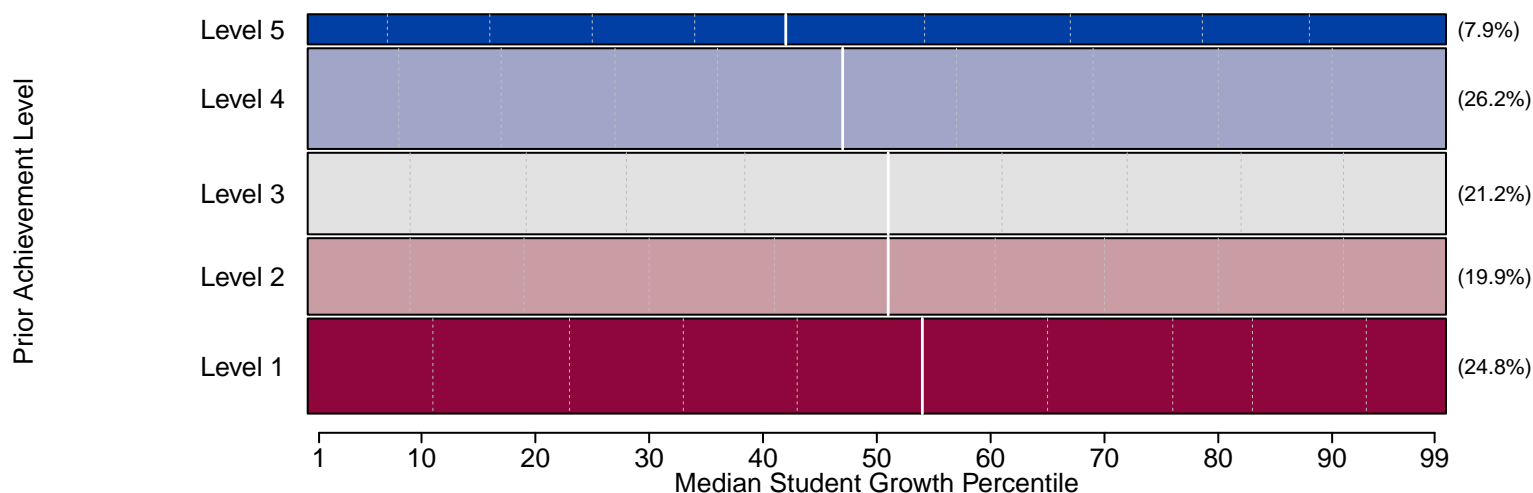# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.1 ELA SS SGP SIMEX, Grade 11 (N = 4,366)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level:
- Level 5 (7.9%)
- Level 4 (26.2%)
- Level 3 (21.2%)
- Level 2 (19.9%)
- Level 1 (24.8%)

Median Student Growth Percentile (axis: 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:	[650,662]	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 = 17
	[662,667]	84.2	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 38
Highest OSS:	[829,841)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2	8.3	20.8	8.3	33.3	N = 24
	[841,850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	32.1	10.7	50.0	N = 28

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/[650,674)	8.70	7.49	9.90	7.49	9.18	8.45	11.84	12.08	8.21	16.67	(9.5%)
2nd/[674,692)	9.20	10.11	8.74	8.51	11.95	8.28	9.66	10.57	10.34	12.64	(10%)
3rd/[692,707)	9.11	9.11	10.00	11.33	8.00	8.89	11.56	10.22	10.22	11.56	(10.3%)
4th/[707,719)	8.83	9.79	8.59	8.59	9.07	9.31	11.69	10.50	9.79	13.84	(9.6%)
5th/[719,731)	11.58	10.69	8.69	10.47	8.46	9.35	9.80	9.13	10.02	11.80	(10.3%)
6th/[731,742)	10.30	9.37	12.65	10.54	7.03	8.67	10.30	10.30	10.07	10.77	(9.8%)
7th/[742,754)	10.61	11.51	9.93	8.35	9.71	10.61	10.61	7.45	9.71	11.51	(10.1%)
8th/[754,769)	13.08	9.53	9.98	10.20	9.76	7.32	9.98	9.76	9.31	11.09	(10.3%)
9th/[769,788)	12.30	12.99	7.66	12.76	6.96	9.51	8.82	8.58	9.98	10.44	(9.9%)
10th/[788,850]	12.75	10.51	12.08	7.61	12.53	8.50	8.72	8.28	10.51	8.50	(10.2%)

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

QQ–Plot: Student Growth Percentiles

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

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