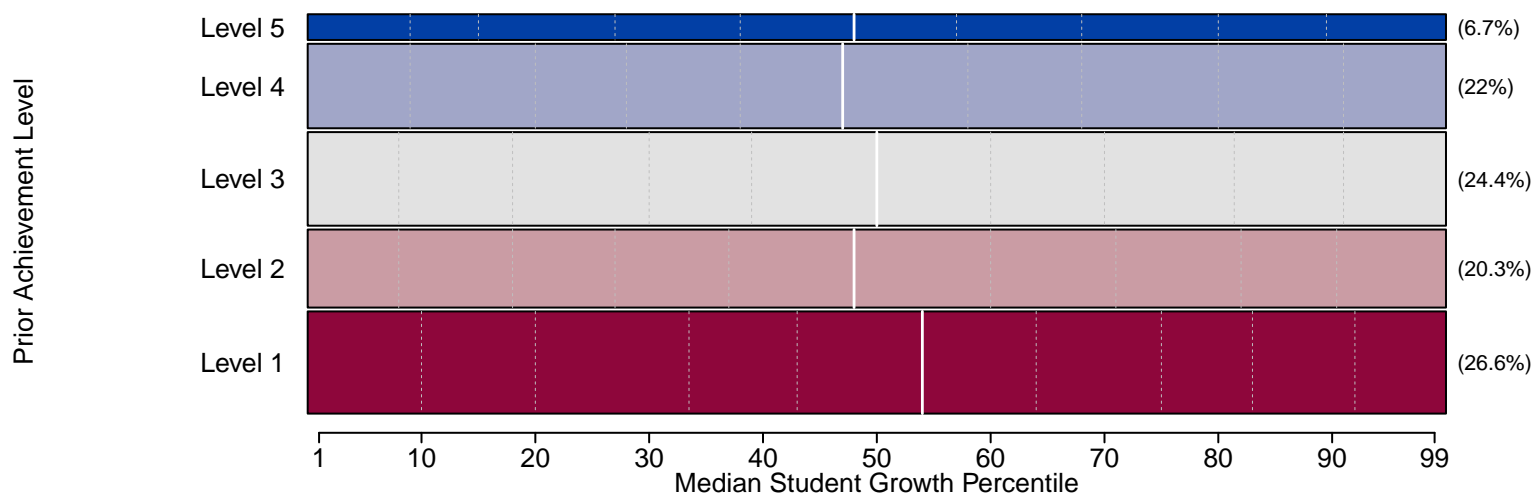# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.1 ELA SGP SIMEX, Grade 11 (N = 4,119)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level (vertical axis), Median Student Growth Percentile (horizontal axis, 1 to 99)

- Level 5 — (6.7%)
- Level 4 — (22%)
- Level 3 — (24.4%)
- Level 2 — (20.3%)
- Level 1 — (26.6%)

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:	[−3.93,−2.79)	85.7	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 14
	[−2.79,−2.55)	87.8	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 41
Highest OSS:	[2.34,2.64]	4.0	0.0	0.0	4.0	0.0	8.0	8.0	4.0	12.0	8.0	16.0	36.0	N = 25
	[2.64,3.72]	0.0	0.0	0.0	3.7	3.7	0.0	7.4	11.1	3.7	22.2	11.1	37.0	N = 27

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/[−15,−1.52)	8.67	10.20	7.91	9.44	7.40	9.95	10.71	12.24	9.69	13.78	(9.5%)
2nd/[−1.52,−1.13)	9.20	9.20	7.51	9.93	8.72	10.41	10.17	10.65	11.86	12.35	(10%)
3rd/[−1.13,−0.779)	12.11	11.38	9.20	8.72	6.78	10.41	11.62	8.72	11.14	9.93	(10%)
4th/[−0.779,−0.488)	11.68	10.51	8.88	12.15	7.71	7.94	8.88	10.28	10.98	10.98	(10.4%)
5th/[−0.488,−0.235)	10.35	9.85	10.61	8.59	11.62	10.35	7.32	9.09	10.86	11.36	(9.6%)
6th/[−0.235,0.0127)	13.15	9.39	6.34	10.09	9.86	8.22	10.80	10.33	9.86	11.97	(10.3%)
7th/[0.0127,0.236)	11.84	8.70	9.66	12.08	8.45	10.14	8.70	8.21	11.84	10.39	(10.1%)
8th/[0.236,0.553)	10.65	7.51	13.80	11.86	11.14	8.96	8.23	7.99	7.99	11.86	(10%)
9th/[0.553,1.03)	10.95	10.95	9.70	8.46	10.70	9.45	10.20	9.20	10.20	10.20	(9.8%)
10th/[1.03,4.68]	9.48	12.32	8.53	10.19	10.43	10.43	10.19	7.82	9.00	11.61	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (horizontal axis, 0 to 100), Empirical SGP Distribution (vertical axis, 0 to 100)