Student Growth Percentile Goodness–of–Fit Descriptives
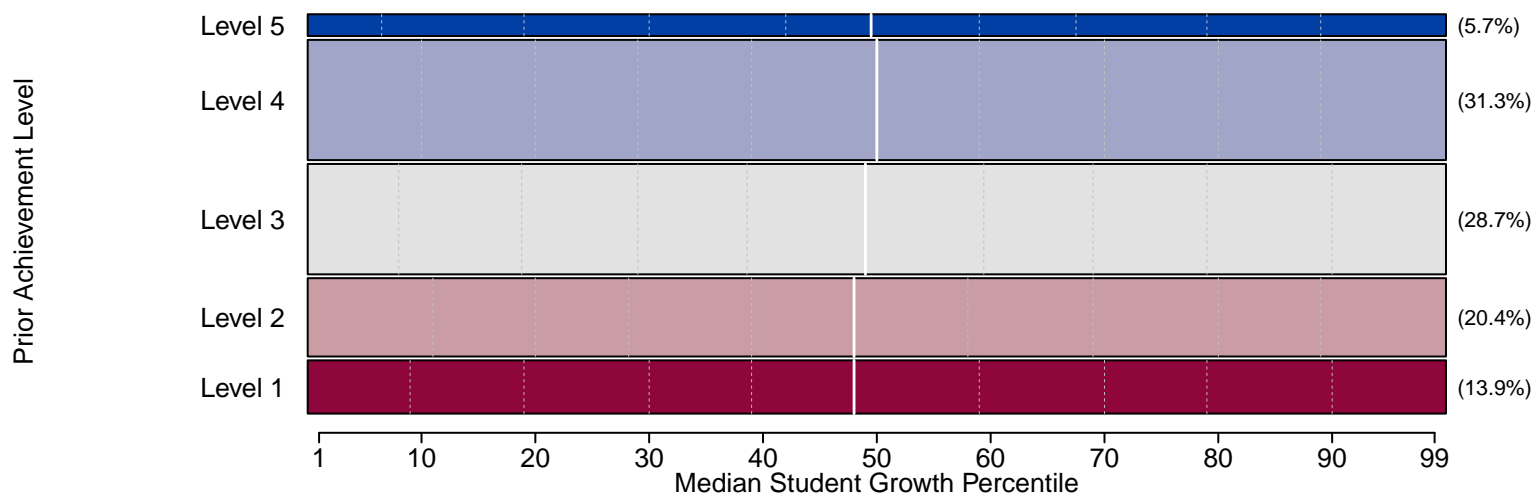## 2016–2017.1 ELA SGP, Grade 10 (N = 2,574)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level	
Level 5	(5.7%)
Level 4	(31.3%)
Level 3	(28.7%)
Level 2	(20.4%)
Level 1	(13.9%)

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:	[−5.47,−2.29)	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 = 21
	[−2.29,−1.97]	46.5	27.9	23.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 43
Highest OSS:	[2.1,2.57]	0.0	4.0	0.0	0.0	4.0	8.0	12.0	4.0	4.0	24.0	16.0	24.0	N = 25
	[2.57,4.19]	0.0	0.0	0.0	0.0	4.0	0.0	0.0	16.0	4.0	28.0	20.0	28.0	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/[−4.26,−1.36)	11.51	11.51	9.13	9.52	10.32	8.33	9.92	11.11	8.73	9.92	(9.8%)
2nd/[−1.36,−0.921)	10.94	9.38	8.59	9.38	10.55	11.33	9.77	9.77	10.16	10.16	(9.9%)
3rd/[−0.921,−0.556)	9.85	8.71	11.36	10.23	11.36	8.71	10.61	9.47	10.23	9.47	(10.3%)
4th/[−0.556,−0.272)	9.38	7.81	10.94	12.11	8.20	11.33	8.20	11.33	10.16	10.55	(9.9%)
5th/[−0.272,−0.0324)	11.07	10.67	8.70	8.30	8.30	9.88	13.44	7.91	10.28	11.46	(9.8%)
6th/[−0.0324,0.197)	10.44	12.45	10.84	12.05	10.84	7.23	8.43	9.64	8.84	9.24	(9.7%)
7th/[0.197,0.492)	10.82	10.45	7.84	10.45	11.57	7.46	10.45	8.96	10.45	11.57	(10.4%)
8th/[0.492,0.83)	8.56	7.00	12.84	8.56	9.73	14.40	7.39	12.06	10.89	8.56	(10%)
9th/[0.83,1.26)	10.34	13.03	10.73	8.81	9.20	8.81	10.73	8.05	10.34	9.96	(10.1%)
10th/[1.26,3.23]	10.47	9.30	8.91	11.24	10.85	10.47	9.69	10.47	9.69	8.91	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution