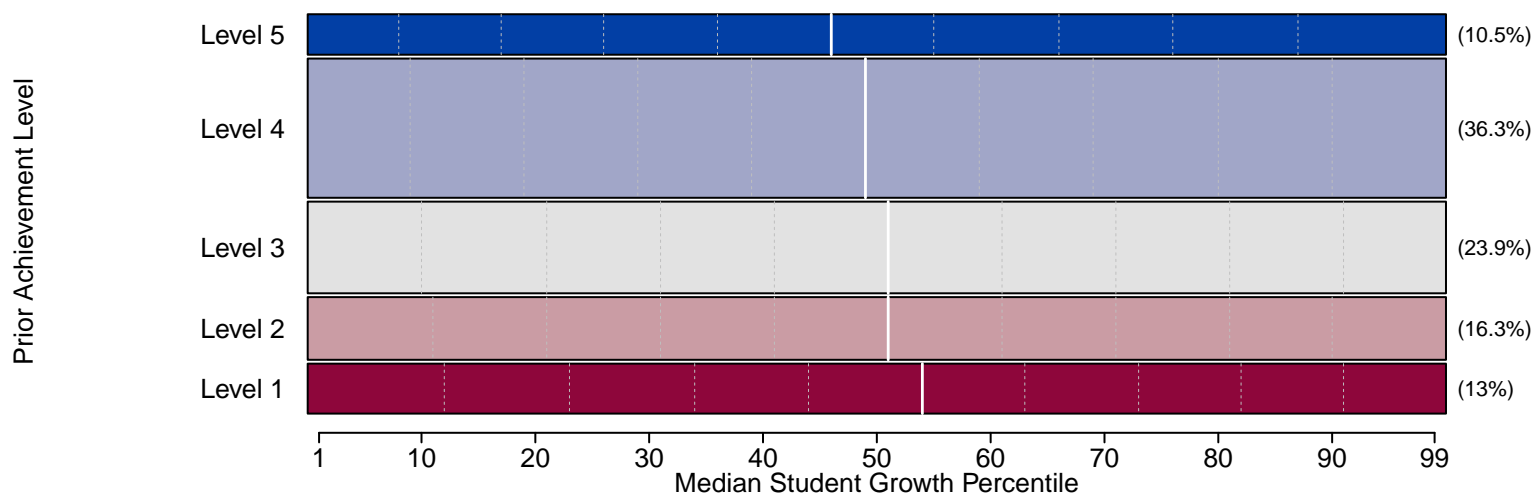# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 ELA SS SGP SIMEX Ranked, 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 (x-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]	84.3	15.7	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	5.0	14.5	13.7	17.0	49.8	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)	7.90	8.81	8.96	9.00	10.47	10.38	10.31	10.78	11.52	11.87	(9%)
2nd/[692,712)	8.43	9.06	10.11	9.75	10.07	10.17	10.27	10.41	10.82	10.91	(10.6%)
3rd/[712,725)	9.25	9.78	9.70	9.97	9.88	10.02	10.78	9.81	9.87	10.96	(9.8%)
4th/[725,737)	9.06	9.59	9.98	9.95	10.01	10.05	10.10	9.92	10.17	11.17	(10.4%)
5th/[737,746)	8.80	10.13	10.19	10.26	10.10	9.67	9.75	10.06	10.08	10.95	(9.4%)
6th/[746,757)	9.86	10.33	9.92	9.68	9.55	9.76	10.10	9.97	10.24	10.60	(10.8%)
7th/[757,766)	9.81	10.37	10.25	9.92	9.82	9.71	9.78	10.12	9.47	10.76	(8.9%)
8th/[766,778)	10.00	10.37	9.92	10.14	10.17	9.65	9.77	9.68	9.53	10.77	(10.4%)
9th/[778,795)	10.77	10.46	10.16	10.25	9.71	9.77	9.77	9.65	9.35	10.12	(10.5%)
10th/[795,850]	11.72	10.60	11.14	10.45	10.39	9.43	10.02	9.36	8.61	8.27	(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