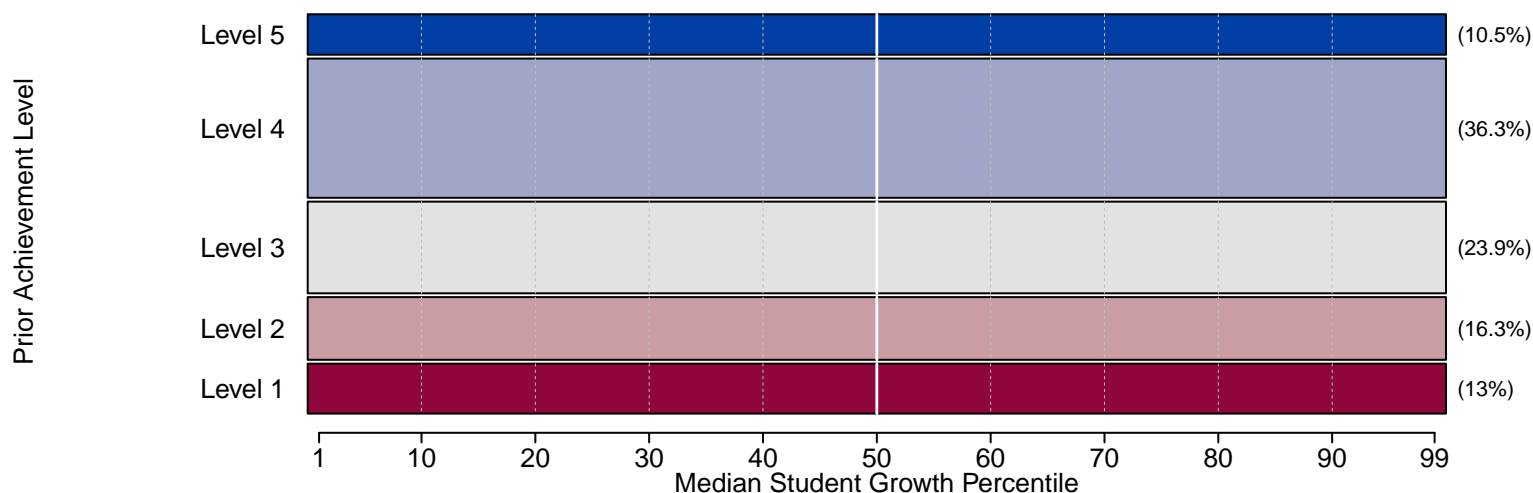# Student Growth Percentile Goodness–of–Fit Descriptives

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

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement 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]	98.6	1.4	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	0.0	9.1	12.4	14.5	63.9	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)	9.70	10.29	9.88	9.89	10.04	10.06	9.87	9.90	9.80	10.56	(9%)
2nd/[692,712)	9.39	9.90	10.16	10.12	10.12	9.85	9.82	10.08	10.24	10.32	(10.6%)
3rd/[712,725)	9.90	10.08	9.78	9.99	9.79	10.17	10.24	9.76	9.76	10.53	(9.8%)
4th/[725,737)	9.54	9.94	9.80	9.87	10.09	10.01	9.88	10.04	10.06	10.77	(10.4%)
5th/[737,746)	9.06	10.06	10.18	10.13	10.14	9.80	9.94	10.14	9.81	10.73	(9.4%)
6th/[746,757)	9.92	10.05	10.04	9.67	9.49	10.27	9.88	9.92	10.30	10.45	(10.8%)
7th/[757,766)	9.58	10.01	9.95	10.24	10.01	9.89	9.89	10.14	9.67	10.63	(8.9%)
8th/[766,778)	9.48	9.83	10.12	9.94	10.50	9.88	9.72	9.82	10.08	10.62	(10.4%)
9th/[778,795)	9.65	10.23	10.12	9.89	9.60	10.02	10.03	9.93	9.96	10.56	(10.5%)
10th/[795,850]	9.74	10.02	9.90	10.10	10.03	10.04	9.98	10.04	9.90	10.24	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution — Empirical SGP Distribution