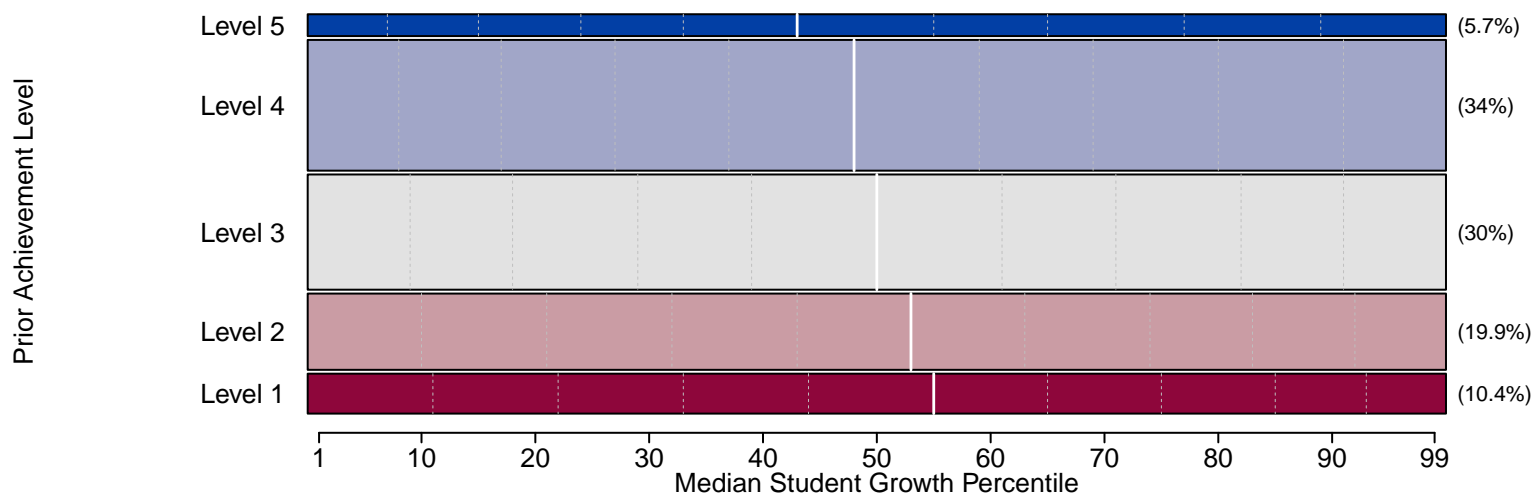# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 ELA SGP SIMEX, Grade 7 (N = 406,161)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level

Level 5	(5.7%)
Level 4	(34%)
Level 3	(30%)
Level 2	(19.9%)
Level 1	(10.4%)

Median Student Growth Percentile

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:	[−15,−4.094)	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 39
	[−4.094,−3.789]	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 39
Highest OSS:	[4.534,4.863)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	96.7	N = 30
	[4.863,15]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	N = 32

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/[−6,−1.393)	8.40	9.01	8.75	9.51	9.48	9.40	9.77	10.54	11.28	13.87	(10%)
2nd/[−1.393,−0.8705)	8.91	9.20	9.13	8.92	9.59	9.46	10.02	10.33	10.76	13.67	(10%)
3rd/[−0.8705,−0.5015)	9.71	9.71	9.22	9.36	9.56	9.40	9.63	10.04	10.60	12.78	(10%)
4th/[−0.5015,−0.1941)	10.47	10.31	9.64	9.07	9.25	8.92	9.71	9.68	10.44	12.50	(10%)
5th/[−0.1941,0.0905)	10.91	10.50	9.84	9.48	9.21	9.57	9.37	9.21	10.05	11.84	(10%)
6th/[0.0905,0.3676)	10.95	10.46	9.33	9.53	9.32	9.56	9.41	9.65	10.25	11.54	(10%)
7th/[0.3676,0.6629)	11.50	10.53	9.61	9.27	9.30	9.33	9.36	9.78	9.61	11.71	(10%)
8th/[0.6629,0.9973)	11.82	10.25	10.14	9.58	9.55	9.30	9.32	9.32	9.47	11.25	(10%)
9th/[0.9973,1.462)	12.36	10.86	10.04	10.02	9.42	9.16	9.24	9.15	9.24	10.49	(10%)
10th/[1.462,6.266]	13.11	11.73	10.28	10.06	9.70	8.79	9.09	9.02	8.78	9.45	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution