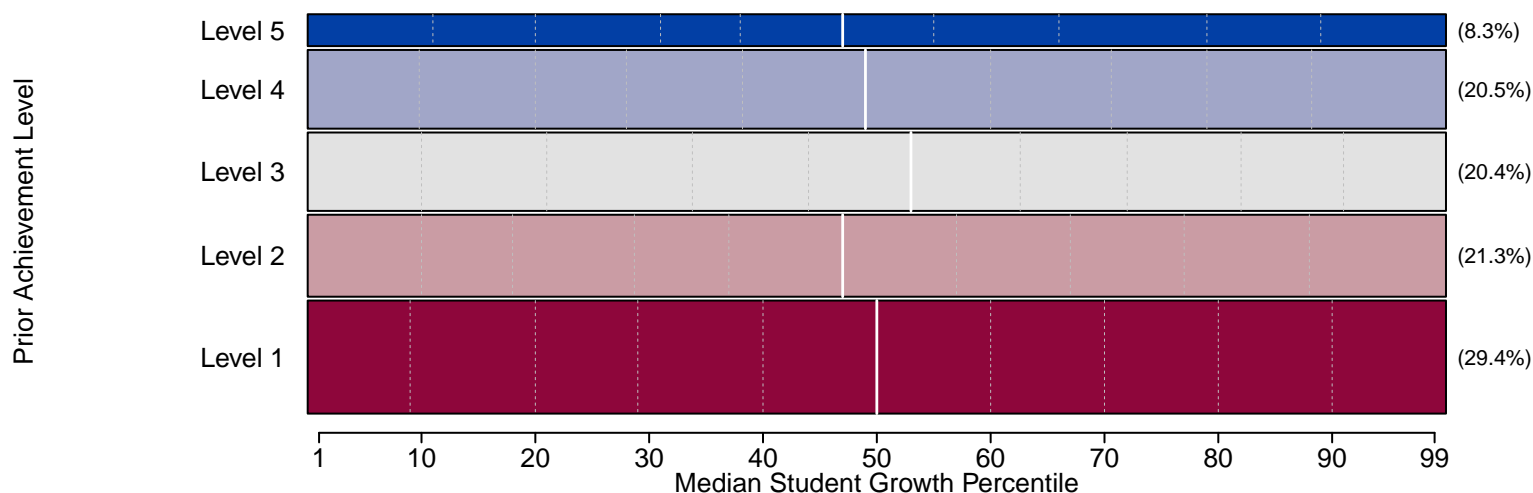# Student Growth Percentile Goodness–of–Fit Descriptives

2018–2019.1 ELA SGP, Grade 11 (N = 2,483)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level:

- Level 5 (8.3%)
- Level 4 (20.5%)
- Level 3 (20.4%)
- Level 2 (21.3%)
- Level 1 (29.4%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

Ceiling / Floor Effects Test

Student Growth Percentile Range

Current Observed Score Extremes (Range)

		1 to 5	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 94	95 to 99	
Lowest OSS:	[−5.244,−2.834)	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 27
	[−2.834,−2.772]	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 27
Highest OSS:	[2.364,2.635)	4.0	0.0	0.0	0.0	0.0	0.0	8.0	12.0	20.0	20.0	12.0	24.0	N = 25
	[2.635,4.342]	0.0	0.0	0.0	0.0	0.0	4.0	4.0	8.0	16.0	24.0	12.0	32.0	N = 25

Student Growth Percentile Range

Prior Scale Score Decile/Range*

	1 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	
1st/[−4.1,−1.6]	10.10	8.65	10.10	11.06	11.54	11.54	10.10	8.17	11.06	7.69	(8.4%)
2nd/[−1.6,−1.2]	10.73	8.30	11.76	9.69	7.27	9.69	9.00	11.07	7.96	14.53	(11.6%)
3rd/[−1.2,−0.87]	9.40	11.11	10.26	6.84	11.54	9.40	10.26	10.26	12.82	8.12	(9.4%)
4th/[−0.87,−0.61]	9.31	10.53	9.31	11.34	11.34	10.12	11.74	7.69	10.93	7.69	(9.9%)
5th/[−0.61,−0.33]	10.55	9.28	11.81	11.39	10.55	7.59	9.28	10.13	8.02	11.39	(9.5%)
6th/[−0.33,−0.05]	8.58	10.45	8.58	8.58	8.58	10.82	10.07	13.43	9.70	11.19	(10.8%)
7th/[−0.05,0.22]	10.46	9.62	8.37	8.37	10.88	13.39	10.88	5.86	10.04	12.13	(9.6%)
8th/[0.22,0.62]	8.40	11.07	14.50	11.83	11.07	6.49	8.40	10.69	9.92	7.63	(10.6%)
9th/[0.62,1.1]	11.16	9.50	7.02	8.26	7.44	11.57	11.57	10.33	11.57	11.57	(9.7%)
10th/[1.1,3.9]	9.73	9.73	10.51	10.89	10.51	9.73	9.73	10.51	8.95	9.73	(10.4%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100