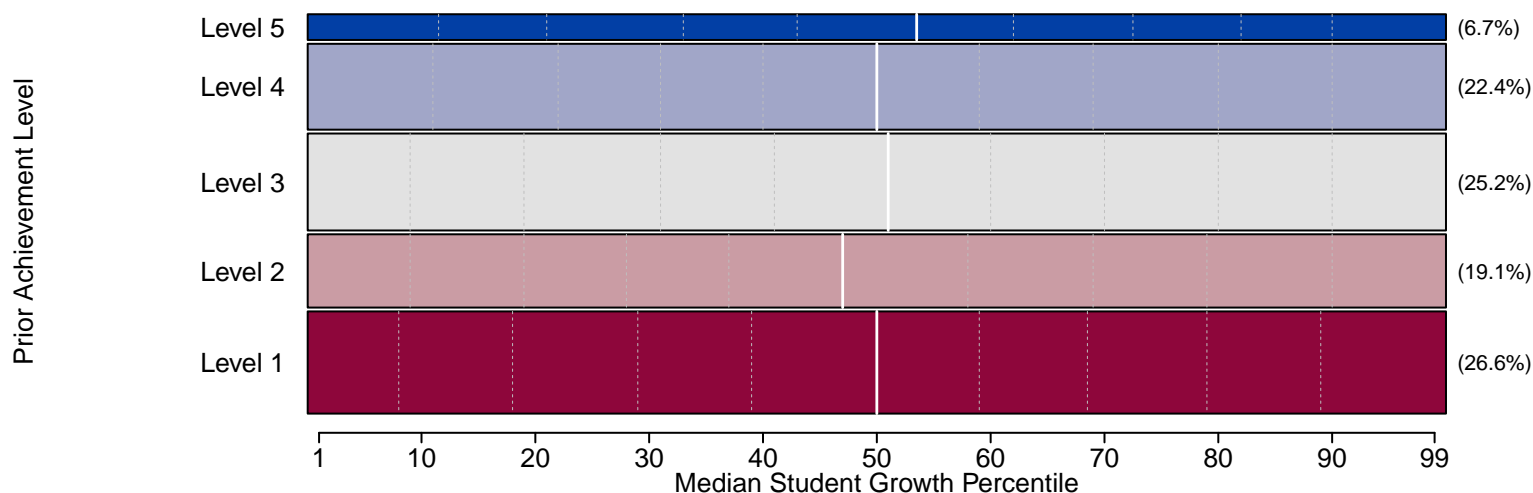# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.1 ELA SS SGP, 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%)

X-axis: 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:	[650]	98.2	1.8	0.0	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	4.0	4.0	12.0	8.0	4.0	16.0	16.0	36.0	N = 25
	[831,850]	0.0	0.0	0.0	0.0	0.0	0.0	3.7	11.1	11.1	22.2	22.2	29.6	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)	11.73	10.20	10.46	10.20	7.14	9.95	10.97	9.69	10.46	9.18	(9.5%)
2nd/[673,690)	11.38	9.20	6.54	11.14	10.90	11.62	9.20	11.38	8.47	10.17	(10%)
3rd/[690,705)	11.62	11.38	10.41	9.44	7.99	11.62	9.69	7.75	10.65	9.44	(10%)
4th/[705,717)	11.35	10.29	10.82	10.03	9.76	8.18	10.03	11.61	8.71	9.23	(9.2%)
5th/[717,728)	9.41	9.65	10.12	9.18	12.94	10.35	8.71	8.47	9.88	11.29	(10.3%)
6th/[728,739)	11.43	8.97	8.07	10.09	8.74	10.31	12.11	9.42	10.09	10.76	(10.8%)
7th/[739,749)	9.90	9.42	9.66	10.14	9.18	11.11	8.70	10.87	10.63	10.39	(10.1%)
8th/[749,762)	8.23	8.96	10.90	13.08	11.62	9.93	8.96	8.96	7.51	11.86	(10%)
9th/[762,783)	9.90	9.39	10.91	8.38	9.90	8.88	11.68	9.39	11.68	9.90	(9.6%)
10th/[783,850]	8.14	9.53	7.44	10.93	9.30	12.09	10.23	10.23	10.47	11.63	(10.4%)

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

QQ–Plot: Student Growth Percentiles

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