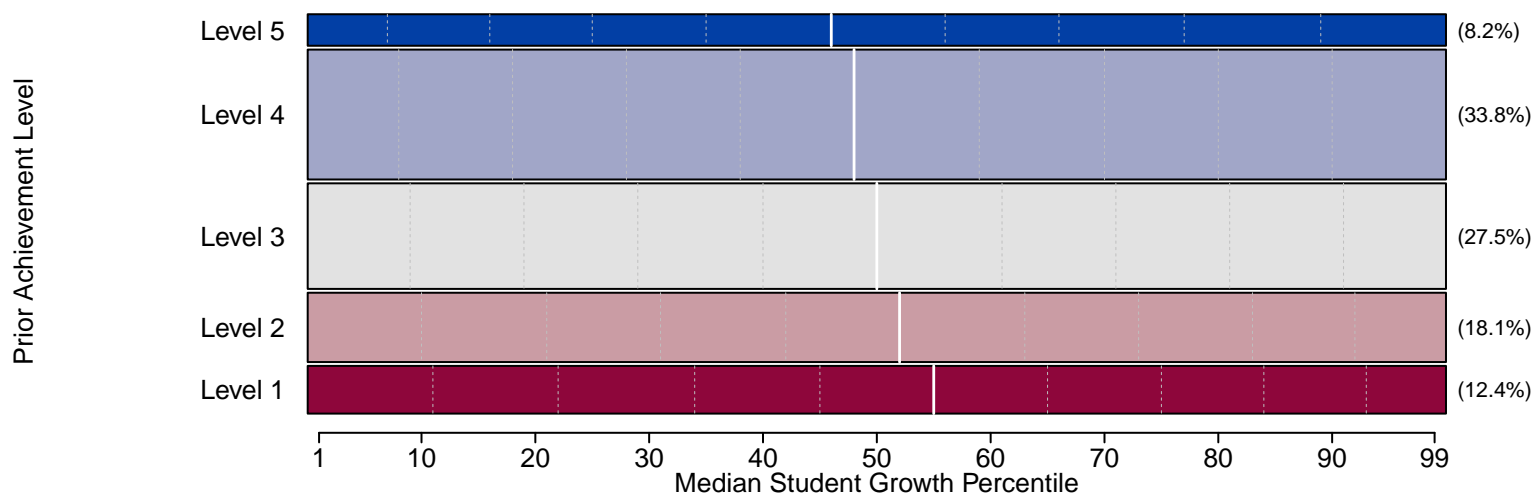# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.2 ELA SS SGP SIMEX, Grade 5 (N = 391,395)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level (vertical axis); Median Student Growth Percentile (horizontal axis, 1 to 99)

- Level 5 (8.2%)
- Level 4 (33.8%)
- Level 3 (27.5%)
- Level 2 (18.1%)
- Level 1 (12.4%)

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]	95.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 1503
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	12.3	73.6	N = 220

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/[650,695)	8.55	9.00	8.65	8.81	9.46	9.58	10.20	10.24	11.26	14.25	(10%)
2nd/[695,711)	9.12	9.18	9.41	9.06	9.49	9.56	9.58	10.27	10.86	13.48	(9.1%)
3rd/[711,723)	9.60	9.66	9.49	9.31	9.89	9.50	9.82	10.02	10.13	12.59	(9.7%)
4th/[723,733)	10.34	10.02	9.53	9.44	9.34	9.40	9.73	9.91	10.04	12.25	(10.5%)
5th/[733,742)	10.76	10.13	9.82	9.41	9.35	9.28	9.90	9.62	10.14	11.59	(9.6%)
6th/[742,751)	10.98	10.22	9.42	9.50	9.33	9.48	9.61	9.76	9.96	11.73	(9.8%)
7th/[751,761)	11.07	10.06	9.66	9.62	9.42	9.46	9.50	9.67	10.05	11.49	(10.6%)
8th/[761,772)	11.22	10.43	10.28	9.74	9.45	9.49	9.47	9.37	9.56	11.00	(10.6%)
9th/[772,786)	12.08	10.41	10.09	9.75	9.67	9.37	9.47	9.36	9.31	10.51	(9.9%)
10th/[786,850]	12.57	10.89	10.65	9.94	9.51	9.60	9.33	8.79	9.02	9.69	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (horizontal axis, 0 to 100); Empirical SGP Distribution (vertical axis, 0 to 100)