

2023 Spring MCAS Released Results

Milton Public Schools

10/4/2023

Prepared by Vy Vu, Director of Data & Analytics

Statewide Release

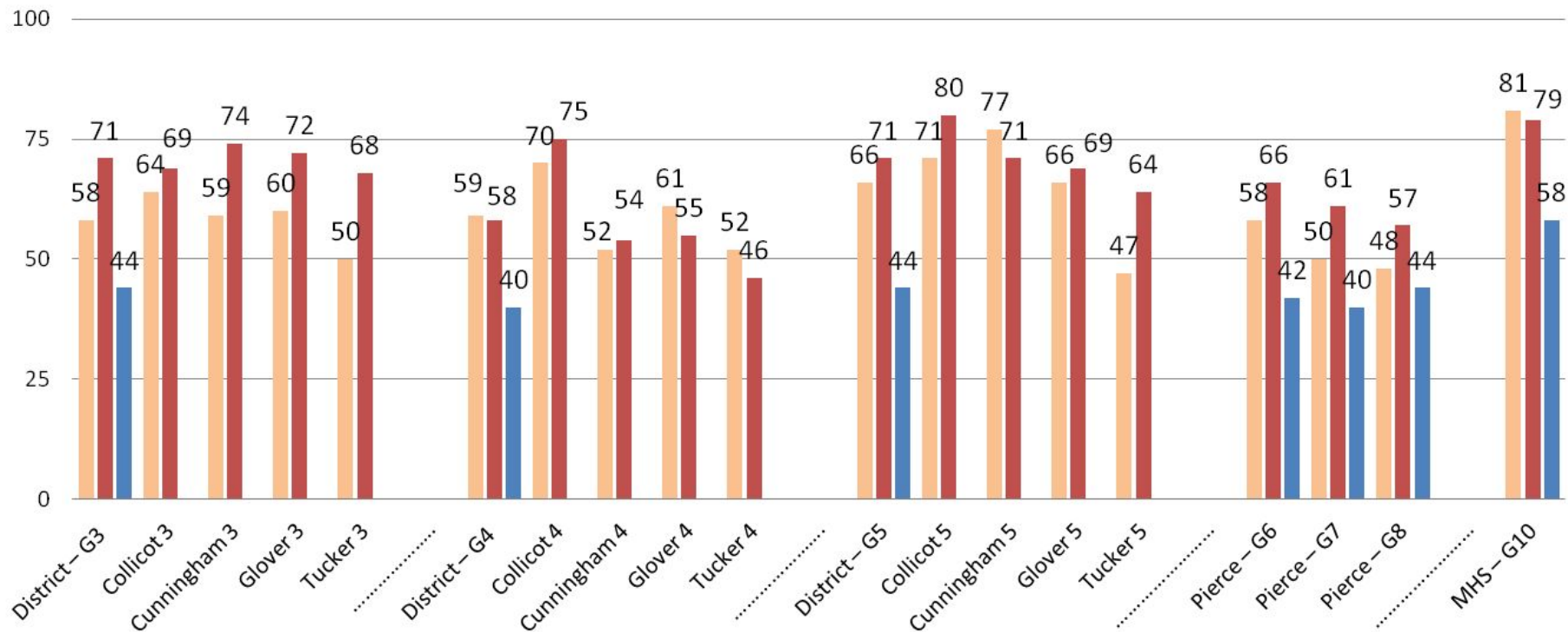
- Official MCAS results were released to the public by the Department of Elementary and Secondary Education (DESE) on September 19, 2023.
 - The District will send home individual student MCAS reports to families once we receive them from the state on September 29.
 - All data in this presentation was pulled from the public release on DESE's [website](#).
- MCAS testing has been variable in the past 5 years, so take that into consideration when making comparisons between years.
 - 2019: Full MCAS testing
 - 2020: No MCAS testing
 - 2021: MCAS testing remote and in-person for hybrid schooling; only half the length for grades 3-8
 - 2022: Full in-person MCAS testing for this “back to normal” school year - new post-pandemic baseline year
 - 2023: Full MCAS testing

Preliminary MPS Takeaways

- Statewide ELA and Math results indicate a halt in the pandemic slide and recovery is underway, albeit there are still significant gaps to get back to 2019 levels.
- In Milton, results indicate that we are making progress toward closing the unfinished learning gaps, particularly for our youngest learners.
 - In ELA, our 3rd graders achieved a 13 percentage points gain of those meeting or exceeding expectations over last year while the state stayed flat. Other grades made performance gains as well, while grades 4 and 10 stayed relatively leveled.
 - In Math, our third graders also achieved the biggest gain over last year with 9 percentage points. With the exception of a dip in grade 7 math and leveled performance in grade 4, other grades are also seeing gains.
 - In Science, we are seeing a 5 percentage points gain in grade 8, and leveled performance in grades 5 and 10.
- Milton continues to outperform the state in all subjects and grade levels and making bigger recovery gains as well.

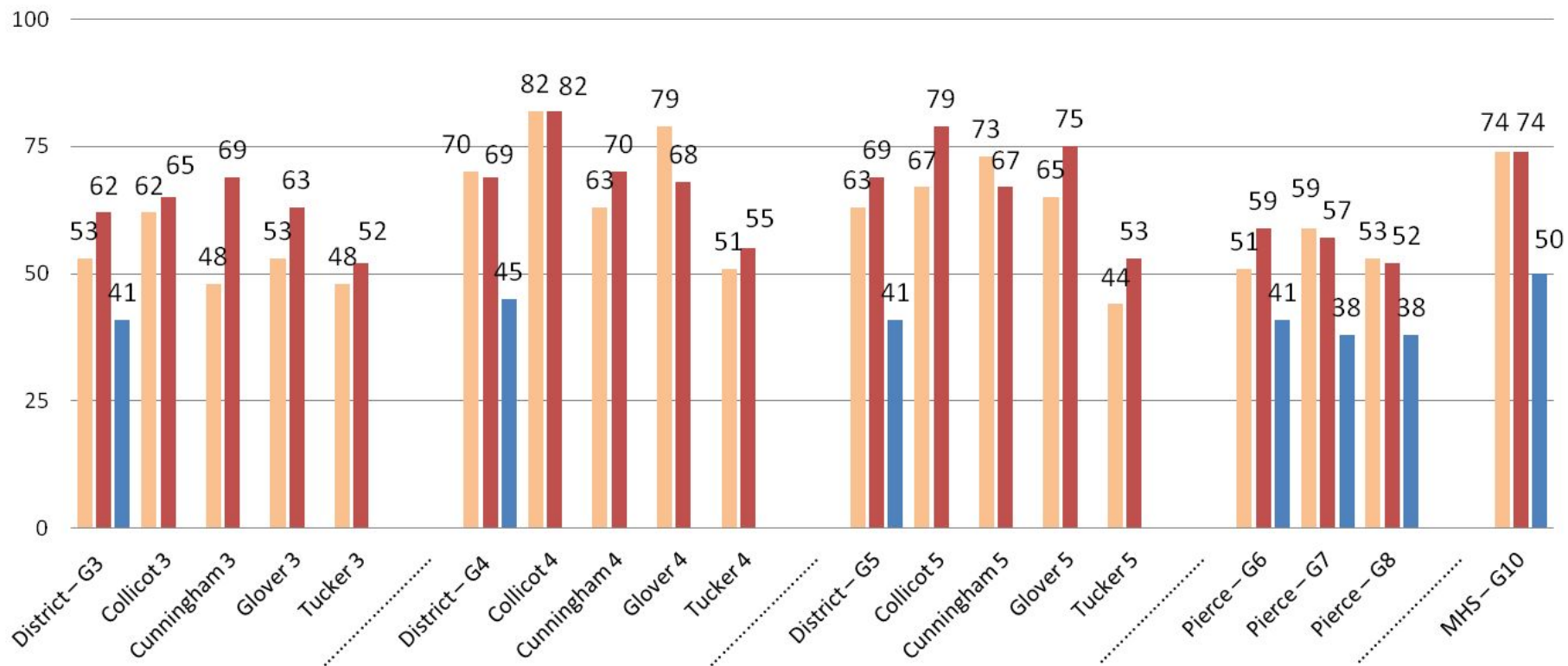
2023: Percentage of MPS students meeting/exceeding expectations on next-generation ELA MCAS G3-10

■ % Meeting/ Exceeding (2022)
 ■ % Meeting/ Exceeding (2023)
 ■ % State Meeting/ Exceeding

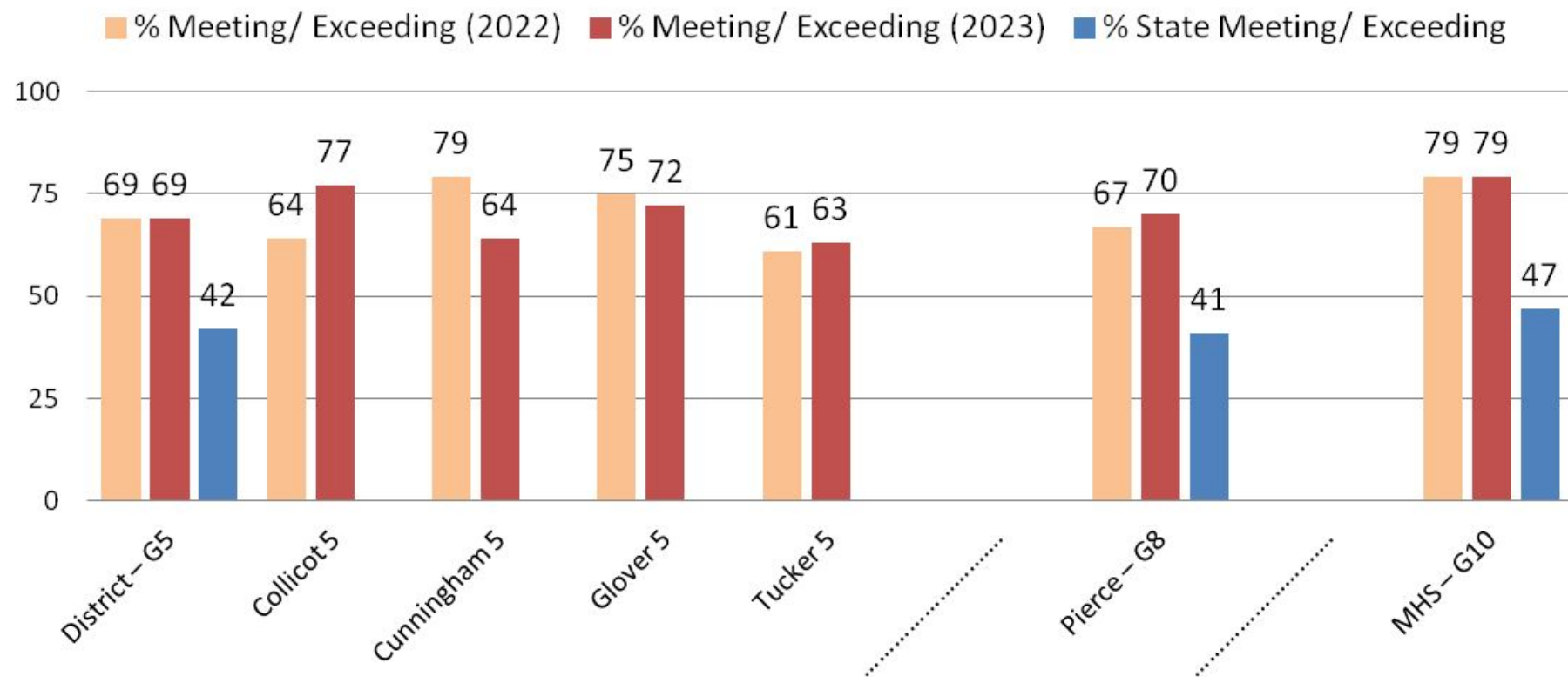


2023: Percentage of MPS students meeting/exceeding expectations on next-generation Math MCAS G3-10

■ % Meeting/ Exceeding (2022)
 ■ % Meeting/ Exceeding (2023)
 ■ % State Meeting/ Exceeding





2023: Percentage of students meeting/exceeding expectations on next-generation Science MCAS



More Good News

- All Milton Schools have met, exceeded, or made substantial progress on the accountability targets set by DESE. Accountability targets include measures such as MCAS achievements, growth, attendance, high school graduation rates, and advanced coursework.
- Collicot and Glover are 2 of 66 schools statewide deemed as “Schools of Recognition” for their high achievement and high growth and meet or exceed DESE accountability targets.

DESE Accountability Determinations

	Overall classification	Progress toward improvement targets	Accountability Percentile
Milton	Not requiring assistance or intervention	78% - Meeting or exceeding targets	n/a
Collicot 	Not requiring assistance or intervention - School of Recognition	93% - Meeting or exceeding targets	96
Cunningham	Not requiring assistance or intervention	79% - Meeting or exceeding targets	92
Glover 	Not requiring assistance or intervention - School of Recognition	81% - Meeting or exceeding targets	94
Tucker	Not requiring assistance or intervention	77% - Meeting or exceeding targets	75
Pierce	Not requiring assistance or intervention	72% - Substantial progress toward targets	74
Milton High	Not requiring assistance or intervention	92% - Meeting or exceeding targets	92

More Work To Do

- Amidst all the good news, we acknowledge the following areas for improvement:
 - Long-standing academic gaps between our priority subgroups (SWD, ELs, Low Income, AfAm/BI, Hispanic/Latino) and their peers still exist.
 - The impact of the pandemic has been most pronounced on these subgroups, with the exception of Students with Disabilities, who actually made more gains in achievement than even their 2019 pre-pandemic level.
- We remain committed to the work of equity in our district, recognizing that progress is gradual and that we must celebrate all our students and their accomplishments.

Pace of Recovery

District ELA: Pace of Recovery

Milton ELA MCAS Results	2019 % Meeting/ Exceeding	2021% Meeting/ Exceeding	2022 % Meeting/ Exceeding	2023 % Meeting/ Exceeding	MPS Change in % Meeting/ Exceeding 2022-2023	State Change in % Meeting/ Exceeding 2022-2023	MPS Change in % Meeting/ Exceeding 2019-2023	State Change in % Meeting/ Exceeding 2019-2023
G3 ELA	75	65	58	71	13	0	-4	-12
G4 ELA	79	72	59	58	-1	2	-21	-12
G5 ELA	68	69	66	71	5	3	3	-8
G6 ELA	75	70	58	64	6	1	-11	-11
G7 ELA	65	53	49	60	11	-1	-5	-8
G8 ELA	61	57	47	57	10	2	-4	-8
G10 ELA	76	78	80	77	-3	0	1	-3

District Math: Pace of Recovery

Milton Math MCAS Results	2019 % Meeting/ Exceeding	2021% Meeting/ Exceeding	2022 % Meeting/ Exceeding	2023 % Meeting/ Exceeding	MPS Change in % Meeting/ Exceeding 2022-2023	State Change in % Meeting/ Exceeding 2022-2023	MPS Change in % Meeting/ Exceeding 2019-2023	State Change in % Meeting/ Exceeding 2019-2023
G3 Math	60	51	53	62	9	0	2	-8
G4 Math	80	65	70	69	-1	3	-11	-5
G5 Math	74	60	63	69	6	5	-5	-7
G6 Math	67	38	51	58	7	-1	-9	-11
G7 Math	65	44	58	56	-2	1	-9	-10
G8 Math	66	40	51	51	0	2	-15	-8
G10 Math	74	72	73	71	-2	0	-3	-9

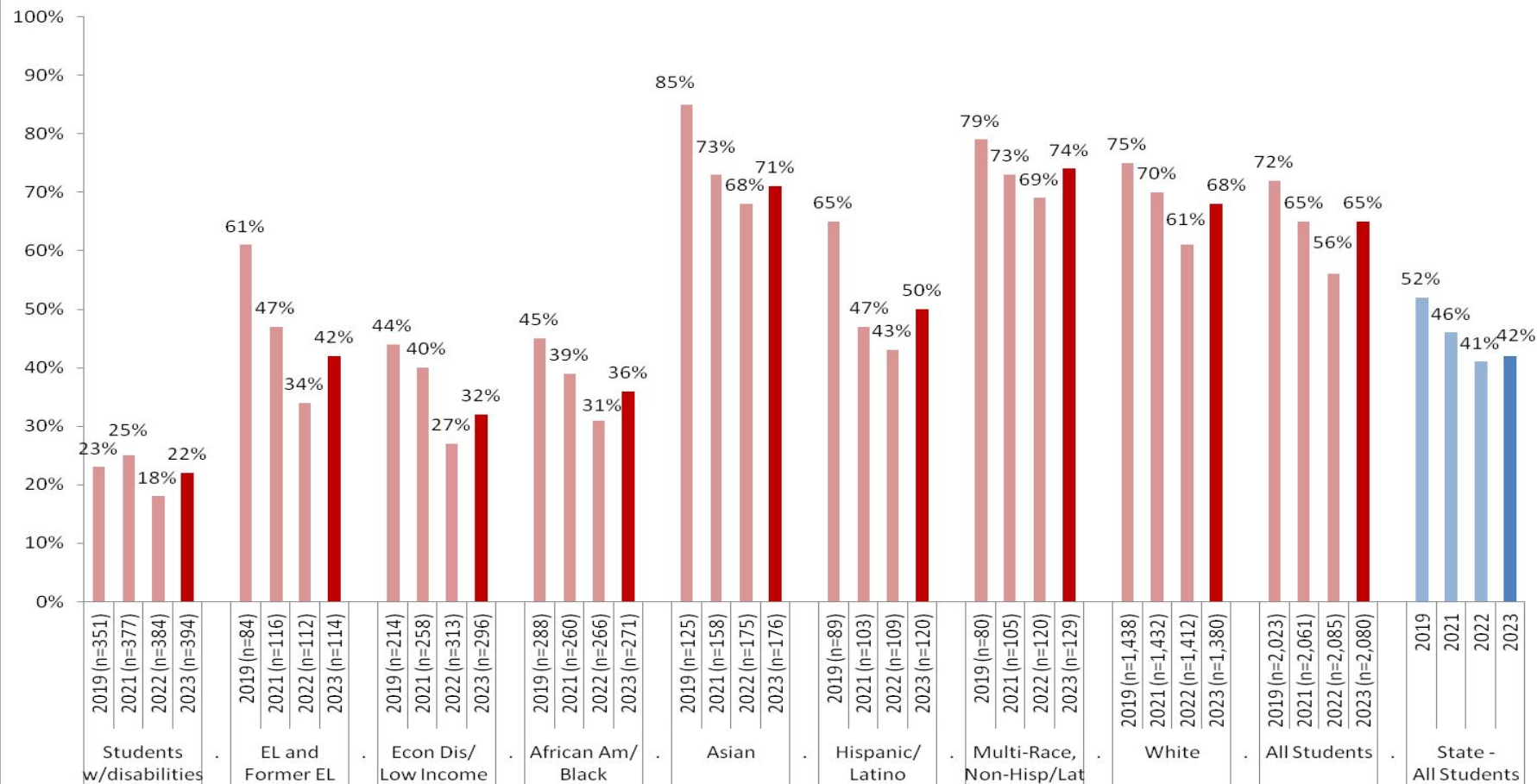
District Science: Pace of Recovery

Milton Science MCAS Results	2019 % Meeting/ Exceeding	2021% Meeting/ Exceeding	2022 % Meeting/ Exceeding	2023 % Meeting/ Exceeding	MPS Change in % Meeting/ Exceeding 2022-2023	State Change in % Meeting/ Exceeding 2022-2023	MPS Change in % Meeting/ Exceeding 2019-2023	State Change in % Meeting/ Exceeding 2019-2023
G5 Science	68	66	69	69	0	-1	1	-7
G8 Science	62	57	65	69	4	-1	7	-5
G10 Science*	legacy	legacy	78	77	-1	0	n/a	n/a

Subgroups Performance

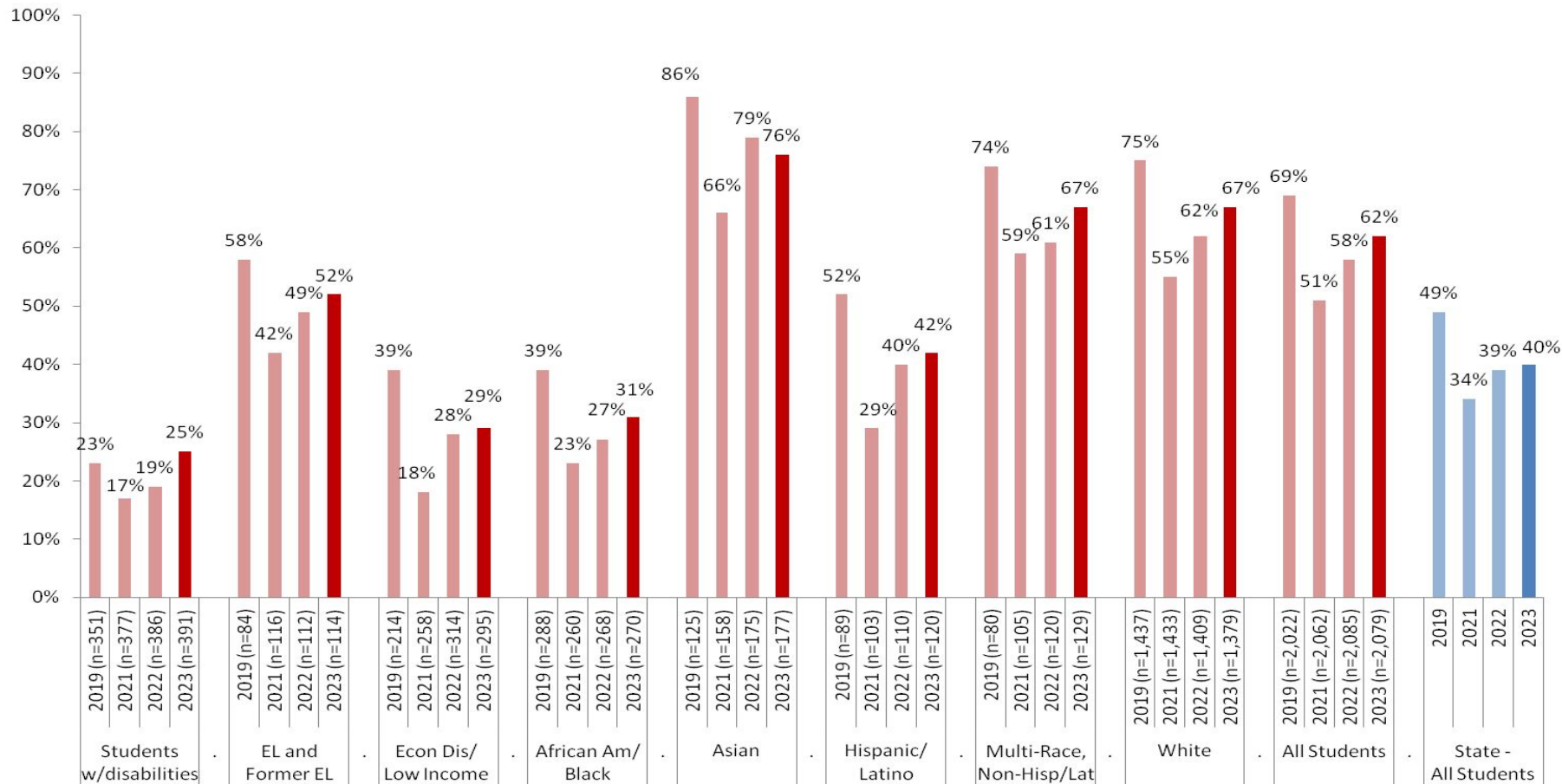
G3-8 ELA MCAS: % of MPS Student Subgroups Meeting/Exceeding Expectations

(% not available where n is 10 or less)



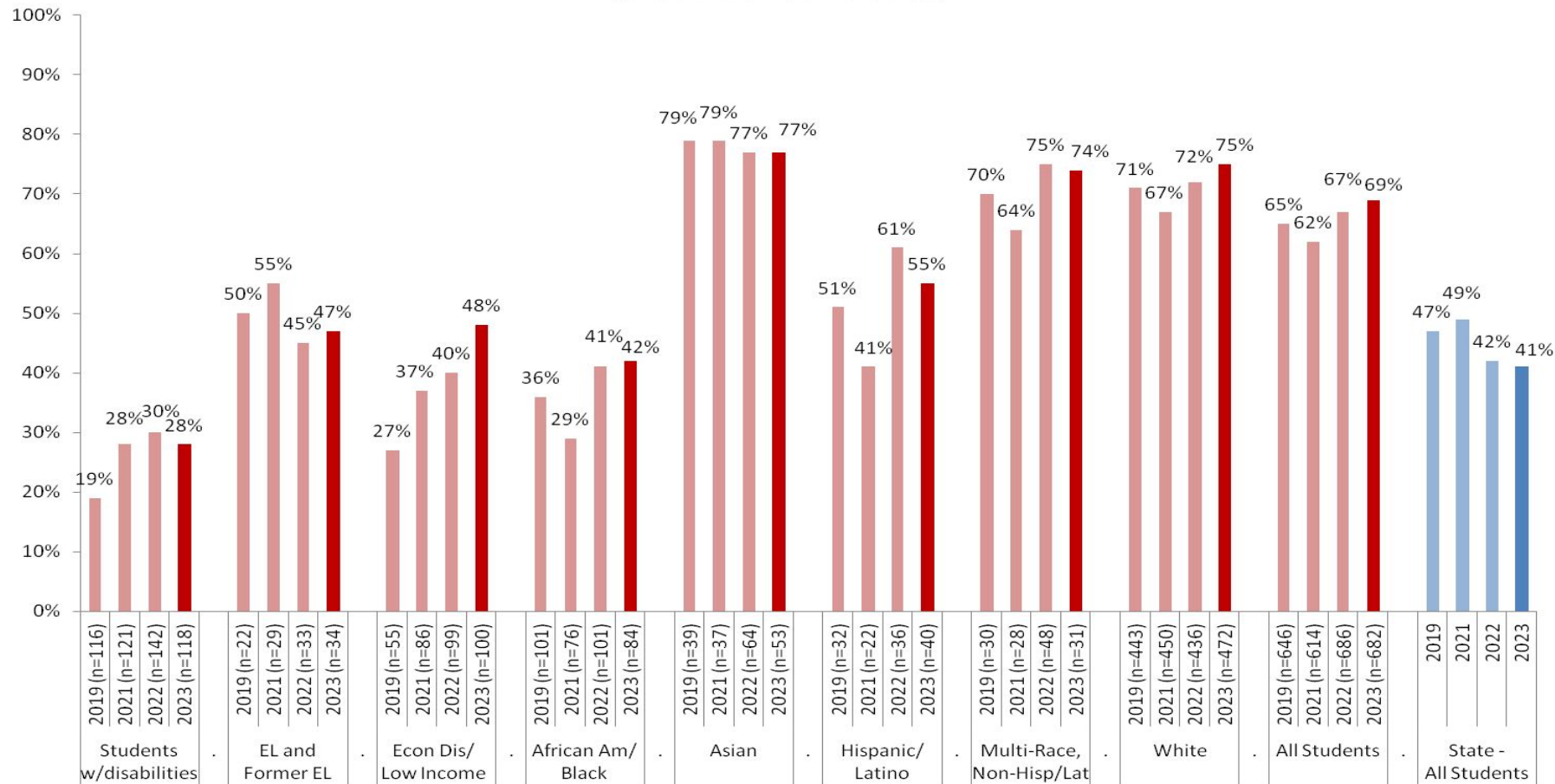
G3-8 Math MCAS: % of MPS Student Subgroups Meeting/Exceeding Expectations

(% not available where n is 10 or less)



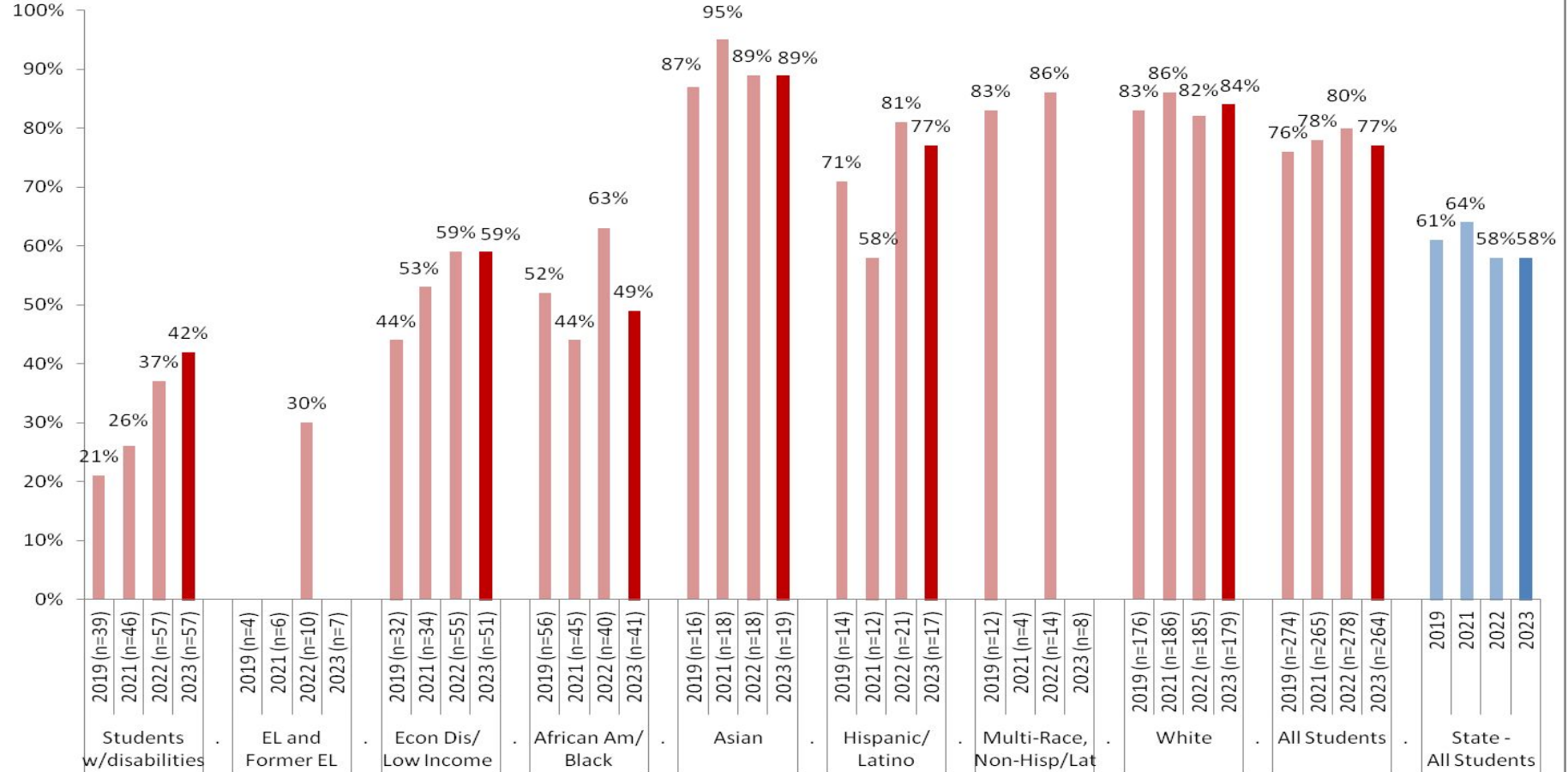
G5 & 8 Science MCAS: % of MPS Student Subgroups Meeting/Exceeding Expectations

(% not available where n is 10 or less)



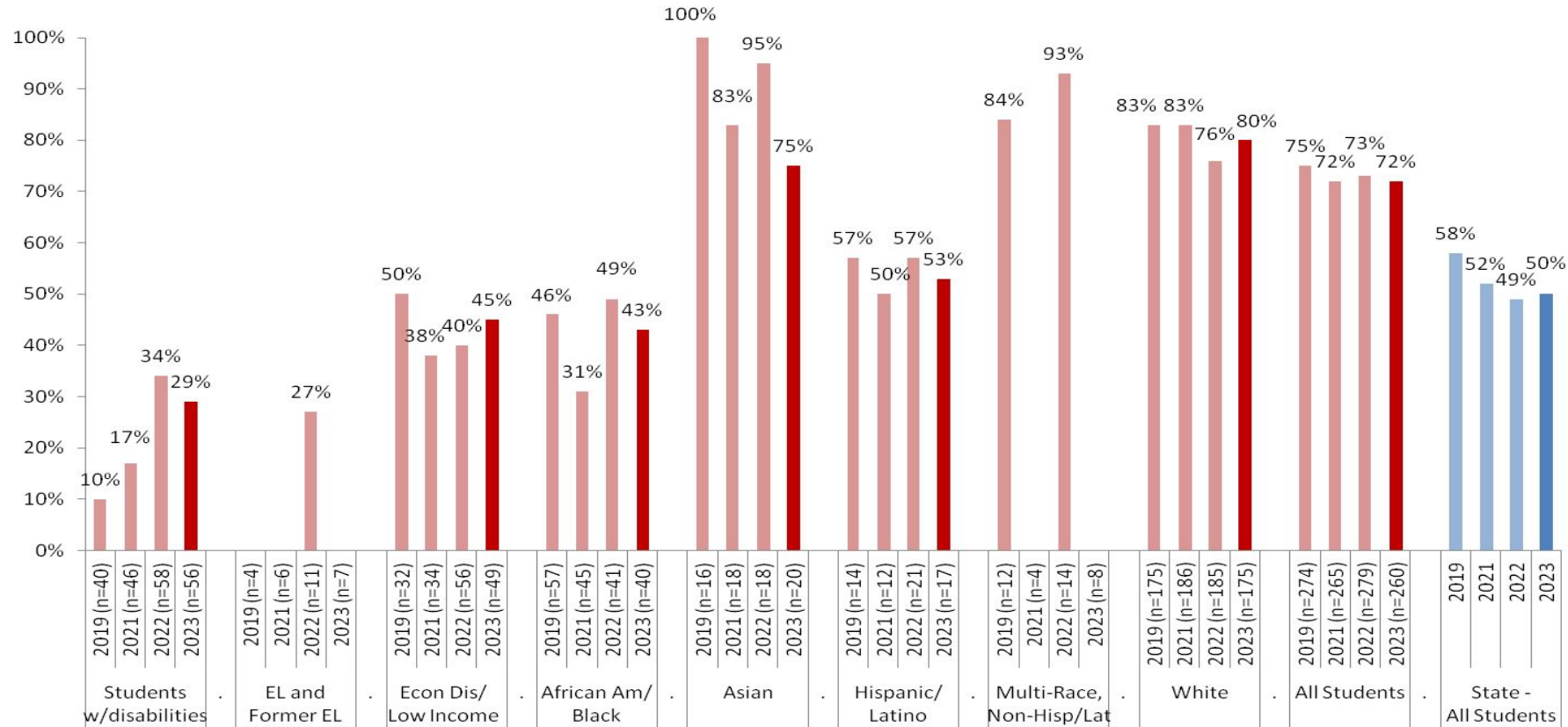
G10 ELA MCAS: % of MHS Student Subgroups Meeting/Exceeding Expectations

(% not available where n is 10 or less)



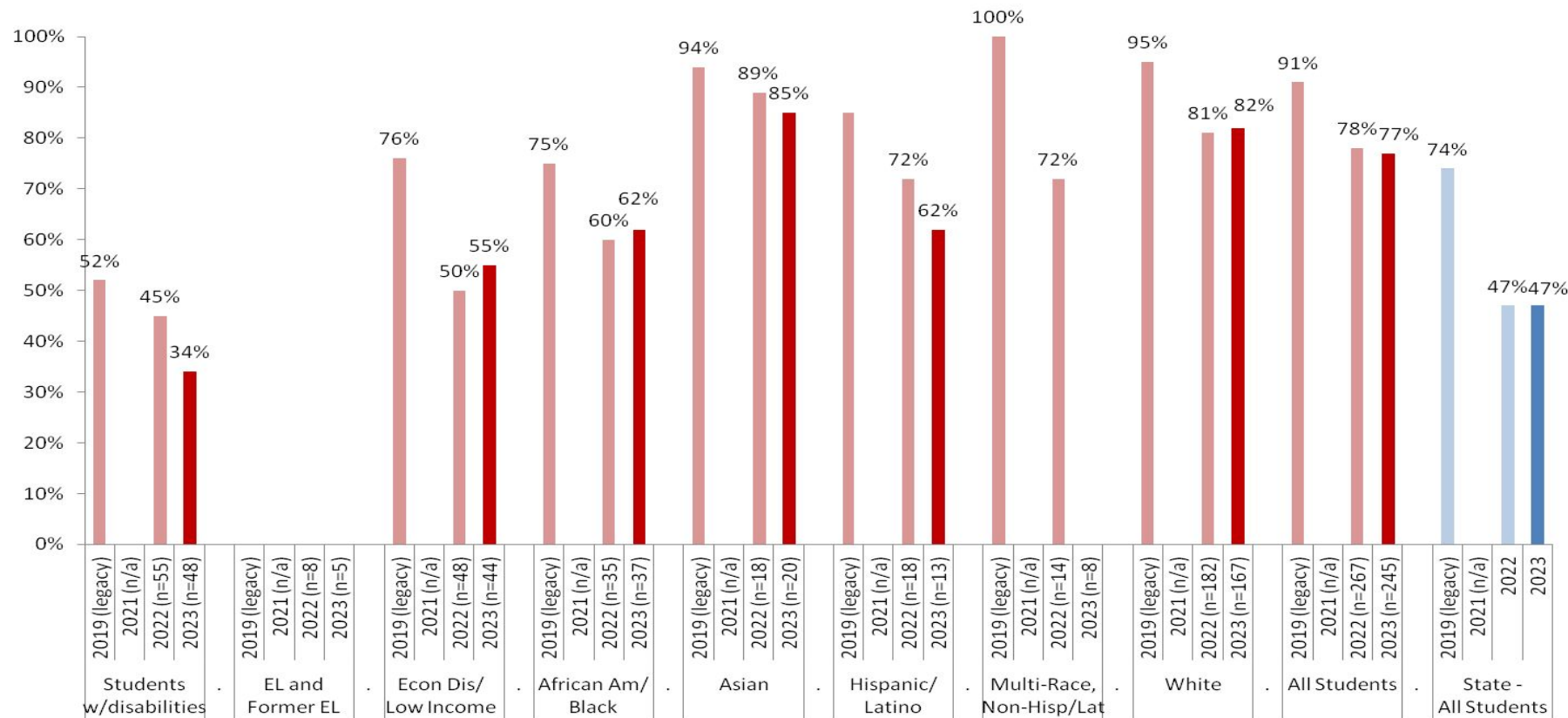
G10 Math MCAS: % of MHS Student Subgroups Meeting/Exceeding Expectations

(% not available where n is 10 or less)



G10 Science MCAS: % of MHS Student Subgroups Meeting/Exceeding Expectations

(% not available where n is 10 or less; 2022 was the transition to NextGen scoring scale)



Performance Change between 2019 and 2023

(Of percentage meeting/exceeding expectations)

Subgroups	G3-8 ELA		G3-8 Math		G5 & G8 Science		G10 ELA		G10 Math	
	MPS	State	MPS	State	MPS	State	MPS	State	MPS	State
Students w/ disabilities	-1%	-4%	2%	-3%	9%	-2%	21%	0	19%	-3%
EL and former EL	-19%	-12%	-6%	-10%	-3%	-4%	n/a	-2%	n/a	-9%
Low Income	-12%	-10%	-10%	-8%	21%	-4%	15%	-1%	-5%	-7%
African Am/Black	-9%	-7%	-8%	-6%	6%	-3%	-3%	5%	-3%	-8%
Asian	-14%	-8%	-10%	-5%	-2%	-2%	2%	3%	-25%	-3%
Hispanic/Latino	-15%	-11%	-10%	-9%	4%	-5%	6%	0	-4%	-9%
Multi-Race	-5%	-7%	-7%	-5%	4%	-2%	n/a	-3%	n/a	-7%
White	-7%	-8%	-8%	-7%	4%	-6%	1%	-3%	-3%	-6%
All Students	-7%	-10%	-7%	-9%	4%	-6%	1%	-3%	-3%	-8%

Note: Grade 10 Science was still using the legacy MCAS in 2019, so there is no comparable percentage change between 2023 and 2019 for G10 science.

Performance Change between 2022 and 2023

(Of percentage meeting/exceeding expectations)

Subgroups	G3-8 ELA		G3-8 Math		G5 & G8 Science		G10 ELA		G10 Math		G10 Science	
	MPS	State	MPS	State	MPS	State	MPS	State	MPS	State	MPS	State
Students w/ disabilities	4%	0	6%	0	-2%	1%	5%	2%	-5%	1%	-11%	1%
EL and former EL	8%	0	3%	0	2%	0	n/a	-4	n/a	-3%	n/a	-1%
Low Income	5%	-1%	1%	1%	8%	-1%	0	-1	5%	0	5%	-1%
African Am/Black	5%	2%	4%	2%	1%	1%	-14%	2%	-6%	1%	2%	2%
Asian	3%	1%	-3%	2%	0	0	0	2%	-20%	2%	-4%	6%
Hispanic/Latino	7%	0	2%	2%	-6%	-1%	-4%	-2%	-4%	-1%	-10%	1%
Multi-Race	5%	2%	6%	2%	-1%	1%	n/a	1%	n/a	0	n/a	-1%
White	7%	2%	5%	2%	3%	-2%	2%	2%	4%	1%	1%	-1%
All Students	9%	1%	4%	1%	2%	-1%	-3%	0	-1%	1%	-1%	0

Peer Districts Comparison

- Every year, DESE produces a list of comparable districts based on similarities in demographics in terms of grades span, total enrollment, and special populations.
 - Our list based on 2022 data (DESE has not updated to 2023 data yet) includes Chelmsford, Franklin, Melrose, Mendon-Upton, Nashoba, Natick, Sharon, Shrewsbury, Wakefield, and Winchester.
- We've also pulled data from some of our neighboring districts to run the comparison.
- Based on all these comparisons, Milton is in the mid range for performance - not the highest, but also not the lowest.
 - However, Milton does have the second lowest per pupil expenditures, lower than even the state average.

			DESE comparables			Geographic Neighbors				
	State	Milton	Melrose	Natick	Sharon	Canton	Braintree	Dedham	Walpole	Westwood
% High Needs (SWD, EL, Low inc)	55.1	29.2	30.6	29.7	29.2	34.7	46.1	41.7	29.5	28.4
Per pupil expenditure, All Funds (2021)	\$19,062	\$16,863	\$14,565	\$17,396	\$18,963	\$20,012	\$17,464	\$24,010	\$17,395	\$20,499
Avg teacher salary (2021)	\$86,118	\$87,644	\$76,369	\$84,410	\$100,647	\$93,030	\$90,218	\$96,958	\$84,948	\$99,445
2023 MCAS G3-8 ELA % M+E	42	64	60	65	64	53	52	46	56	71
2023 MCAS G3-8 MATH % M+E	41	62	59	66	69	58	56	47	62	72
2023 MCAS G5 & G8 SCI % M+E	41	69	61	64	67	53	56	35	54	73
2023 MCAS G10 ELA % M+E	58	77	79	79	80	73	71	64	67	80
2023 MCAS G10 MATH % M+E	50	71	64	73	75	61	72	69	73	80
2023 MCAS G10 SCI % M+E	47	77	64	75	79	70	67	53	66	78

Concluding Thoughts

- **We want to remind everyone that the MCAS is the only standardized measure that the state uses to benchmark grade-level achievement in grades 3-8 and grade 10.**
 - It doesn't necessarily capture individual student's learning perfectly, but at the population level, it is a good, research-based tool to measure aggregate performance year to year.
- **The data here represents only our second MCAS data point post pandemic, which paints a hopeful picture for recovery efforts in Milton.**
 - Our youngest testing grade, the third grade, is making fantastic progress back to where it was pre-pandemic in both ELA and Math. That is a solid foundation to build on for future success.
 - We are seeing the ELA recovery in most grade levels, with grades 5 and 10 surpassing even their pre-pandemic achievement.
 - Our tested grades 5 and 8 in Science have also surpassed their pre-pandemic achievement.
- **We recognize there are still areas of improvement to focus on, specifically the achievement gaps of our priority subgroup students.**
 - These students experienced the most unfinished learning during the pandemic, but we are hopeful that they are also seeing gains back from 2022 in Grades 3-8 ELA and Math.
 - Our students with disabilities surpassed even their pre-pandemic achievement.