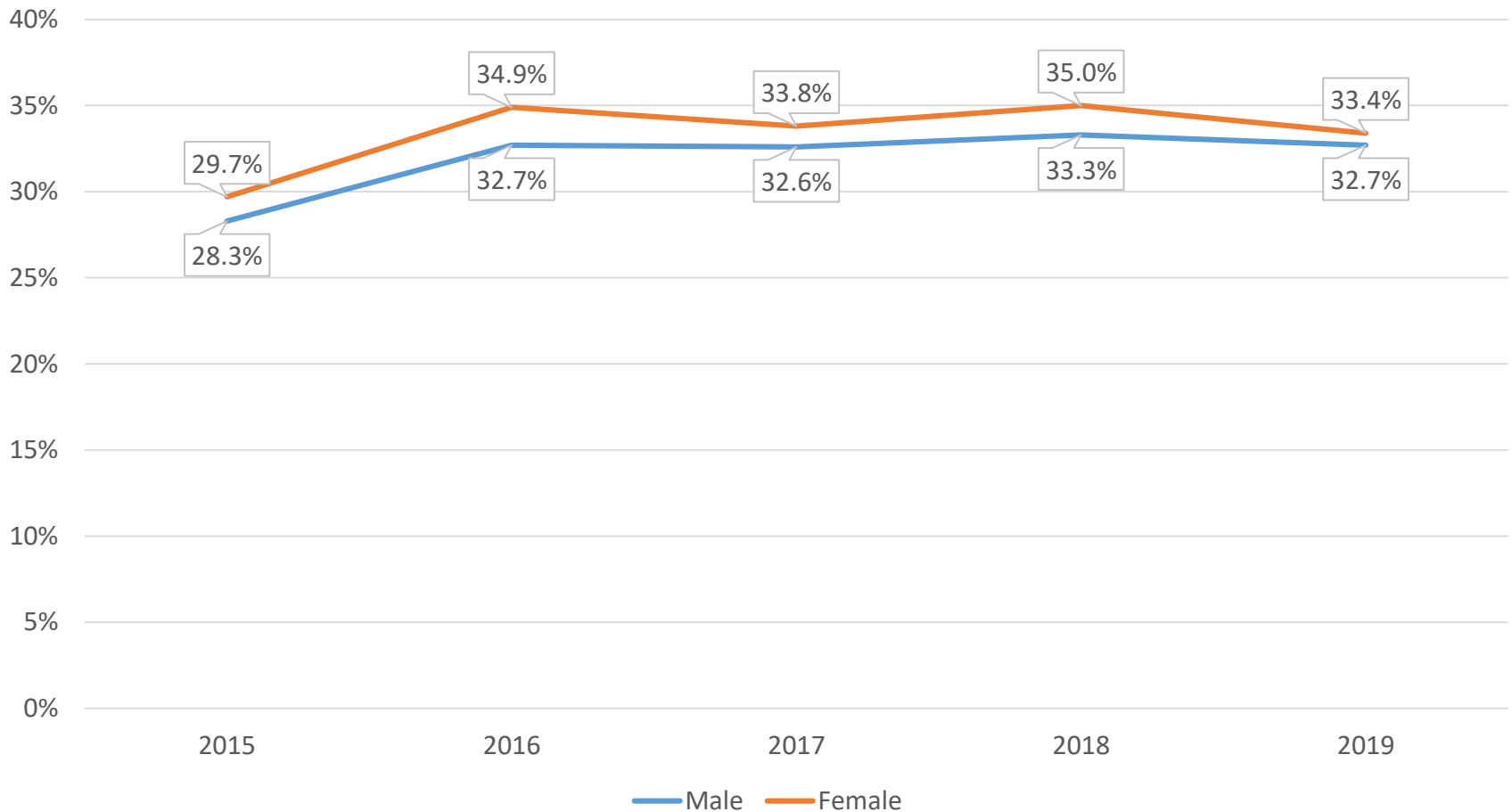
Algebra I:
Performance Level 4 or Higher by Race/Ethnicity, 2015-2019

	Tested Count 2017	Tested Count 2018	Tested Count 2019
AM.Ind/AK	179	202	256
Asian	4,787	5,516	5,522
African Am.	24,265	33,436	39,135
Hispanic	11,903	17,264	19,507
HI/Pac.Isl.	83	123	120
White	26,966	30,431	30,671
2+ Races	2,842	3,495	3,777

State 27.2 (-4.0*)

Am. Ind./AK: 23.0, 29.6, 26.3, 30.7, 20.3 — -10.4*
Asian: 62.4, 70.0, 68.0, 66.7, 62.1 — -4.6*
African Am.: 12.8, 16.8, 15.9, 13.3, 11.4 — -1.9*
Hispanic: 16.8, 19.1, 18.5, 15.4, 12.5 — -2.9*
HI/Pac. Isl.: 22.1, 33.3, 37.3, 31.7, 35.0 — +3.3
White: 45.2, 52.3, 56.4, 52.3, 49.4 — -2.9*
2+ races: 38.6, 41.4, 46.3, 39.9, 36.0 — -3.9*

■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019

30 State Board Meeting

*Note: Numbers above bars are percentage point change 2018 to 2019. Numbers may not add precisely due to rounding. *Statistically significant at p < 0.05*
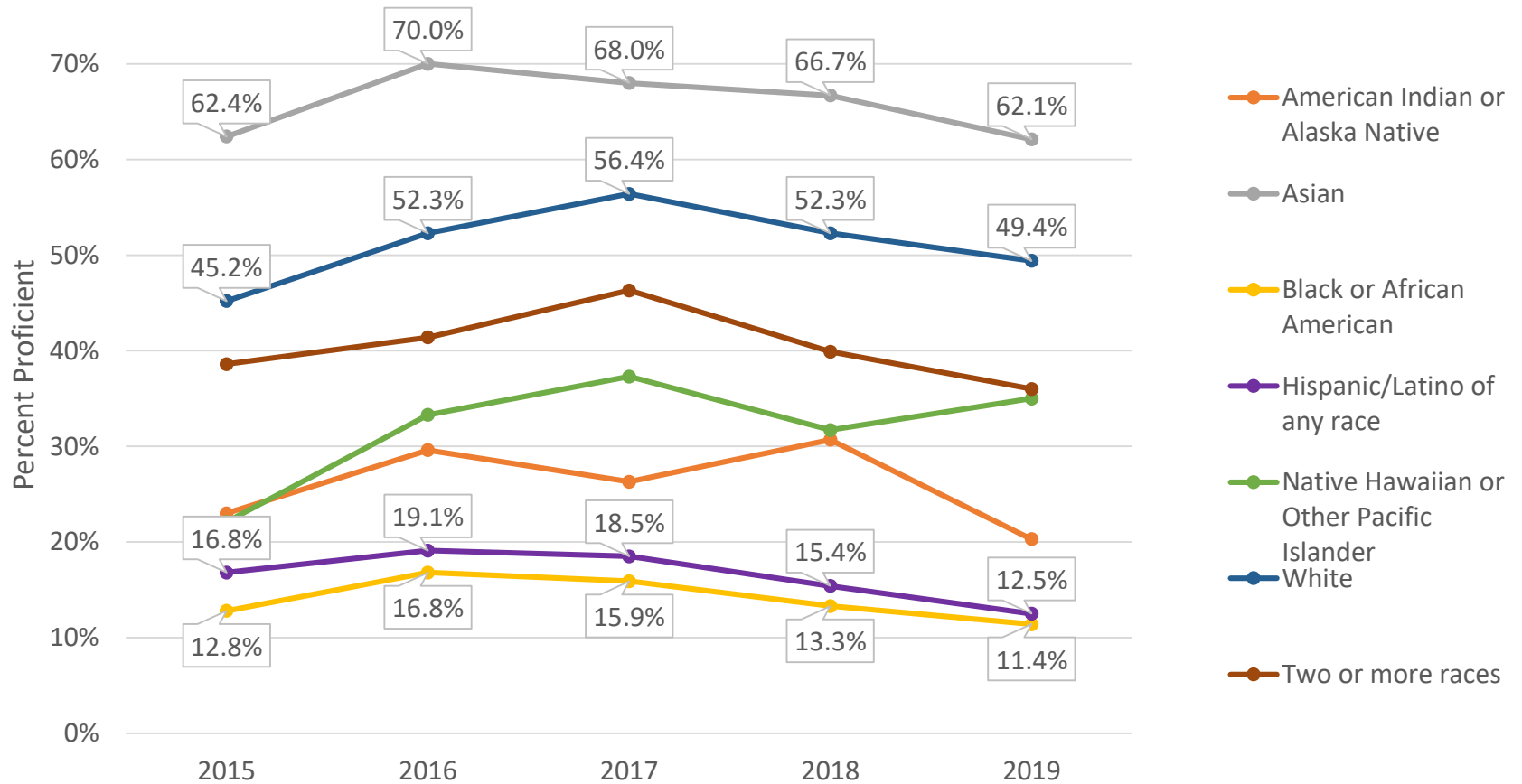
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Algebra 1:
Performance Level 4 or higher by Service Group, 2015-2019

	Tested Count 2017	Tested Count 2018	Tested Count 2019
Students with Disabilities	7,142	10,914	13,814
English Learners	5,425	8,962	9,930
Free/Reduced Meals	27,467	39,379	42,577

State 27.2 (-4.0*)

Note: Eligibility to receive Free or Reduced Price Meals under the National School Lunch Program is determined through direct certification and may also include annual household applications.

Students with Disabilities: 5.2, 7.1, 8.2, 5.5, 4.4 (-1.1*)

English Learners: 6.2, 7.1, 5.6, 4.6, 3.1 (-1.5*)

Free/Reduced Meals: 13.1, 16.2, 16.6, 13.3, 11.1 (-2.2*)

Legend: ■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019

*Note: Numbers above bars are percentage point change 2018 to 2019. Numbers may not add precisely due to rounding. *Statistically significant at p < 0.05*

Percent of Students at Performance Level 4 or Higher by Race/Ethnicity, 2015-2019, Algebra 1

Percent of Students at Performance Level 4 or Higher by Service Group, 2015-2019, Algebra 1
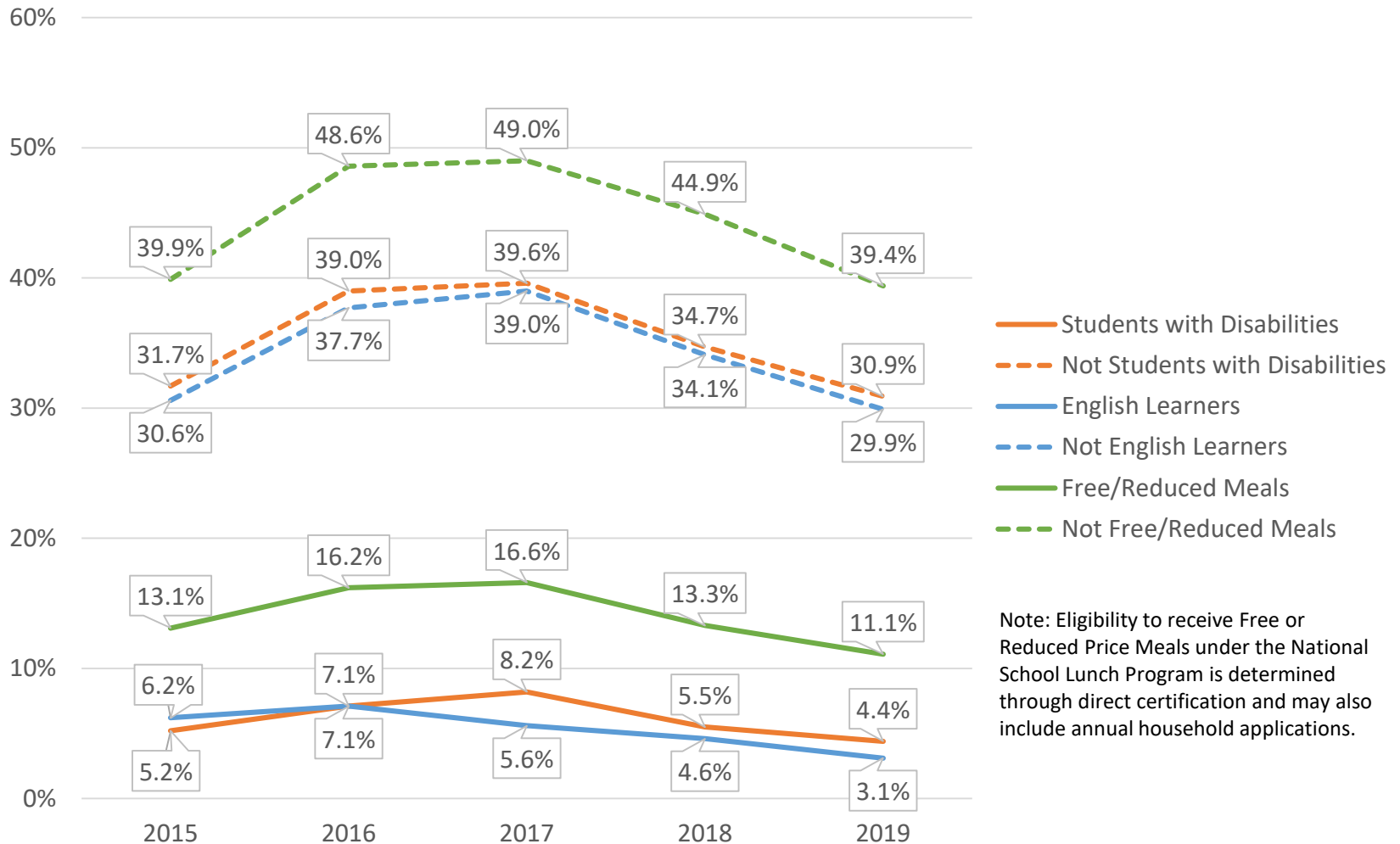
Note: Eligibility to receive Free or Reduced Price Meals under the National School Lunch Program is determined through direct certification and may also include annual household applications.

Percent of Students at Performance Level 4 or Higher by Gender, 2015-2019, Algebra I