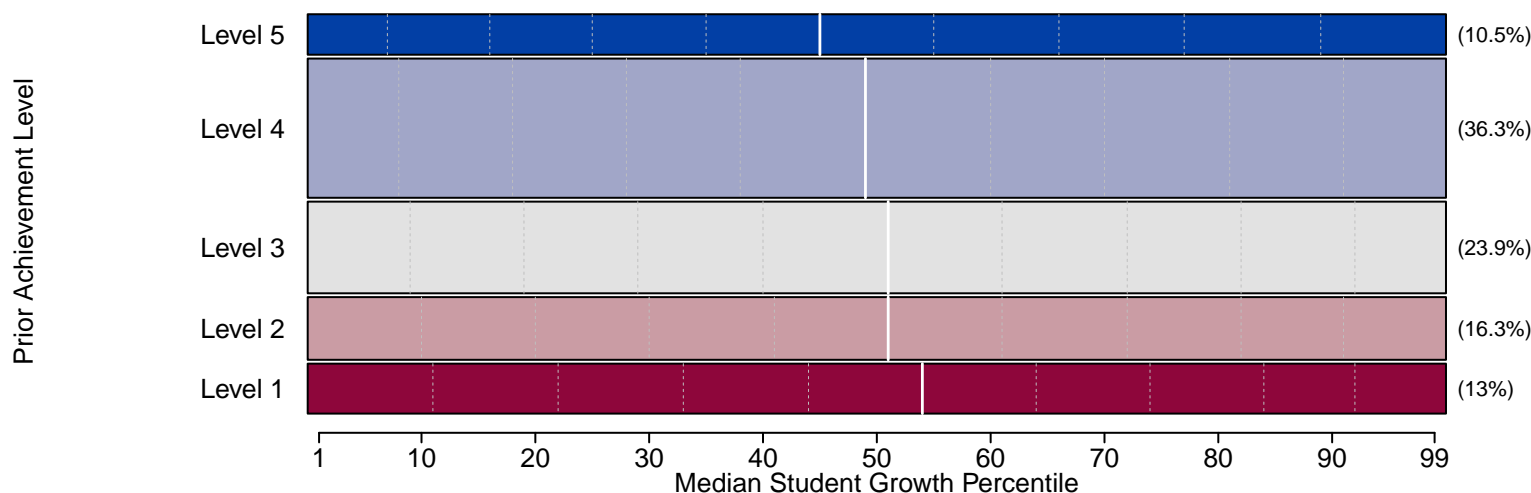# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 ELA SS SGP SIMEX, Grade 9 (N = 160,592)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level

Level	(%)
Level 5	(10.5%)
Level 4	(36.3%)
Level 3	(23.9%)
Level 2	(16.3%)
Level 1	(13%)

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]	88.1	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 764
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	18.3	11.6	16.2	53.5	N = 241

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/[650,692)	8.78	8.92	8.84	8.74	10.09	9.83	9.51	10.72	11.24	13.34	(9%)
2nd/[692,712)	9.25	9.51	9.77	9.42	9.67	9.64	9.45	10.38	10.55	12.36	(10.6%)
3rd/[712,725)	10.09	10.17	9.39	9.67	9.38	9.57	10.04	9.62	9.89	12.17	(9.8%)
4th/[725,737)	10.03	9.83	9.91	9.36	9.56	9.67	9.40	9.50	10.38	12.36	(10.4%)
5th/[737,746)	9.65	10.53	9.94	9.76	9.72	9.28	9.07	9.73	10.08	12.23	(9.4%)
6th/[746,757)	10.83	10.40	9.84	9.15	9.24	9.34	9.43	9.82	10.11	11.84	(10.8%)
7th/[757,766)	10.70	10.60	10.10	9.44	9.42	9.43	9.03	9.82	9.61	11.84	(8.9%)
8th/[766,778)	10.92	10.70	9.80	9.64	9.70	9.26	9.16	8.96	10.05	11.81	(10.4%)
9th/[778,795)	11.68	10.80	9.96	9.81	9.21	9.41	9.03	9.40	9.47	11.23	(10.5%)
10th/[795,850]	12.79	11.02	10.65	10.02	9.95	9.01	9.25	9.36	8.63	9.32	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution