

2021-22 Assessment Results

PARCC and MSAA

Context

- Students were assessed in the 2021-22 school year for the first time since the 2018-19 school year.
- For roughly half of the students, this was their first time taking a standardized statewide assessment. And this may have impacted the results
- During this period between statewide assessments, students experienced interrupted learning.
- While students were learning in person for the 2021-22 school year, they returned to the classroom facing significant mental health and social-emotional challenges which impacted learning.
- In response to the pandemic, nearly \$1 billion of federal stimulus funds have been directed to support the recovery and restoration of our public education and child care sectors in the District. OSSE is responsible for overseeing these multi-year investments that will support the District through this recovery period.





Key Takeaways



Key Takeaways

- Despite attendance challenges experienced across age groups, more than 94 percent of expected test takers participated in assessments.
- The data reinforce our recovery and restoration work and investments and will drive decision making going forward.
- We now have a clearer picture of where our students need the most help.
- As national and local trends suggested prior to assessment administration, results show students already farthest from opportunity before the pandemic also experienced the largest setbacks in proficiency.



2021-22 Assessment Participation

At-a-Glance: Assessment Participation

- Eligible students in high school had lower participation than eligible students in middle or elementary school.
- The participation rate decrease from 2019 was more pronounced in high school compared to grades 3-8.
- 41 schools had all or nearly all students participate in ELA assessments.
- 50 schools had all or nearly all students participate in math assessments.



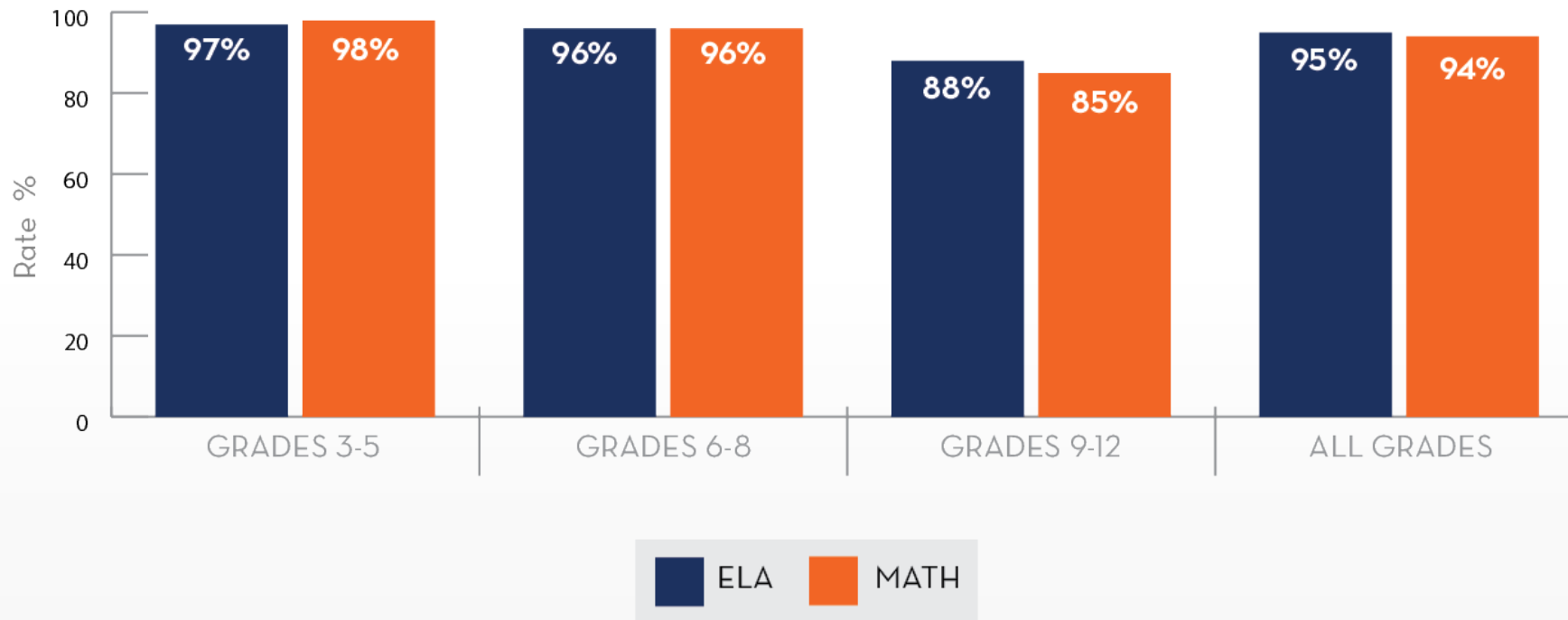
Statewide Assessment Student Universe and Participation

	PARCC		MSAA		All	
	ELA	Math	ELA	Math	ELA	Math
Eligible participants	45974	45525	379	379	46353	45904
Actual participants	43602	43012	331	331	43933	43343
Participation rate	94.84%	94.48%	87.34%	87.34%	94.78%	94.42%



Eligible students in high school had lower participation than eligible students in middle or elementary school.

PARCC and MSAA participation by subjects and framework





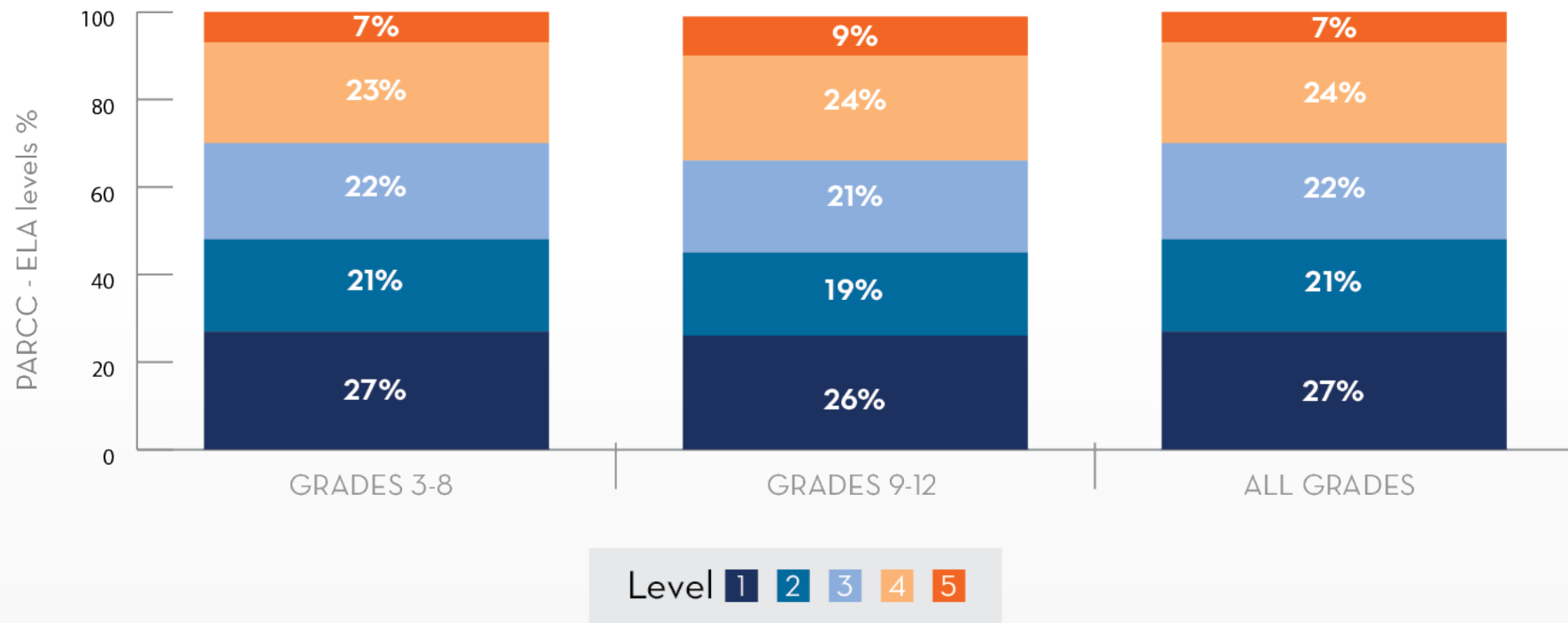
2021-22 Assessment Performance Summary

At-a-Glance: Assessment Performance Summary

- We saw decreases in ELA proficiency rates, particularly in earlier grades.
- The math proficiency rate dropped substantially across all grades.
- In math, 60 percent of students scored a Level 1 or 2 on the PARCC Assessment; 48 percent did so in ELA, indicating they are performing significantly below grade level.
- Assessment score distribution varies significantly across race and ethnicity.
- Black/African American and Hispanic/Latino students saw the largest decrease in proficiency rates on ELA assessments.
- Math proficiency decreased by more than 10 percentage points for most race/ethnicity groups.
- The proficiency rate of at-risk students decreased more than the rate of not at-risk students, in both math and ELA.

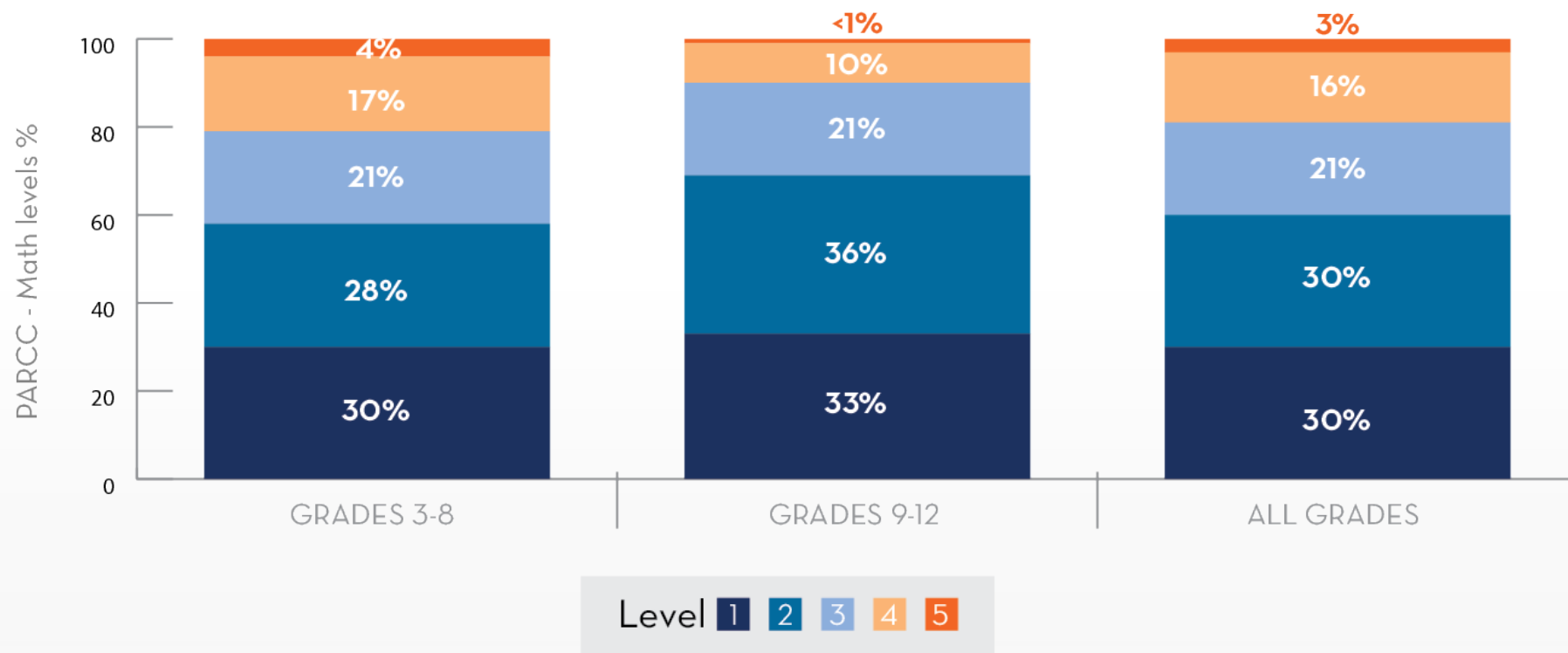
31 percent of students who took the ELA PARCC assessment were on- or above-grade level.

PARCC - ELA levels, 2021-22



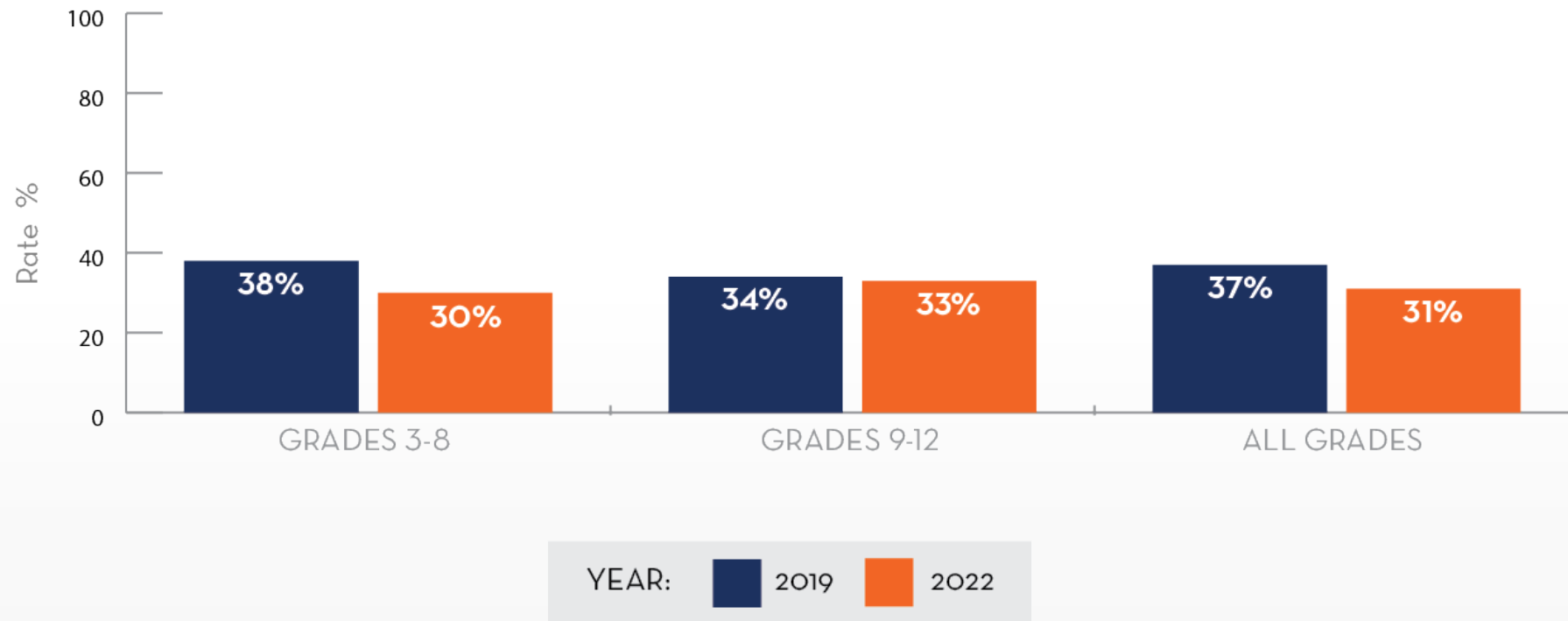
19 percent of students who took the Math PARCC assessment were on- or above-grade level.

PARCC - Math levels, 2021-22



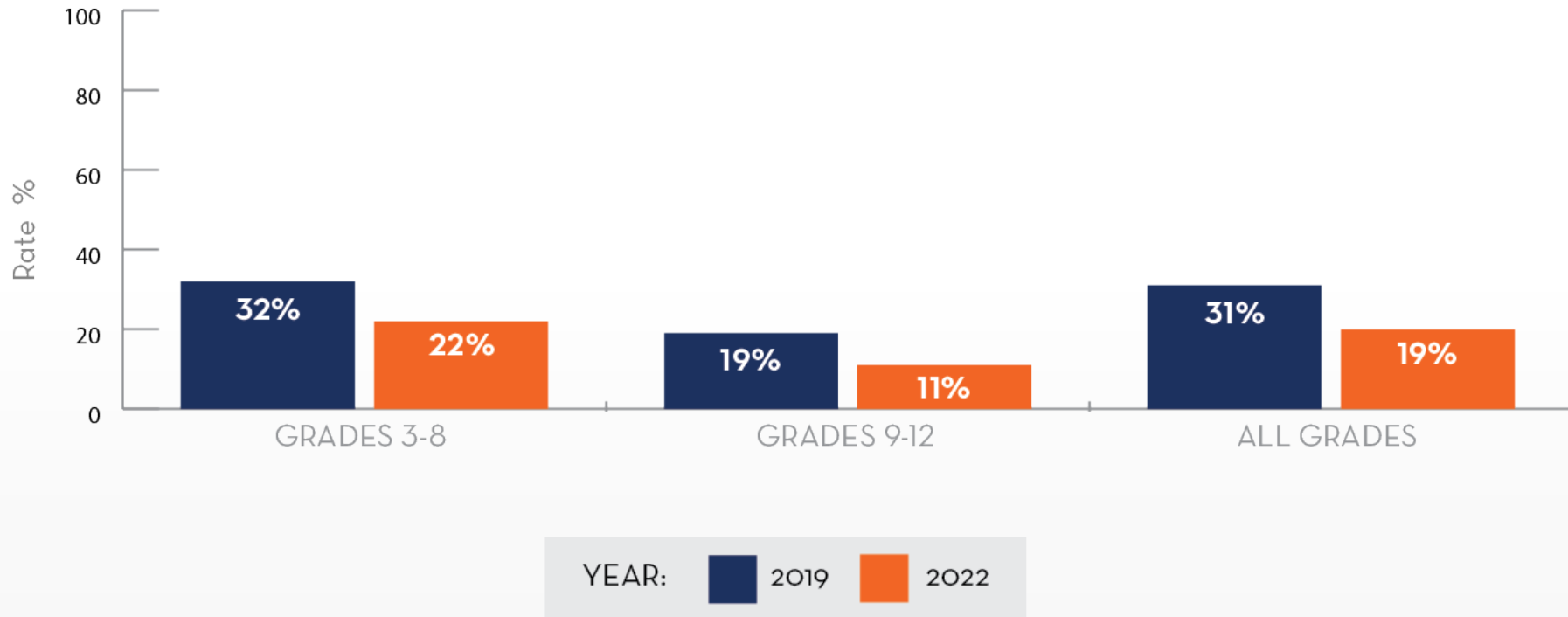
Fewer students were proficient in ELA in 2022 than in 2019. Drops in proficiency rates were particularly pronounced in lower grades.

ELA proficiency rate by grade and years



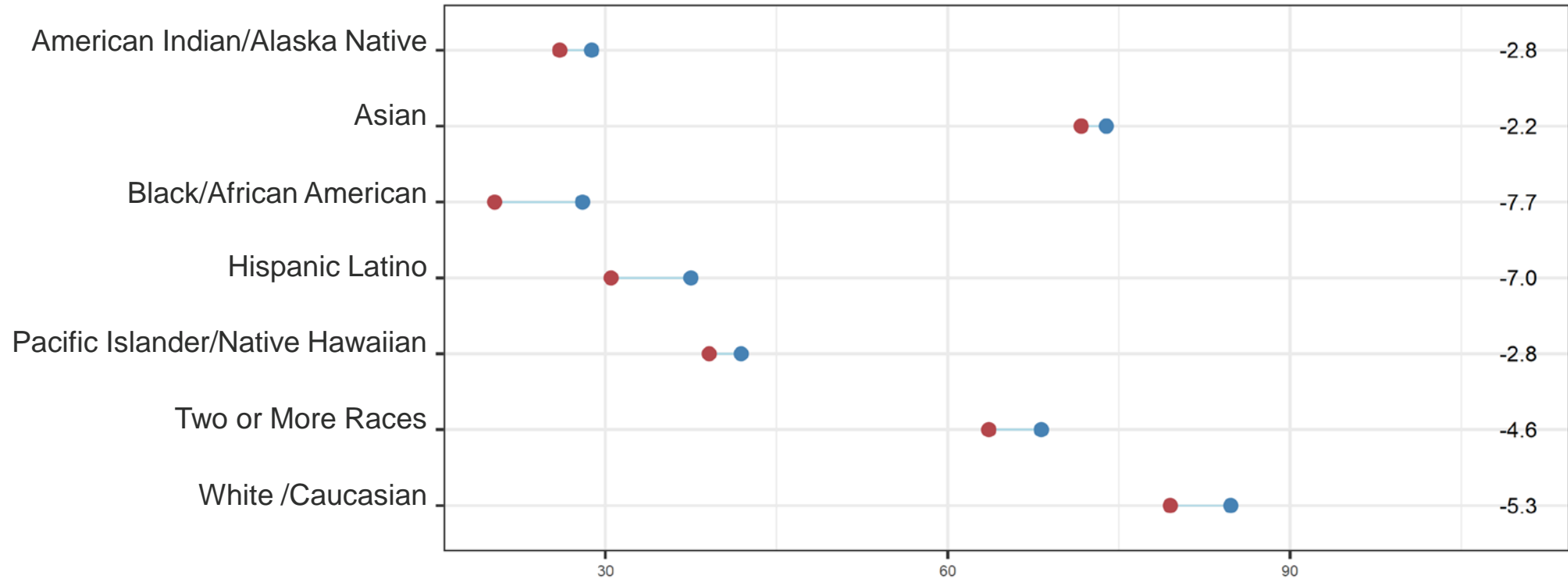
The math proficiency rate dropped significantly across all grades.

MATH proficiency rate by grade and years



Black/African American and Hispanic/Latino students saw the largest decrease in proficiency rates on ELA assessments.

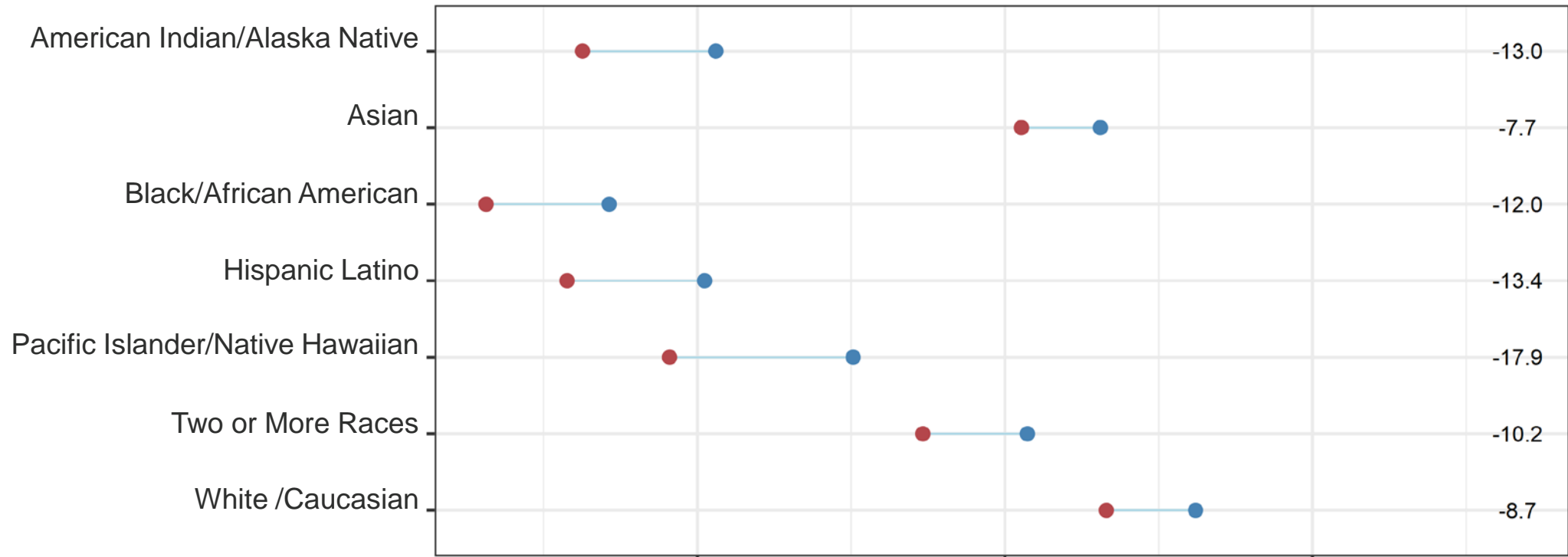
PARCC and MSAA – ELA proficiency rate change by race/ethnicity



Blue points represent 2018-19
Red points represent 2021-22

Math proficiency decreased by more than 10 percentage points for most race/ethnicity groups.

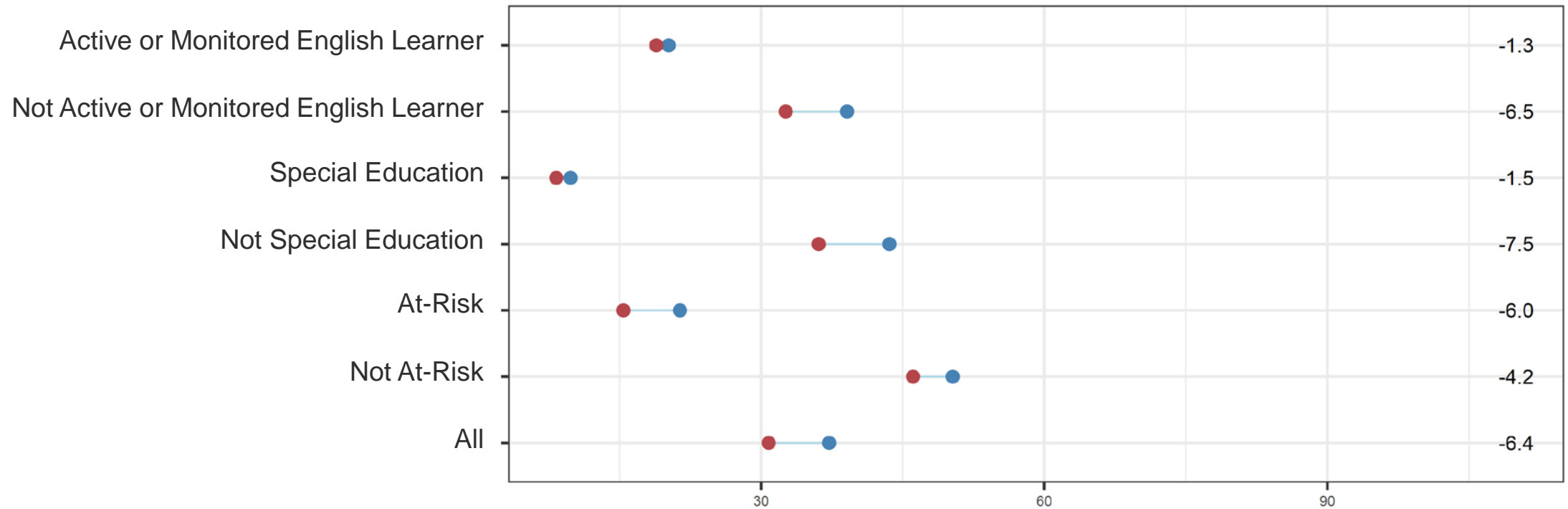
PARCC and MSAA – Math proficiency rate change by race/ethnicity



Blue points represent 2018-19
Red points represent 2021-22

ELA proficiency rate decreased by 6 percentage points between 2019 and 2022 for students who are at-risk.

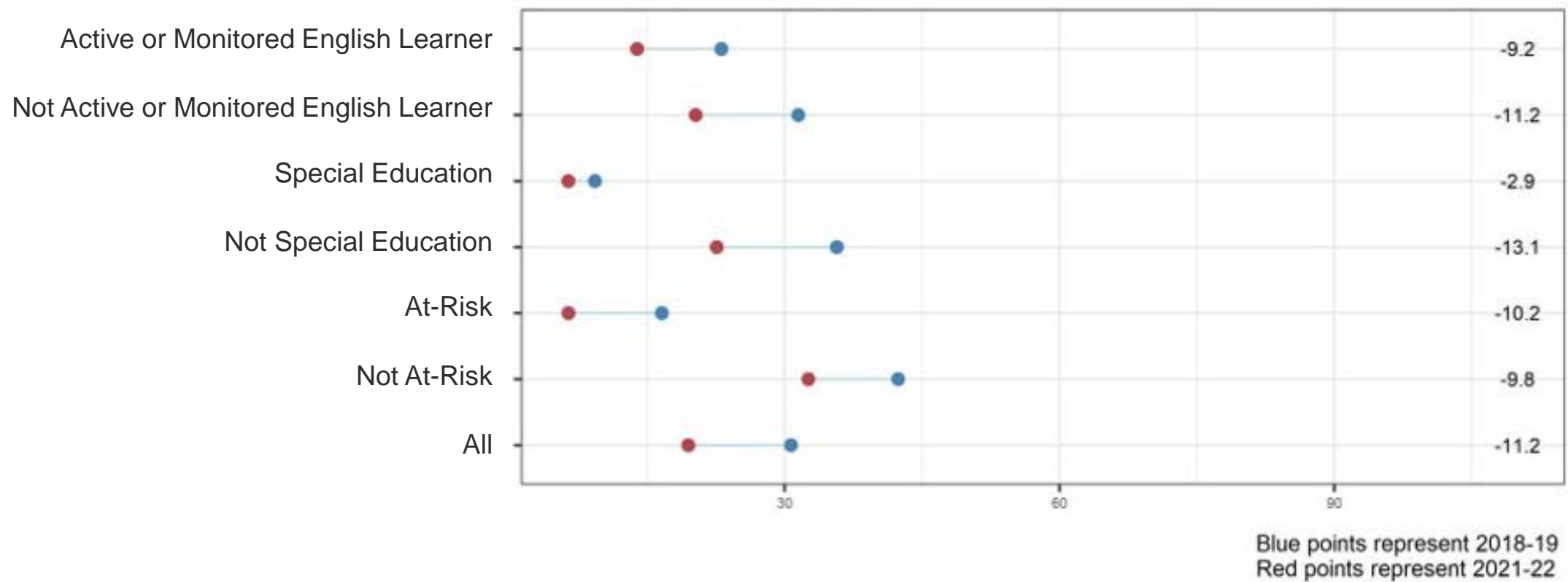
PARCC and MSAA – ELA proficiency rate change by specific groups of students



Blue points represent 2018-19
Red points represent 2021-22

Math proficiency rate decreased by 10 percentage points between 2019 and 2022 for students who are at-risk.

PARCC and MSAA – Math proficiency rate change by specific groups of students





Cohort Analysis

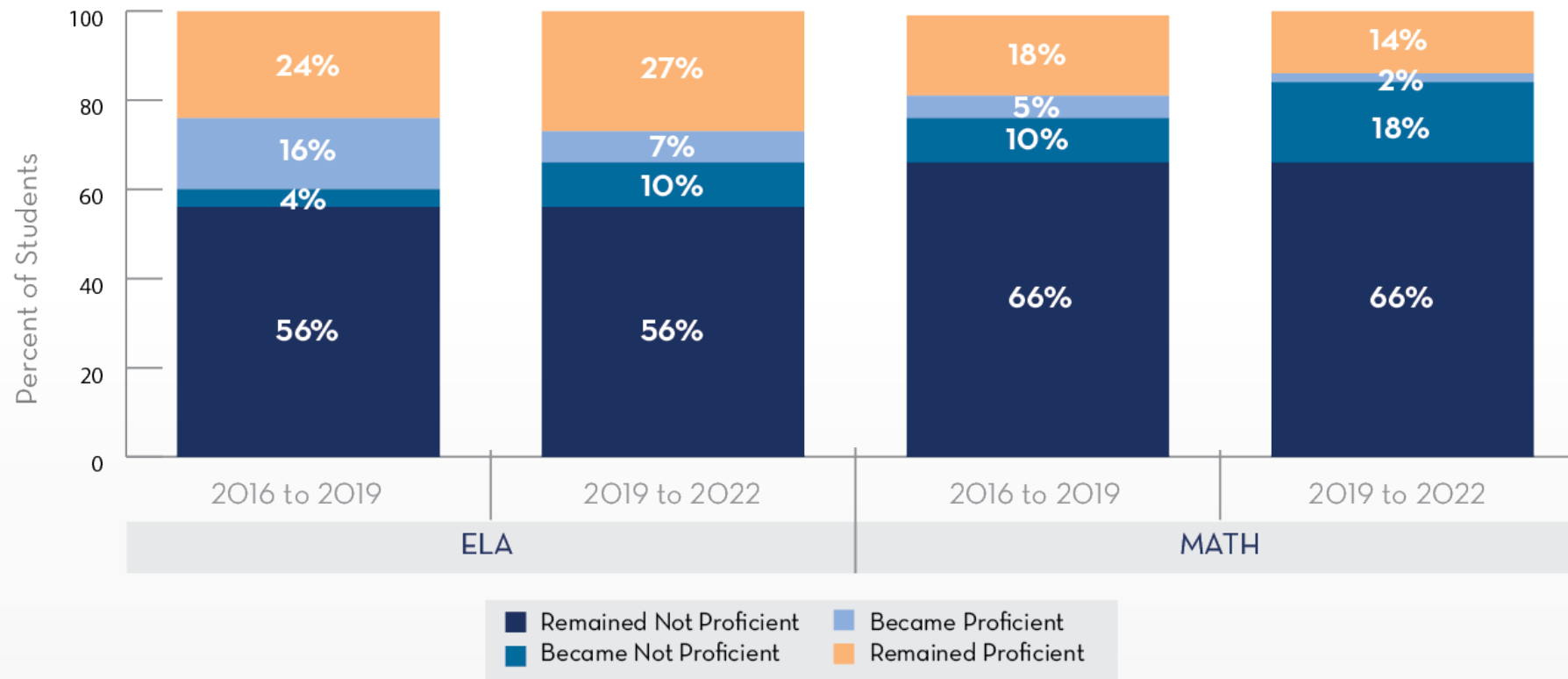


Cohort Analysis

To better understand the effect of the pandemic on learning outcomes, OSSE explored the change in proficiency status among students who tested in both 2019 and 2022, and progressed along the standard grade trajectory (e.g., student was in third grade in 2019 and sixth grade in 2022). OSSE has conducted similar band analysis in previous years.

Patterns in proficiency rate changes were significantly different between 2016 to 2019 and 2019 to 2022.

Changes in Proficiency Rates, 2016 to 2019 and 2019 to 2022





Recovery Investments

Statewide Recovery Investments are Responsive to Assessment Results



Accelerate Learning



Improve Outcomes for Students with Disabilities



Promote Student & Staff Wellbeing



Support a Safe Reopening



Stabilize & Strengthen Early Childhood Education



Reimagine Pathways for Postsecondary Success



Invest in Core Infrastructure & Operations



- Readers Next Door
- Secondary Math





Accelerate
Learning

- High-impact tutoring
- New Curriculum
- Additional Staffing





Office of the State
Superintendent of Education

- Expand Access to High-Impact Tutoring
- Scale Literacy Training Grounded in the Science of Reading
- Expand Access to Professional Development for Math Instruction



Accelerate Learning

High-Impact Tutoring Investment

\$40 million to serve 8,000 students through the 2023-24 school year



Support a Safe Reopening



Promote Student & Staff Wellbeing



Improve Outcomes for Students with Disabilities

-
- Support Layered Mitigation Strategies
 - Fund Reopening Needs
 - Invest in Educator and Leader Wellness
 - Strengthen School Culture and Climate
 - Address Student Mental Health Needs
 - Launch a Family Resource Center for Students with Disabilities
 - Incentivize Gen Ed Teachers to Complete Special Education Coursework
 - Provide Comprehensive Trainings to Educators

A Multi-Year Recovery

- The data reinforce that we have **invested strategically in core areas of need.**
- Preliminary data from PARCC and other LEA assessments suggest that **when schools were open, students experienced growth.**
- These multi-year investments will support the District through this recovery period.





Appendices

Appendix summary (part 1)

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2. State Advanced Grades 7 and 8 Results by Enrolled Grade and Test
3. State Grades 9-12 Results by Enrolled Grade and Test
4. State Results by Race/Ethnicity
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1. State Grades 3-8 Results by Test, 2022

Tested Grade	State ELA % Met or Exceeded Expectations	State Math % Met or Exceeded Expectations
Enrolled 3-8	30%	22%
Grade 3 Test	25%	28%
Grade 4 Test	30%	23%
Grade 5 Test	31%	22%
Grade 6 Test	29%	17%
Grade 7 Test	36%	21%
Grade 8 Test	32%	11%

2. State Advanced Grades 7 and 8 Results by Enrolled Grade and Test, 2022

Enrolled Grade - Test	State ELA % Met or Exceeded Expectations	State Math % Met or Exceeded Expectations
Seventh Grade – All tests	36%	22%
Seventh Grade – Grade 7	36%	21%
Seventh Grade – Algebra I	n/a	70%
Eighth Grade – All tests	32%	16%
Eighth Grade – Grade 8	32%	11%
Eighth Grade – Algebra I	n/a	29%
Eighth Grade - Geometry	n/a	86%

3. State Grades 9-12 Results by Enrolled Grade and Test, 2022

Tested Grade	State ELA % Met or Exceeded Expectations	State Math % Met or Exceeded Expectations
Grades 9-12 – All tests	33%	11%
Grades 9-12 - English I	32%	
Grades 9-12- English II	35%	
Grades 9-12 – Algebra I		9%
Grades 9-12– Geometry		10%
Grades 9-12 – Algebra II		57%

4. State Results by Race/Ethnicity, 2022

Race/Ethnicity	State ELA % Met or Exceeded Expectations	State Math % Met or Exceeded Expectations
All Students	31%	19%
American Indian or Alaskan Native	26%	19%
Asian	72%	62%
Black/African American	20%	9%
Hispanic/Latino of any race	31%	17%
Native Hawaiian or Other Pacific Islander	39%	27%
Two or More Races	64%	52%
White/Caucasian	79%	70%

5. State Results by Student Group, 2022

Student Group	State ELA % Met or Exceeded Expectations	State Math % Met or Exceeded Expectations
All Students	31%	19%
At-Risk	15%	6%
English Learners	19%	14%
Homeless	13%	6%
Students with Disabilities	8%	6%
Female	36%	19%
Male	25%	20%

6. State Results by Race and Gender, 2022

Race/Ethnicity	State ELA % Met or Exceeded Expectations	State Math % Met or Exceeded Expectations
All Students	31%	19%
Female-American Indian or Alaska Native	27%	17%
Female-Asian	76%	62%
Female-Black/African American	25%	10%
Female-Hispanic/Latino of any race	37%	16%
Female-Native Hawaiian or Other Pacific Islander	n<10	n<10
Female-Two or More Races	71%	53%
Female-White/Caucasian	86%	68%
Male-American Indian or Alaska Native	25%	21%
Male-Asian	67%	62%
Male-Black/African American	15%	9%
Male-Hispanic/Latino of any race	25%	19%
Male-Native Hawaiian or Other Pacific Islander	33%	29%
Male-Two or More Races	57%	51%
Male-White/Caucasian	73%	72%

7. Participation Rates for State and Sector, 2022

Grade	ELA			Math		
	<i>State</i>	<i>PCS</i>	<i>DCPS</i>	<i>State</i>	<i>PCS</i>	<i>DCPS</i>
All	95%	97%	93%	94%	97%	93%
Grade 3	97%	98%	97%	97%	98%	97%
Grade 4	98%	98%	97%	98%	98%	98%
Grade 5	98%	99%	97%	98%	99%	97%
Grade 6	97%	98%	96%	97%	98%	96%
Grade 7	97%	98%	96%	96%	97%	95%
Grade 8	95%	98%	93%	95%	98%	93%
Grades 3-8	97%	98%	96%	97%	98%	96%
Grades 9-12	87%	92%	85%	85%	92%	81%

8. Overall Results by School Ward, 2022

Ward	State ELA % Met or Exceeded Expectations	State Math % Met or Exceeded Expectations
All Students	31%	19%
Ward 1	26%	13%
Ward 2	63%	42%
Ward 3	68%	56%
Ward 4	33%	21%
Ward 5	26%	15%
Ward 6	33%	20%
Ward 7	17%	8%
Ward 8	12%	6%

9. ELA Grades 3-8 Results by Test & Sector, 2022

Tested Grade	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS % Met or Exceeded Expectations
Enrolled 3-8	30%	25%	35%
Grade 3 Test	25%	17%	31%
Grade 4 Test	30%	21%	37%
Grade 5 Test	31%	23%	36%
Grade 6 Test	29%	26%	32%
Grade 7 Test	36%	34%	38%
Grade 8 Test	32%	30%	33%

10. Math Grades 3-8 Results by Test & Sector, 2022

Tested Grade	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS % Met or Exceeded Expectations
Enrolled 3-8	22%	17%	25%
Grade 3 Test	28%	20%	34%
Grade 4 Test	23%	14%	29%
Grade 5 Test	22%	18%	26%
Grade 6 Test	17%	13%	21%
Grade 7 Test	21%	21%	22%
Grade 8 Test	11%	15%	6%

11. Math Advanced Grades 7-8 Results by Test & Sector, 2022

Enrolled Grade - Test	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS % Met or Exceeded Expectations
Seventh Grade – All tests	22%	21%	23%
Seventh Grade – Grade 7	21%	21%	22%
Seventh Grade – Algebra I	70%	n<10	69%
Eighth Grade – All tests	16%	17%	16%
Eighth Grade – Grade 8	11%	15%	6%
Eighth Grade – Algebra I	29%	24%	31%
Eighth Grade - Geometry	86%	82%	86%

12. ELA Grades 9-12 Results by Test & Sector, 2022

Enrolled Grade - Test	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS % Met or Exceeded Expectations
Grades 9-12 - All	33%	27%	38%
Grades 9-12 – English I	31%	25%	36%
Grades 9-12 – English II	35%	28%	40%

13. Math Grades 9-12 Results by Test & Sector, 2022

Enrolled Grade - Test	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS % Met or Exceeded Expectations
Grades 9-12 - All	11%	10%	11%
Grades 9-12 – Algebra I	9%	8%	11%
Grades 9-12– Geometry	10%	8%	9%
Grades 9-12 – Algebra II	57%	61%	53%

14. ELA Overall Sector Results by Race/Ethnicity, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	31%	25%	36%
American Indian or Alaska Native	26%	26%	27%
Asian	72%	69%	73%
Black/African American	20%	19%	22%
Hispanic/Latino of any race	31%	28%	32%
Native Hawaiian or Other Pacific Islander	39%	n<10	44%
Two or More Races	64%	54%	72%
White/Caucasian	79%	72%	83%



15. ELA Overall Sector Results by Student Group, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	31%	25%	36%
At-Risk	15%	15%	16%
English Learners	19%	16%	20%
Homeless	13%	13%	13%
Students with Disabilities	8%	7%	10%
Female	36%	31%	41%
Male	25%	20%	30%

16. ELA Overall Sector Results by Race and Gender, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % 4+	DCPS % 4+
All Students	31%	25%	36%
Female-American Indian or Alaskan Native	27%	n<10	24%
Female-Asian	76%	76%	76%
Female-Black/African American	25%	24%	27%
Female-Hispanic/Latino of any race	37%	34%	38%
Female-Native Hawaiian or Other Pacific Islander	n<10	n<10	n<10
Female-Two or More Races	71%	60%	79%
Female-White/Caucasian	86%	80%	89%
Male-American Indian or Alaskan Native	25%	20%	31%
Male-Asian	67%	62%	70%
Male-Black/African American	15%	14%	17%
Male-Hispanic/Latino of any race	25%	23%	26%
Male-Native Hawaiian or Other Pacific Islander	33%	n<10	42%
Male-Two or More Races	57%	48%	66%
Male-White/Caucasian	73%	63%	77%

17. Math Overall Sector Results by Race/Ethnicity, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	19%	16%	23%
American Indian or Alaska Native	19%	26%	14%
Asian	62%	56%	64%
Black/African American	9%	10%	9%
Hispanic/Latino of any race	17%	15%	19%
Native Hawaiian or Other Pacific Islander	27%	n<10	35%
Two or More Races	52%	44%	60%
White/Caucasian	70%	65%	72%



18. Math Overall Sector Results by Student Group, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	19%	16%	23%
At-Risk	6%	7%	6%
English Learners	14%	12%	15%
Homeless	6%	6%	6%
Students with Disabilities	6%	5%	8%
Female	19%	16%	22%
Male	20%	16%	23%

19. Math Overall Sector Results by Race and Gender, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS % Met or Exceeded Expectations
All Students	19%	16%	23%
Female-American Indian or Alaska Native	17%	n<10	7%
Female-Asian	62%	47%	68%
Female-Black/African American	10%	11%	9%
Female-Hispanic/Latino of any race	16%	13%	18%
Female-Native Hawaiian or Other Pacific Islander	n<10	n<10	n<10
Female-Two or More Races	53%	45%	60%
Female-White/Caucasian	68%	62%	71%
Male-American Indian or Alaska Native	21%	20%	23%
Male-Asian	62%	64%	61%
Male-Black/African American	9%	9%	9%
Male-Hispanic/Latino of any race	19%	17%	19%
Male-Native Hawaiian or Other Pacific Islander	29%	n<10	36%
Male-Two or More Races	51%	43%	59%
Male-White/Caucasian	72%	68%	73%

20. ELA Grades 3-8 Sector Results by Race/Ethnicity, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	30%	25%	35%
American Indian or Alaskan Native	28%	31%	26%
Asian	71%	67%	72%
Black/African American	19%	19%	20%
Hispanic/Latino of any race	30%	27%	31%
Native Hawaiian or Other Pacific Islander	47%	n<10	50%
Two or More Races	63%	52%	72%
White/Caucasian	80%	71%	83%

21. ELA Grades 3-8 Sector Results by Student Group, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	30%	25%	35%
At-Risk	14%	14%	14%
English Learners	20%	17%	22%
Homeless	13%	13%	12%
Students with Disabilities	9%	7%	10%
Female	35%	31%	39%
Male	25%	20%	30%

22. ELA Grades 9-12 Sector Results by Race/Ethnicity, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	33%	27%	38%
American Indian or Alaskan Native	20%	n<10	n<10
Asian	75%	77%	75%
Black/African American	25%	20%	30%
Hispanic/Latino of any race	33%	31%	34%
Native Hawaiian or Other Pacific Islander	n<10	n<10	n<10
Two or More Races	69%	62%	75%
White/Caucasian	79%	78%	80%

23. ELA Grades 9-12 Sector Results by Student Group, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	33%	27%	38%
At-Risk	20%	17%	23%
English Learners	11%	10%	11%
Homeless	15%	15%	15%
Students with Disabilities	8%	6%	10%
Female	40%	33%	45%
Male	27%	21%	31%

24. Math Grades 3-8 Sector Results by Race/Ethnicity, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	22%	17%	25%
American Indian or Alaskan Native	23%	31%	18%
Asian	66%	60%	69%
Black/African American	10%	11%	10%
Hispanic/Latino of any race	19%	17%	20%
Native Hawaiian or Other Pacific Islander	29%	n<10	36%
Two or More Races	55%	45%	64%
White/Caucasian	73%	66%	77%

25. Math Grades 3-8 Sector Results by Student Group, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	22%	17%	25%
At-Risk	7%	8%	6%
English Learners	15%	13%	17%
Homeless	6%	6%	6%
Students with Disabilities	7%	6%	9%
Female	21%	17%	24%
Male	22%	17%	26%

26. Math Grades 9-12 Sector Results by Race/Ethnicity, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	11%	10%	11%
American Indian or Alaskan Native	n<10	n<10	n<10
Asian	39%	38%	39%
Black/African American	6%	5%	7%
Hispanic/Latino of any race	11%	10%	11%
Native Hawaiian or Other Pacific Islander	n<10	n<10	n<10
Two or More Races	33%	38%	25%
White/Caucasian	45%	60%	38%

27. Math Grades 9-12 Sector Results by Student Group, 2022

Race/Ethnicity	State % Met or Exceeded Expectations	PCS % Met or Exceeded Expectations	DCPS% Met or Exceeded Expectations
All Students	11%	10%	11%
At-Risk	5%	4%	5%
English Learners	4%	3%	5%
Homeless	3%	2%	3%
Students with Disabilities	3%	2%	4%
Female	12%	10%	13%
Male	10%	10%	10%