

2021 MCAS Results Lawrence Public Schools

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Looking Back and Important Considerations to Keep in Mind...

- With the exception of a small group of high needs students, LPS students were fully remote.
- DESE encourages schools and districts to focus on using the results of the 2021 MCAS for diagnostic and improvement purposes.
- DESE will not be releasing district comparison tools as in previous years. Caution should be exercised when making comparisons across districts and across schools within the same district, especially where participation rates are <80%.
- DESE is not issuing new accountability determinations for districts and schools this year. Accountability designations will resume in 2022.

Taking MCAS in 2021: What was Different

- The amount of testing was cut in half for students in grades 3-8. They were randomly assigned **one session** of the regular two session test in ELA, Math and Science.
- HS students were given the full two-session tests in ELA, Math and STE. Their testing window was moved to later in the school year.
- Students in grades 3-8 that were still learning remotely could take the computer-based tests at home. Test administrators monitored remote testing using Zoom.
- HS students were not given the option to test remotely. They were required to test in-person.

2021 MCAS Participation Rates Remained High

	ELA LPS %	ELA State %	Math LPS %	Math State %	STE LPS %	STE State %
Grade 3	98	97	98	97	--	--
Grade 4	98	97	98	97	--	--
Grade 5	98	97	99	97	99	96
Grade 6	98	96	98	95	--	--
Grade 7	98	94	99	94	--	--
Grade 8	99	93	99	93	97	91
Grade 10	56*	90	55*	89	--	--

*All Grade 10 MCAS testing was done in-person. Grade 10 students that stayed remote learners were not able to test remotely.

2021 MCAS Remote Testing Rates

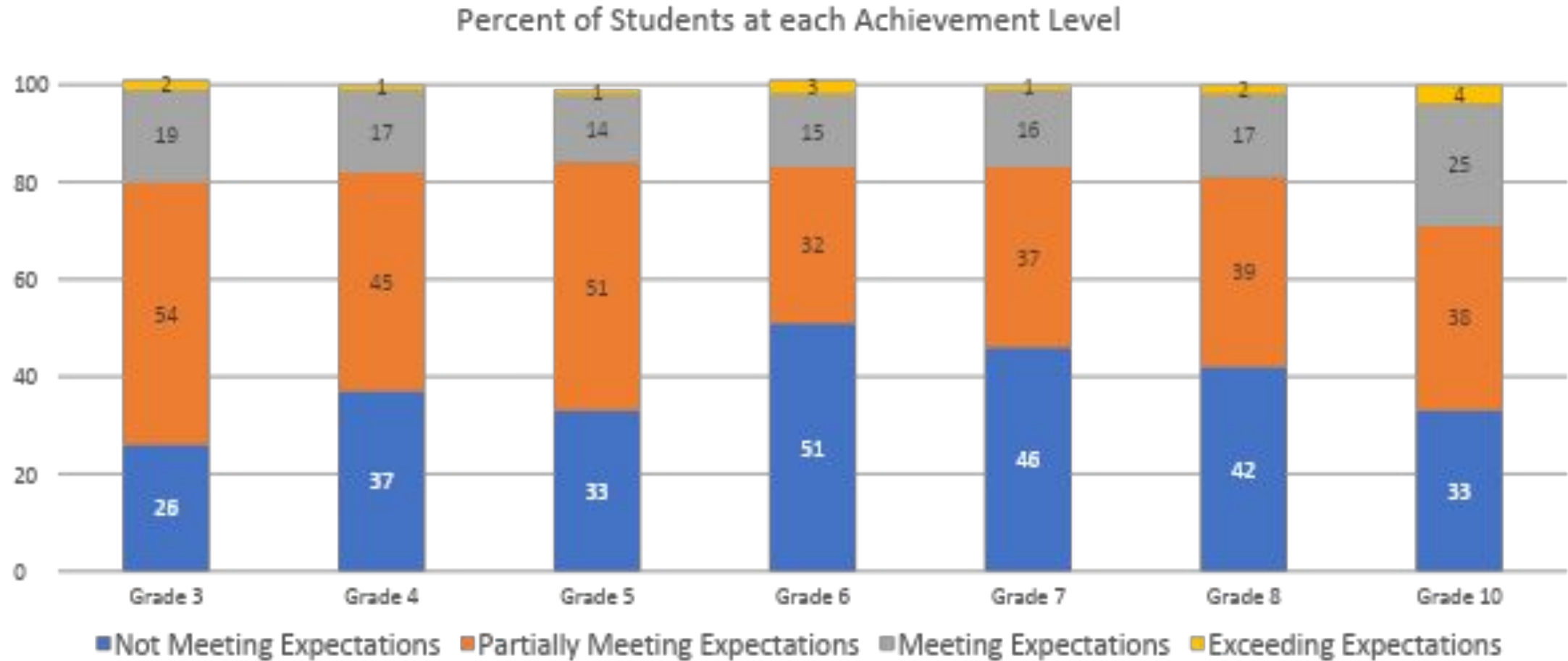
	ELA LPS %	ELA State %	Math LPS %	Math State %	STE LPS %	STE State %
Grade 3	44	17	42	17	--	--
Grade 4	43	17	41	17	--	--
Grade 5	44	17	44	17	45	17
Grade 6	48	19	48	19	--	--
Grade 7	44	21	44	21	--	--
Grade 8*	44	21	45	22	47	≈22

LPS remote testing rates are more than double those of the State.

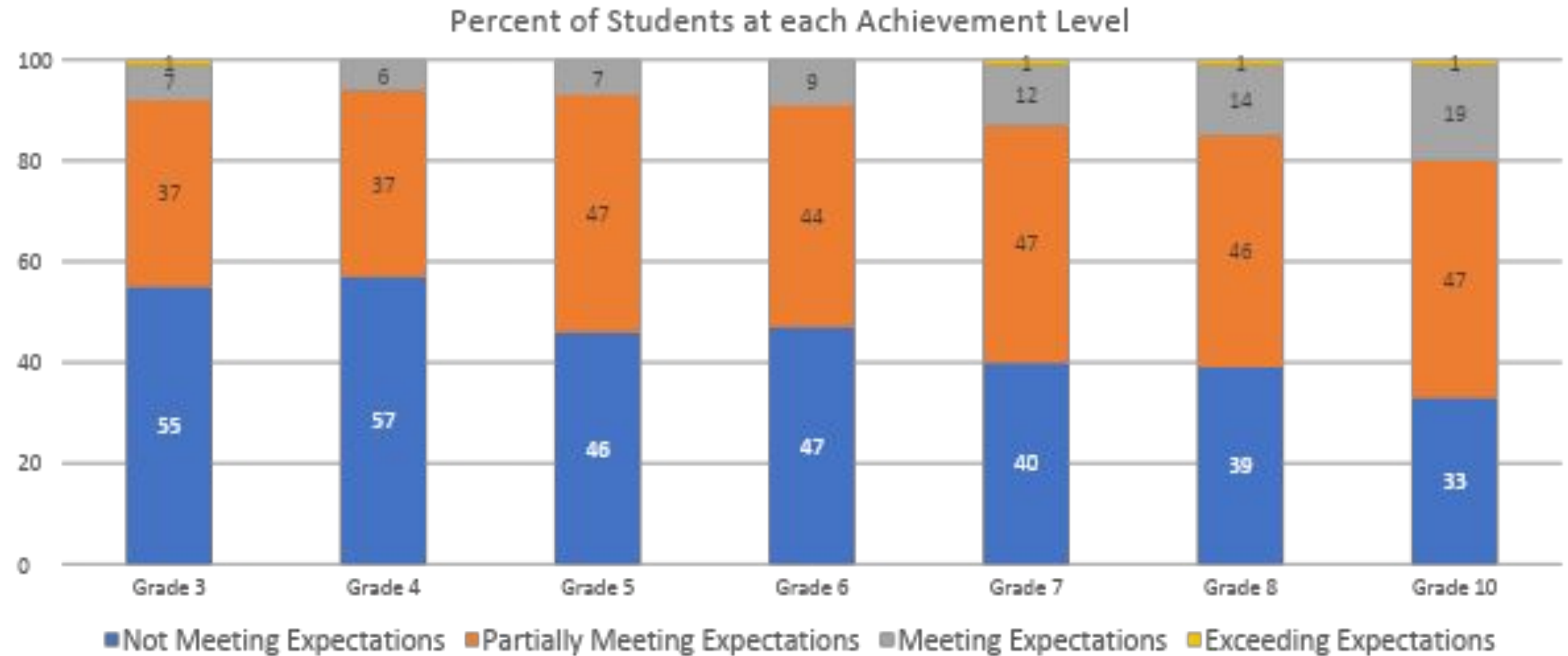
Grade 10 students did not have the option to test remotely.

*Grade 8 Remote Science tests were not scorable due to vendor error.

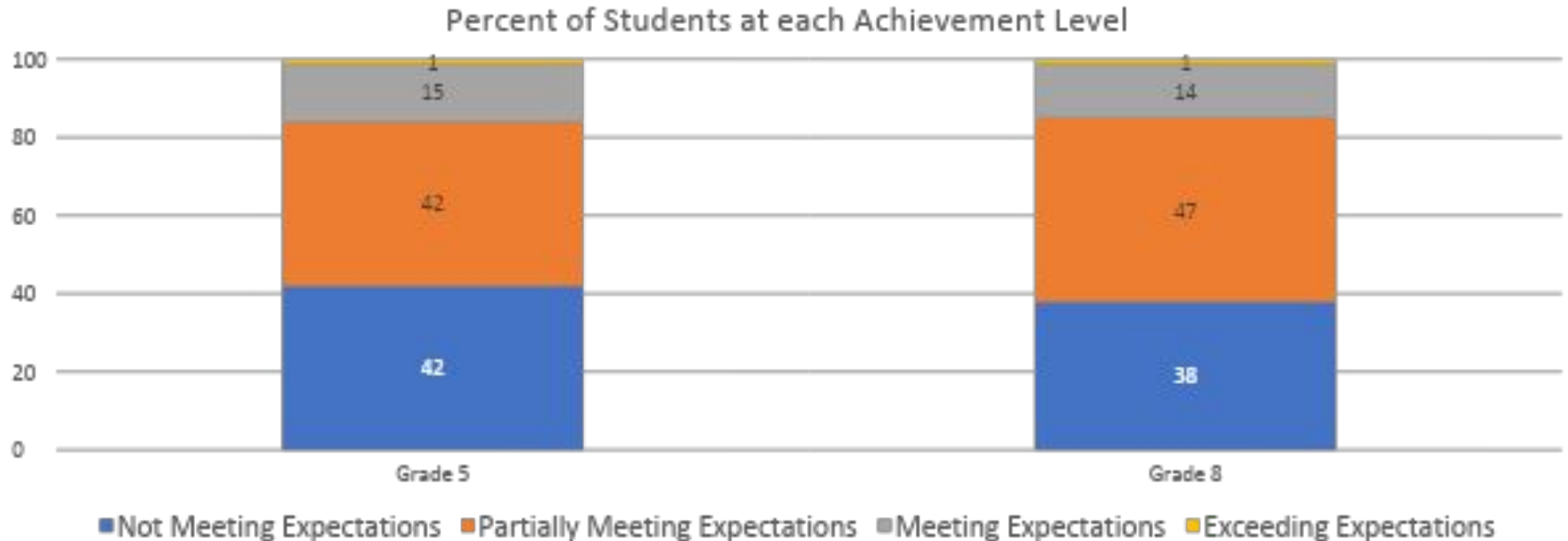
2021 MCAS by Achievement Level: ELA



2021 MCAS by Achievement Level: MATH



2021 MCAS by Achievement Level: Science



The 2021 MCAS results do not include grade 10 STE results. Typically, grade 10 STE results are based on best performance of any STE test taken in Grade 9 or 10. There was no MCAS testing in 2020 when these students were in grade 9.

ELA Achievement

Percent of Students at each
Achievement Level

Comparison of ELA Achievement Levels 2019 to 2021								
	Year	NM	PM	M	E	M/E	LPS Change in M/E 21-19	State Change in M/E 21-19
Grade 3	2019	19	46	31	3	35	-15	-5
	2021	26	54	19	2	20		
Grade 4	2019	22	51	25	2	28	-10	-3
	2021	37	45	17	1	18		
Grade 5	2019	22	49	27	2	29	-13	-6
	2021	33	51	14	1	16		
Grade 6	2019	29	37	29	5	34	-16	-6
	2021	51	32	15	3	18		
Grade 7	2019	22	49	27	2	29	-12	-5
	2021	46	37	16	1	17		
Grade 8	2019	31	42	25	2	27	-8	-11
	2021	42	39	17	2	19		
Grade 10	2019	30	40	28	2	30	-2	3
	2021	33	38	25	4	28		

Math Achievement

Percent of Students at each Achievement Level

Comparison of Math Achievement Levels 2019 to 2021								
	Year	NM	PM	M	E	M/E	LPS Change in M/E 21-19	State Change in M/E 21-19
Grade 3	2019	26	45	27	2	29	-21	-16
	2021	55	37	7	1	8		
Grade 4	2019	26	44	28	2	30	-24	-16
	2021	57	37	6	0	6		
Grade 5	2019	26	51	23	0	23	-16	-15
	2021	46	47	7	0	7		
Grade 6	2019	29	37	29	5	34	-25	-18
	2021	47	44	9	0	9		
Grade 7	2019	19	45	32	4	36	-23	-13
	2021	40	47	12	1	13		
Grade 8	2019	20	47	28	5	33	-18	-14
	2021	39	46	14	1	15		
Grade 10	2019	29	40	28	3	31	-11	-6
	2021	33	47	19	1	20		

Science Achievement

Percent of Students at each Achievement Level

Comparison of Science Achievement Level 2019 to 2021								
	Year	NM	PM	M	E	M/E	LPS Change in M/E 21-19	State Change in M/E 21-19
Grade 5	2019	27	47	24	2	26	-10	-6
	2021	42	42	15	1	16		
Grade 8	2019	30	47	21	2	23	-8	-5
	2021	38	47	14	1	15		

Change in Average Scaled Score from 2019 to 2021

	ELA				MATH				Science			
	LPS 2019	LPS 2021	LPS Diff.	State Diff.	LPS 2019	LPS 2021	LPS Diff.	State Diff.	LPS 2019	LPS 2021	LPS Diff.	State Diff.
Gr. 3	492.1	481.9	-10.2	-4.6	487.3	467.8	-19.5	-11.3	--	--	--	--
Gr. 4	488.9	478.8	-10.1	-3.8	487.0	466.3	-20.7	-11.1	--	--	--	--
Gr. 5	487.5	478.6	-8.9	-4.5	484.4	473.3	-11.1	-8.3	483.9	476.7	-7.2	-4.6
Gr. 6	488.0	475.3	-12.7	-4.7	491.5	472.9	-18.6	-10.7	--	--	--	--
Gr. 7	488.3	476.3	-12	-4.8	490.3	476.1	-14.2	-6.1	--	--	--	--
Gr. 8	484.5	477.5	-7	-5.2	491.5	477.3	-14.2	-9.6	483.1	478.5	-4.6	-2.7
Grs 3-8 Sci 5&8	488.2	478.0	-10.2	-4.7	488.7	472.4	-16.3	-9.5	483.5	477.4	-6.1	-3.8
Gr. 10	486.2	484.3	-1.9	1.1	487.5	480.6	-6.9	-4.5	--	--	--	--

English Learners/Former English Learners: Change in Average Scaled Score

	LPS 2019	LPS 2021	LPS Change from 2019 to 2021	State 2019	State 2021	State Change from 2019 to 2021
ELA Grs. 3-8	482.3	471.4	-10.9	489.3	482.8	-6.5
Math Grs. 3-8	484.0	467.3	-16.7	489.3	477.8	-11.5
Science Grs. 5 & 8	476.8	472.1	-4.7	483.7	479.4	-4.3
ELA Gr. 10	468.5	466.6	-1.9	480.6	477.9	-2.7
Math Gr. 10	476.7	470.0	-6.7	485.4	477.6	-7.8

Students with Disabilities: Change in Average Scaled Score

	LPS 2019	LPS 2021	LPS Change from 2019 to 2021	State 2019	State 2021	State Change from 2019 to 2021
ELA Grs. 3-8	471.3	463.5	-7.8	481.1	478.1	-3
Math Grs. 3-8	471.6	460.8	-10.8	479.5	472.5	-7
Science Grs. 5 & 8	469.4	465.0	-4.4	480.5	478.4	-2.1
ELA Gr. 10	472.0	466.4	-5.6	486.2	487.1	.9
Math Gr. 10	471.9	465.3	-6.6	483.8	479.6	-4.2

Grades 3-8 Average Scaled Score by Testing Mode: In-Person vs. Remote

	LPS ELA In-Person	LPS ELA Remote	ELA Diff.	LPS Math In-Person	LPS Math Remote	Math Diff.	LPS Science In-Person	LPS Science Remote	Science Diff.
Grade 3	481.7	482.2	+0.5 (R)	466.7	469.2	+2.5 (R)	--	--	--
Grade 4	478.2	479.7	+1.5 (R)	465.1	468.0	+2.9 (R)	--	--	--
Grade 5	479.0	478.0	-1 (R)	472.2	474.5	+2.3 (R)	478.2	474.9	-3.3 (R)
Grade 6	475.7	474.8	-.9 (R)	472.0	473.8	+1.8 (R)	--	--	--
Grade 7	475.1	477.8	+2.7 (R)	472.8	480.3	+7.5 (R)	--	--	--
Grade 8	477.3	477.9	+0.6 (R)	475.1	479.9	4.8 (R)	478.5	*	*

2021 Grade 10 MCAS testing was done in-person

***Grade 8 Remote Science tests were not scorable due to vendor error.**

Student Growth Percentiles

State Student Growth Percentiles

- In a typical year, the STATE average SGPs are 50, with roughly 20% of students scoring in each of the 5 SGP levels:

		50		
Very Low	Low	Moderate	High	Very High
20%	20%	20%	20%	20%

- In 2021, the State average SGPs are mostly in the 30's, with a lower percentage of students scoring in the higher growth levels.

	30-40			
Very Low	Low	Moderate	High	Very High
38%–54%	18%-24%	12%-18%	8%-14%	6%-10%

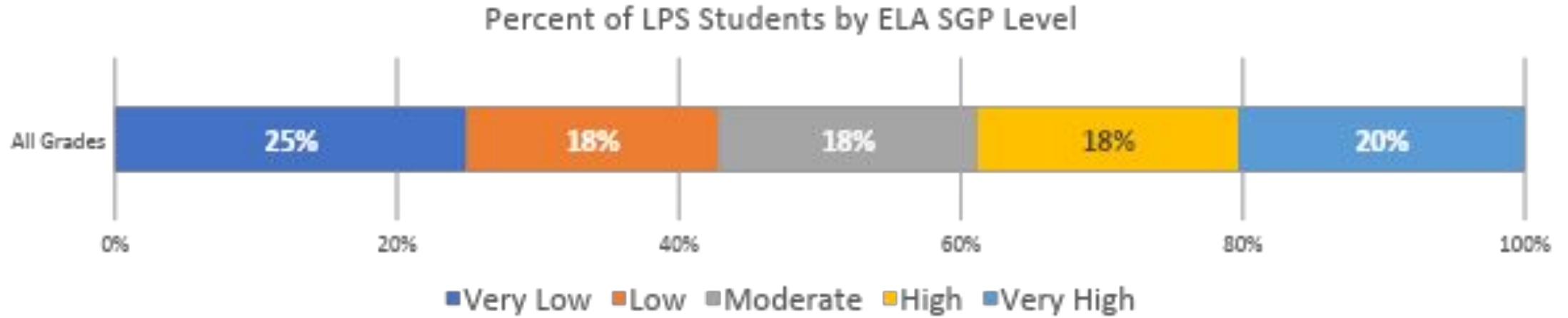
2021 Average SGP: Grades 5-8 and 10

	LPS ELA	State ELA	Diff.	LPS Math	State Math	Diff.
Grade 5	22.2	34.9	-12.7	19.9	31.9	-12
Grade 6	27.4	37.3	-9.9	16.3	26.3	-10
Grade 7	29.7	36.1	-6.4	32.1	35.8	-3.7
Grade 8	31.6	34.8	-3.2	26.5	27.4	-.9
Grade 10	37.7	52.5	-14.8	19.1	36.5	-17.4

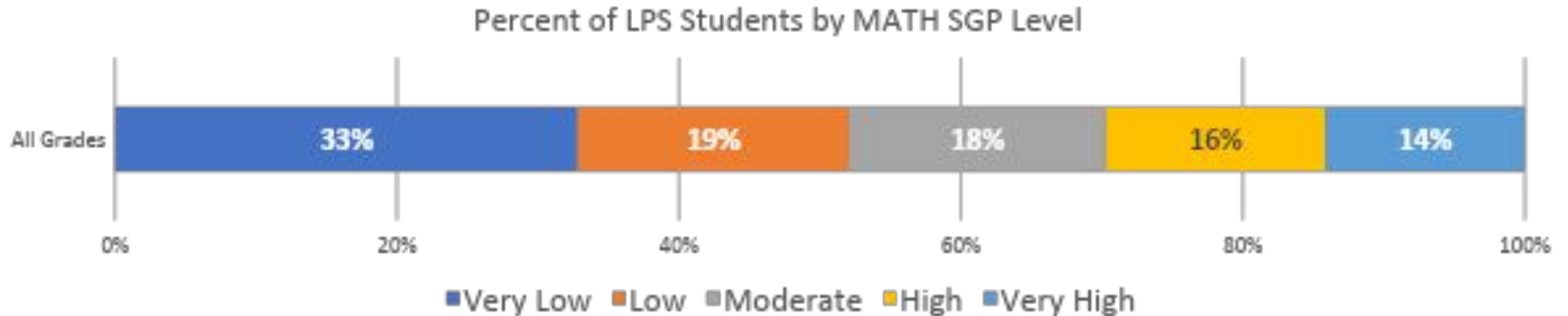
Students in grades 3 and 4 tested for the 1st time in 2021 and do not have SGPs.

SGP is not calculated for Science since students do not test every year.

ELA SGP: Overall 38% of LPS students earned a high or very high SGP.



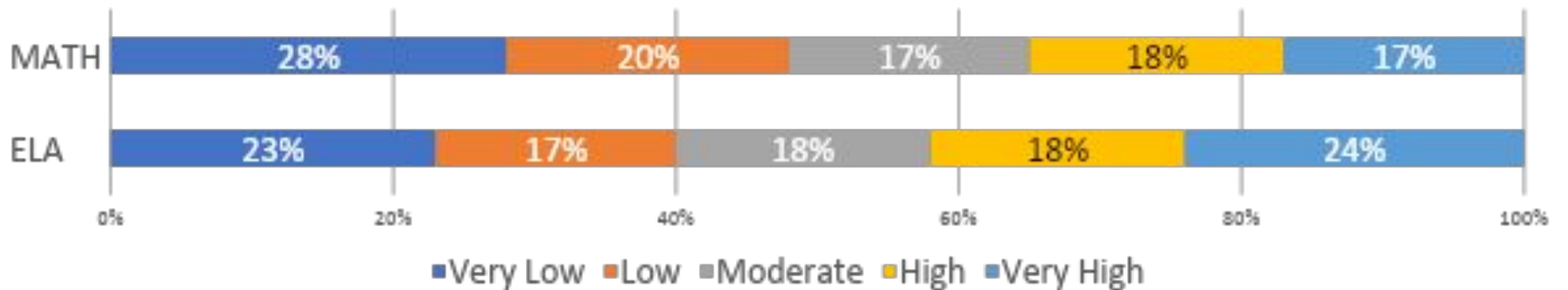
Math SGP: Overall 30% of LPS students earned a high or very high SGP.



2021 Average SGP: LPS EL/Former EL

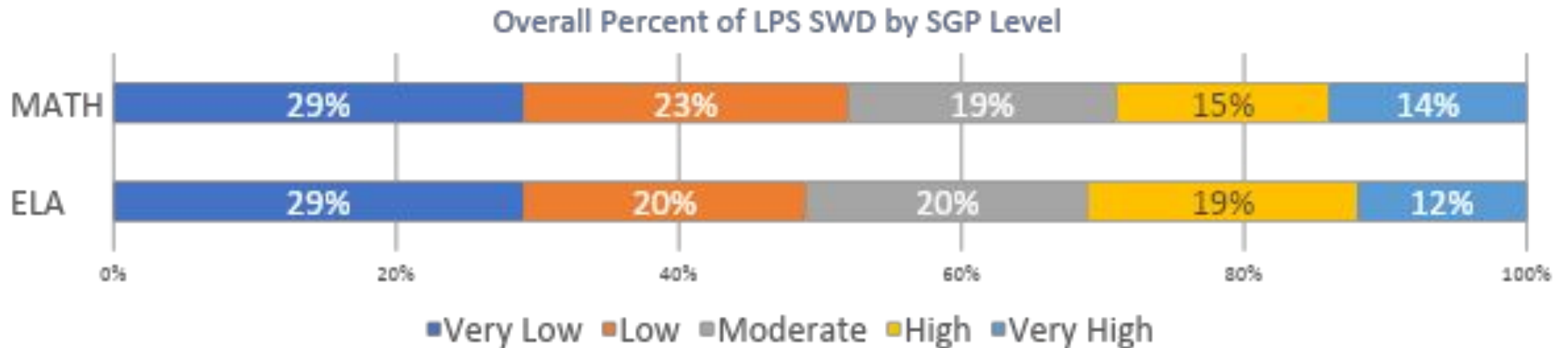
	LPS ELA	State ELA	Diff.	LPS Math	State Math	Diff.
EL/FEL Gr. 5	23.5	30.3	-6.8	19.4	28.0	-8.6
EL/FEL Gr. 6	26.8	34.6	-7.8	17.4	25.1	-7.7
EL/FEL Gr. 7	32.0	34.2	-2.2	34.9	35.4	-.5
EL/FEL Gr. 8	36.7	37.5	-.8	30.4	28.8	-1.6
EL/FEL Gr. 10	36.9	47.4	-10.5	28.7	33.9	-5.2

Overall Percent of LPS EL/Former EL Students by SGP Level



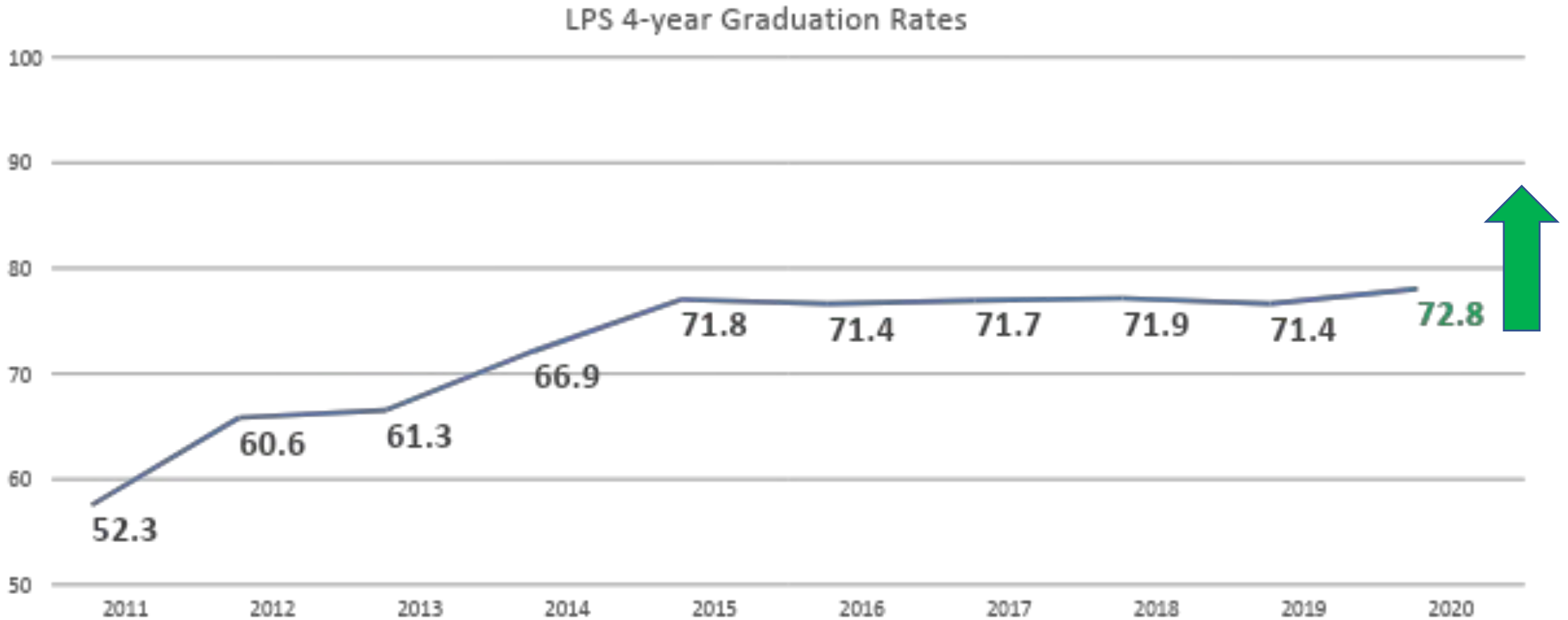
2021 Average SGP: LPS Students with Disabilities

	LPS ELA	State ELA	Diff.	LPS Math	State Math	Diff.
SWD Gr. 5	21.5	29.2	-7.7	19.7	29.8	-10.1
SWD Gr. 6	24.3	30.2	-5.9	22.4	26.1	-3.7
SWD Gr. 7	25.0	31.4	-6.4	31.8	36.3	-4.5
SWD Gr. 8	26.4	35.3	-8.9	26.0	27.5	-1.5
SWD Gr. 10	31.4	50	-18.6	21.2	35.3	-14.1



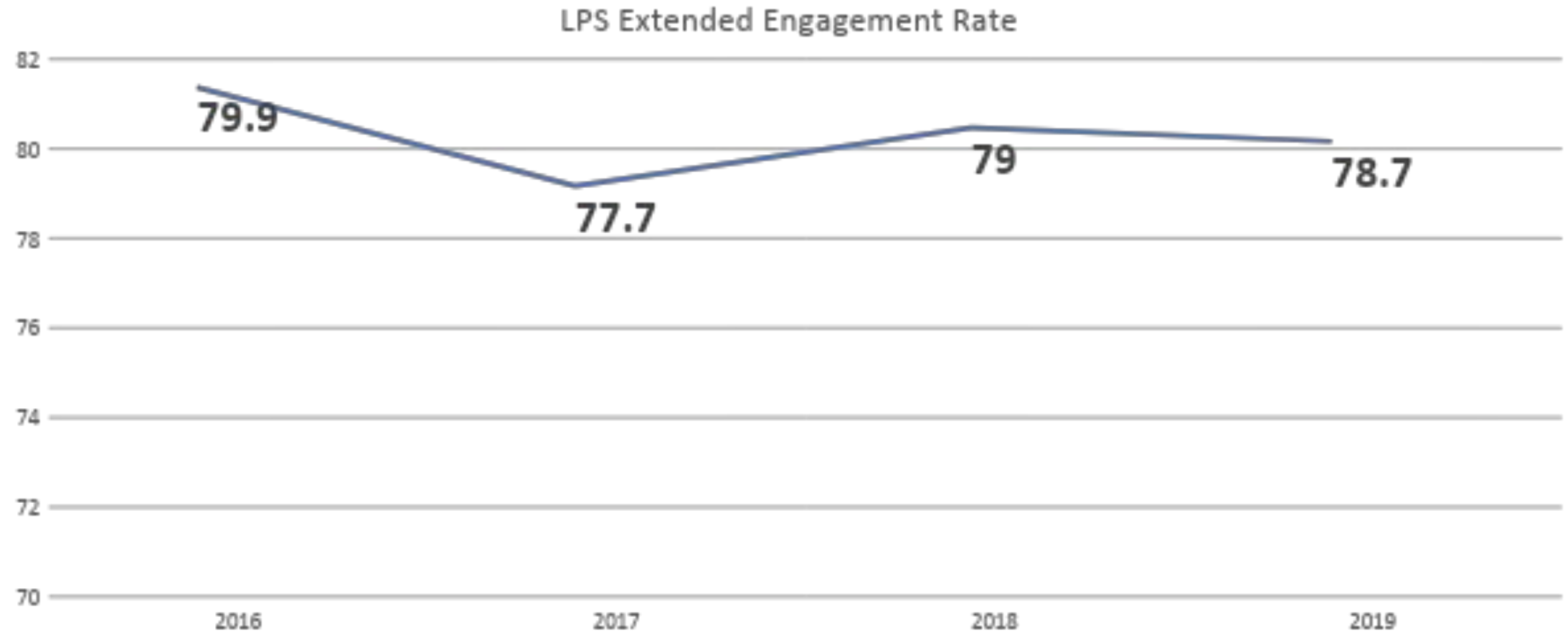
Additional Indicators

Historical 4-year Graduation Rates (HS)

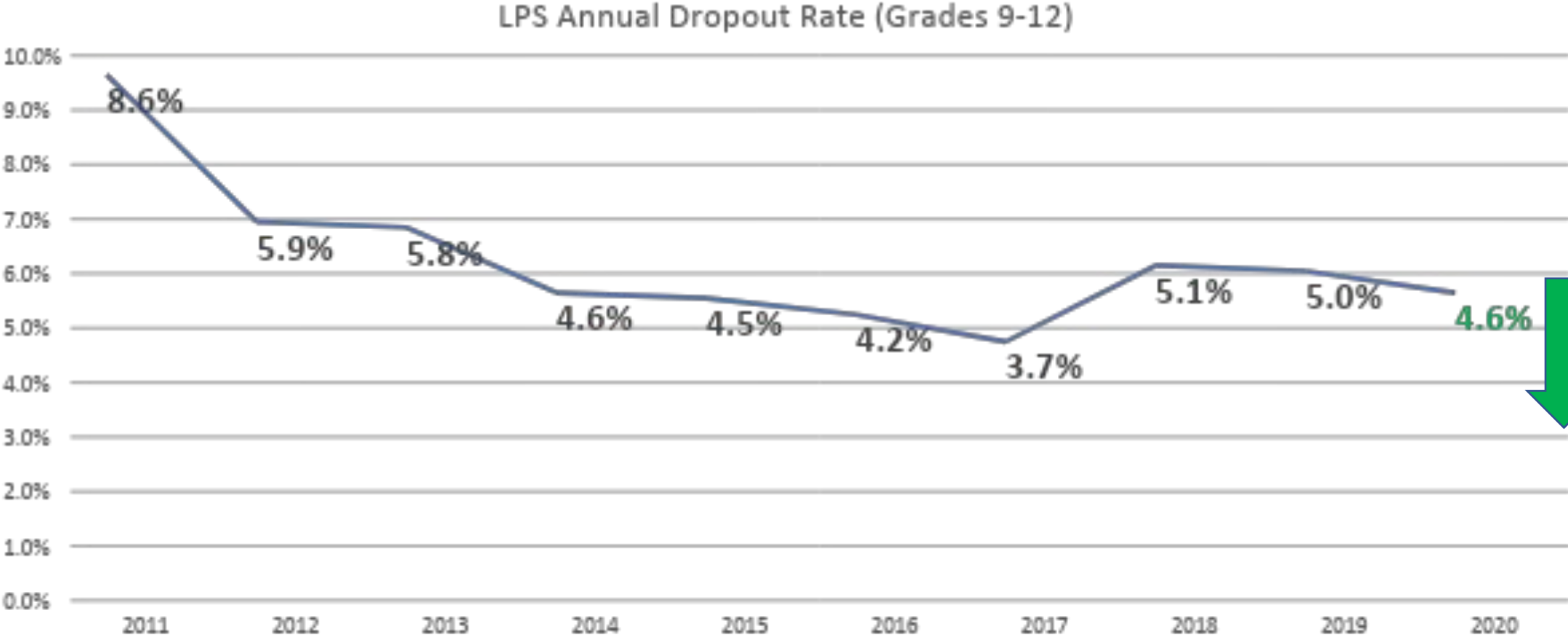


Extended Engagement Rates (HS)

The extended engagement rate is the total of the five-year cohort graduation rate plus the percentage of students from the cohort that remain enrolled in the school after five years.

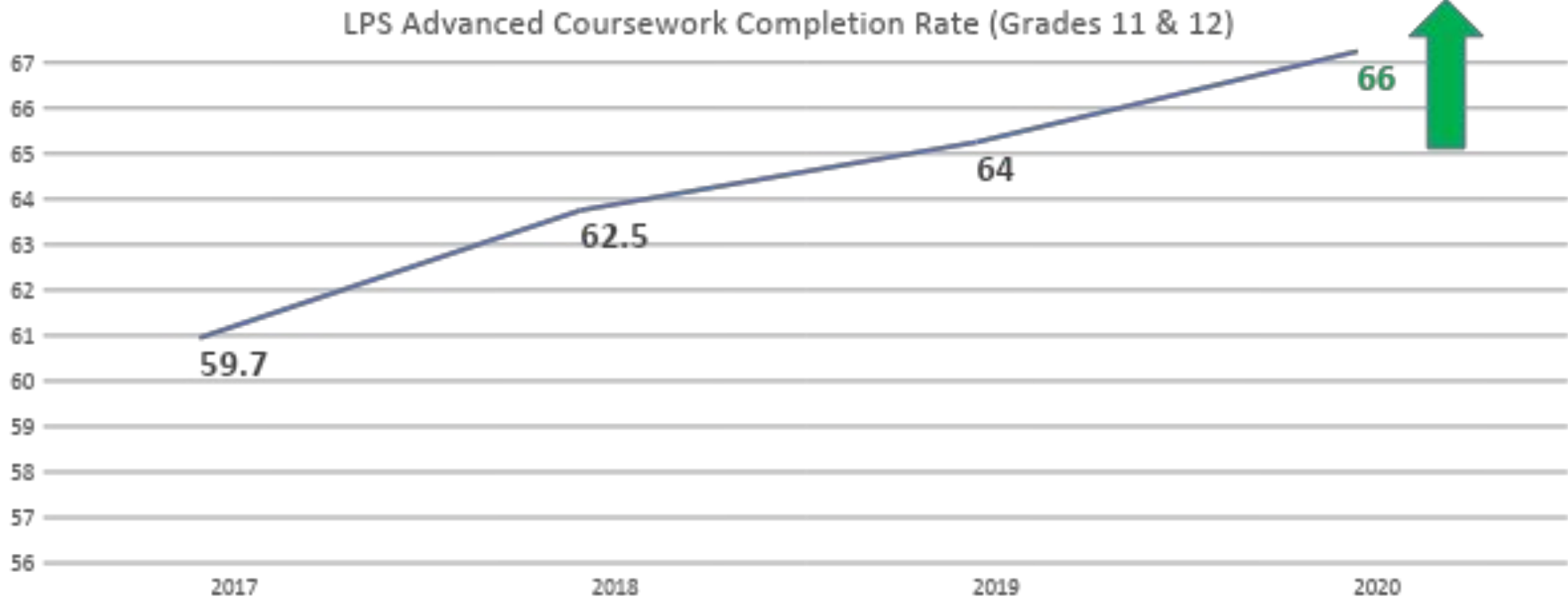


Annual Dropout Rate (HS)



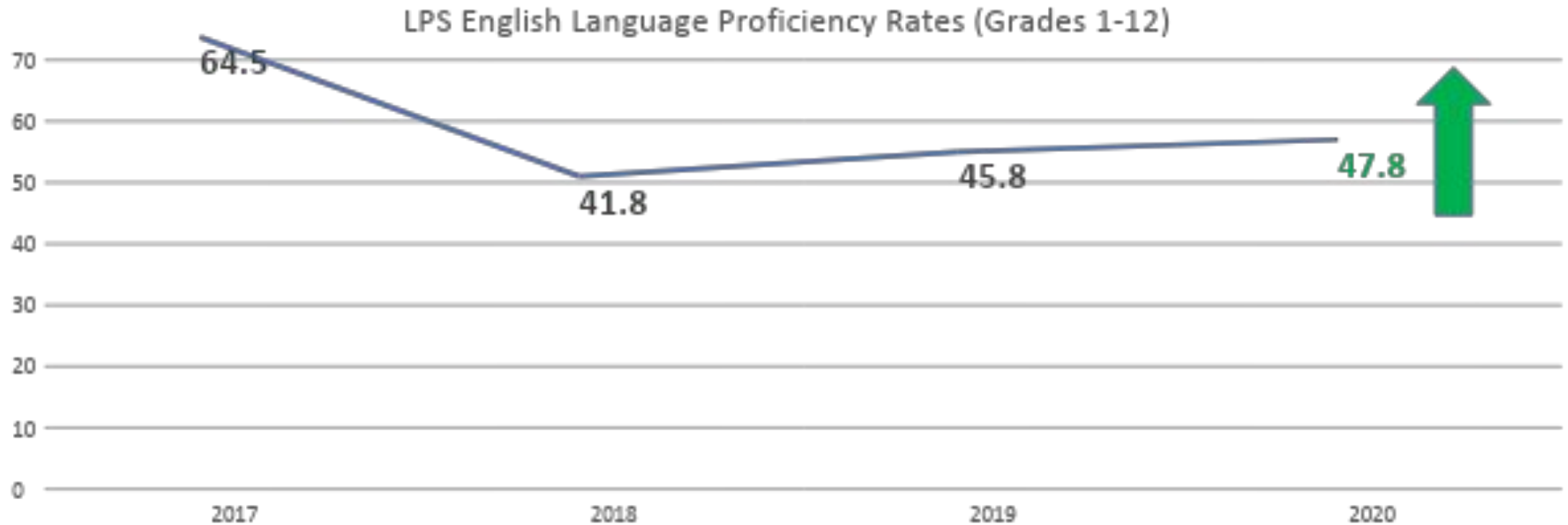
Advanced Coursework Completion (HS)

This indicator is reported as the percentage of all students enrolled in 11th and 12th grade that achieve a passing score in at least one advanced course.



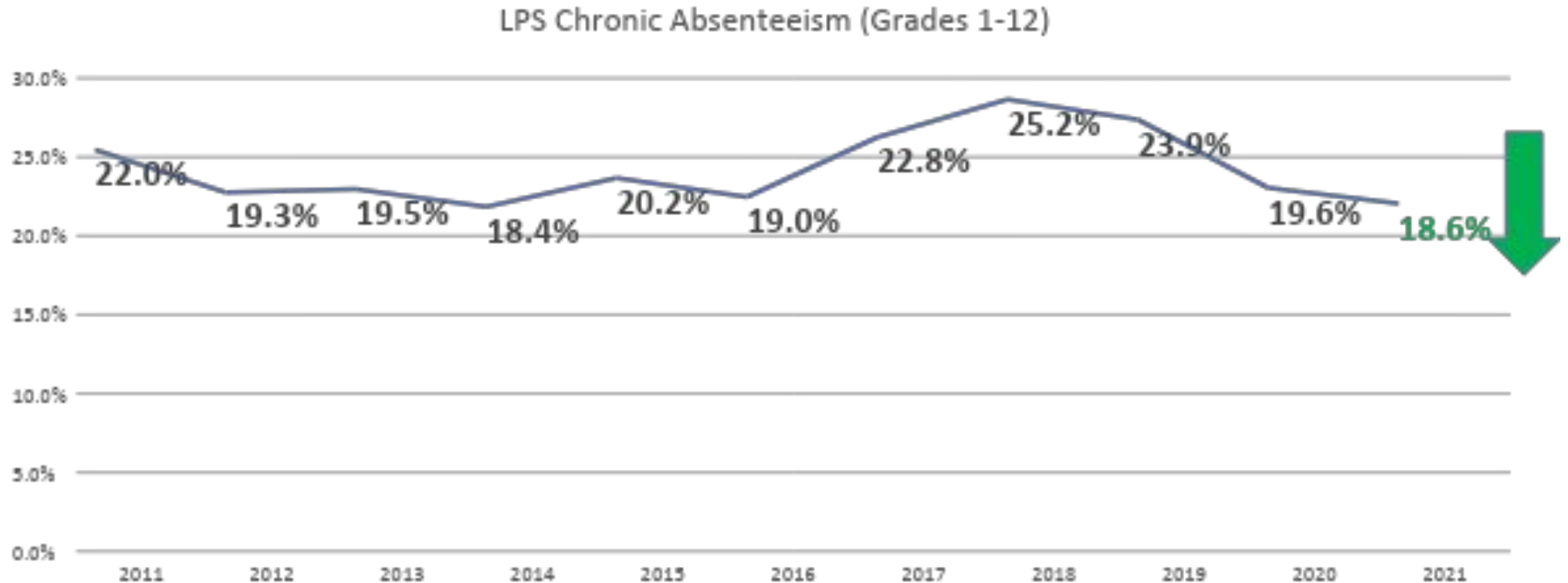
Progress toward Attaining English Language Proficiency

The percentage of English Learners who meet annual targets that keep them on track to attaining English proficiency over six years, based on results from the ACCESS for ELLs assessment.



Historical Chronic Absenteeism

The percentage of students missing 10% or more of their days enrolled. The chronic absenteeism rate includes both excused and unexcused absences, and is calculated for students in grades 1-12.



Questions and Answers

Lawrence 2021 MCAS results are posted publicly on the DESE website in the School and District Profiles:

<https://profiles.doe.mass.edu/>