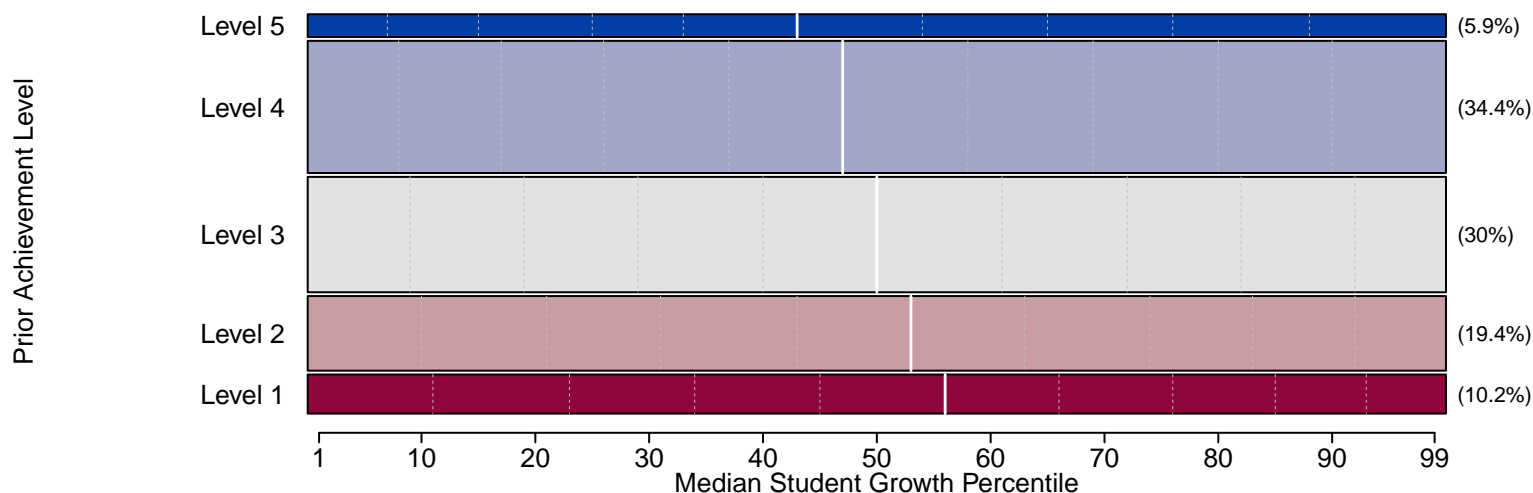# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 ELA SS SGP SIMEX, Grade 7 (N = 406,161)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level / Median Student Growth Percentile

- Level 5 (5.9%)
- Level 4 (34.4%)
- Level 3 (30%)
- Level 2 (19.4%)
- Level 1 (10.2%)

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]	87.2	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 1733
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	3.5	18.3	16.5	53.3	N = 1151

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/[650,699)	8.15	8.91	8.41	9.18	8.89	9.11	10.13	11.10	11.87	14.24	(9.7%)
2nd/[699,714)	9.13	9.39	9.30	8.92	9.05	9.11	10.58	9.89	11.29	13.33	(9.7%)
3rd/[714,725)	9.76	9.90	9.28	9.45	9.67	9.25	9.47	9.83	10.74	12.66	(10.2%)
4th/[725,734)	10.29	10.08	9.80	8.56	10.06	8.94	8.77	10.34	10.26	12.88	(10.3%)
5th/[734,742)	10.79	10.06	10.12	9.13	9.83	9.49	8.71	9.37	10.27	12.23	(9.7%)
6th/[742,750)	11.09	10.36	9.56	9.72	8.34	9.55	9.88	9.32	10.76	11.43	(10%)
7th/[750,758)	11.54	9.89	10.31	9.45	8.48	9.70	9.79	9.05	10.32	11.45	(9.6%)
8th/[758,768)	11.92	10.25	9.57	9.81	9.77	8.96	9.78	8.81	9.87	11.25	(10.4%)
9th/[768,781)	12.33	10.82	9.74	10.28	10.07	8.02	9.19	9.76	9.33	10.48	(10%)
10th/[781,850]	12.93	11.70	10.04	10.17	10.21	8.64	8.99	9.47	8.64	9.20	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution / Empirical SGP Distribution