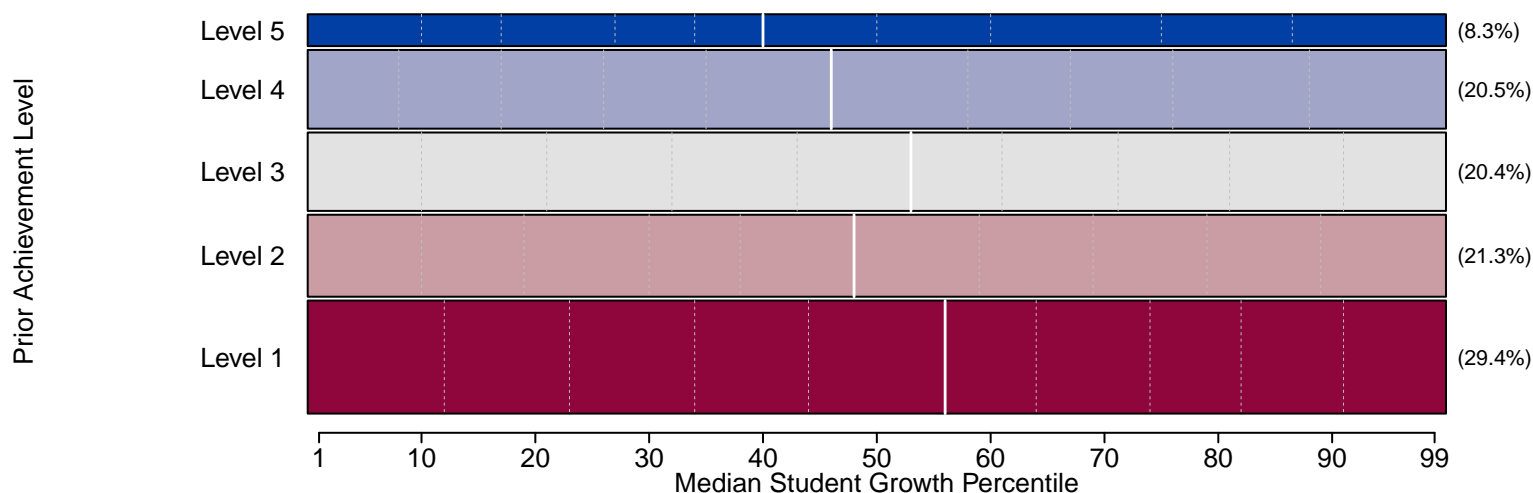# Student Growth Percentile Goodness–of–Fit Descriptives

2018–2019.1 ELA SGP SIMEX Ranked, 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%)

X-axis: Median Student Growth Percentile (1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99)

Ceiling / Floor Effects Test

Current Observed Score Extremes (Range)

Student Growth Percentile 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]	88.9	11.1	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)	0.0	0.0	0.0	4.0	0.0	4.0	12.0	20.0	12.0	20.0	8.0	20.0	N = 25
[2.635,4.342]	0.0	0.0	0.0	0.0	0.0	4.0	8.0	8.0	16.0	32.0	8.0	24.0	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)	7.21	8.17	9.62	10.10	12.50	10.58	12.02	8.65	12.50	8.65	(8.4%)
2nd/[−1.6,−1.2)	8.65	7.96	8.30	9.34	10.03	8.65	9.00	12.46	10.03	15.57	(11.6%)
3rd/[−1.2,−0.87)	7.26	11.11	10.68	5.98	10.26	8.97	12.39	11.11	10.68	11.54	(9.4%)
4th/[−0.87,−0.61)	9.31	8.91	8.50	10.93	9.72	11.34	12.15	8.91	11.74	8.50	(9.9%)
5th/[−0.61,−0.33)	10.13	10.13	10.55	10.13	12.66	6.75	9.28	10.13	8.86	11.39	(9.5%)
6th/[−0.33,−0.05)	8.58	10.45	8.58	10.07	8.58	11.19	8.21	12.31	11.19	10.82	(10.8%)
7th/[−0.05,0.22)	10.04	9.21	12.13	7.11	11.72	13.81	11.30	5.02	8.37	11.30	(9.6%)
8th/[0.22,0.62)	9.54	13.74	12.60	11.07	9.92	8.40	8.02	9.54	9.16	8.02	(10.6%)
9th/[0.62,1.1)	12.81	9.50	7.85	9.09	7.44	10.33	11.57	11.16	8.68	11.57	(9.7%)
10th/[1.1,3.9]	10.12	11.28	11.28	15.56	8.95	9.34	7.78	8.95	9.34	7.39	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0–100), Empirical SGP Distribution (0–100)