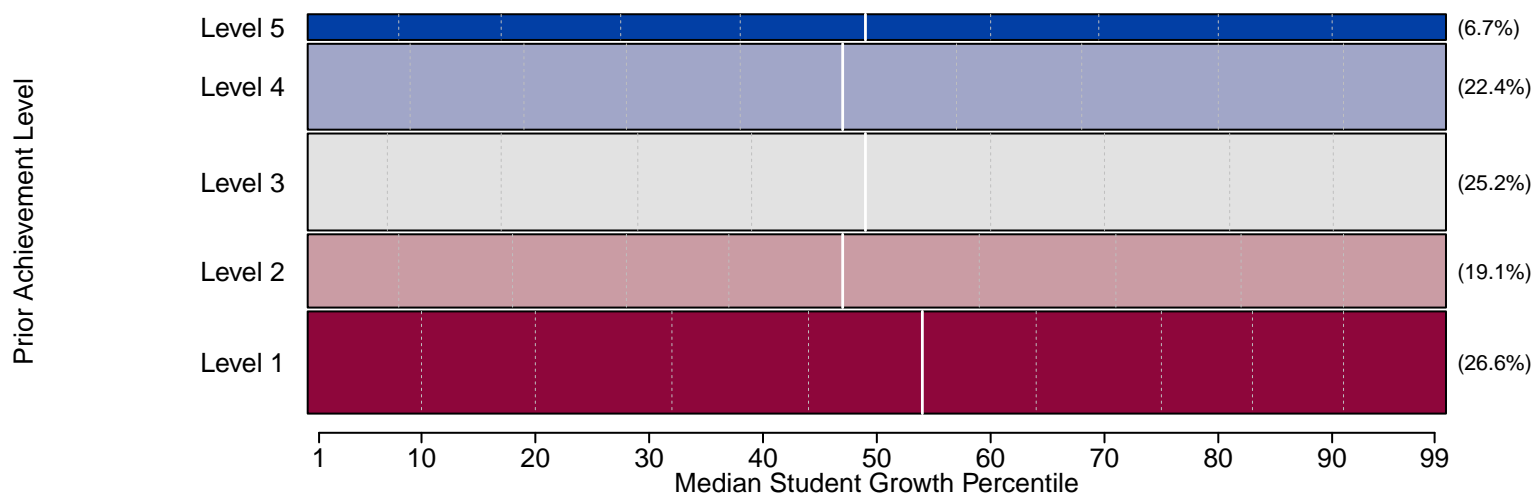# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.1 ELA SS SGP SIMEX, Grade 11 (N = 4,119)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level:
- Level 5 (6.7%)
- Level 4 (22.4%)
- Level 3 (25.2%)
- Level 2 (19.1%)
- Level 1 (26.6%)

Median Student Growth Percentile (axis: 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:	[650]	94.5	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 55
Highest OSS:	[820,831)	0.0	0.0	0.0	0.0	8.0	12.0	4.0	4.0	16.0	4.0	12.0	40.0	N = 25
	[831,850]	0.0	0.0	0.0	0.0	0.0	0.0	3.7	14.8	7.4	18.5	29.6	25.9	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/[650,673)	9.44	9.18	9.18	8.93	6.63	9.18	8.67	15.05	10.71	13.01	(9.5%)
2nd/[673,690)	9.69	9.20	6.30	11.14	8.23	11.14	9.20	10.65	11.86	12.59	(10%)
3rd/[690,705)	11.14	10.17	11.38	9.20	6.78	9.93	10.90	8.23	8.47	13.80	(10%)
4th/[705,717)	12.14	10.29	9.23	10.55	8.44	9.50	7.12	11.61	10.29	10.82	(9.2%)
5th/[717,728)	10.59	10.35	10.12	7.76	12.71	10.59	7.29	7.76	10.12	12.71	(10.3%)
6th/[728,739)	13.45	8.52	8.07	10.09	8.07	9.42	11.21	10.09	9.19	11.88	(10.8%)
7th/[739,749)	12.08	8.94	9.90	11.59	8.45	9.42	9.42	8.70	10.87	10.63	(10.1%)
8th/[749,762)	10.17	8.47	12.35	11.62	13.32	8.47	7.75	7.99	7.75	12.11	(10%)
9th/[762,783)	11.93	11.93	8.88	8.38	9.90	9.39	9.14	9.39	10.41	10.66	(9.6%)
10th/[783,850]	10.00	11.16	7.91	11.40	9.53	9.53	11.16	9.07	8.14	12.09	(10.4%)

*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)