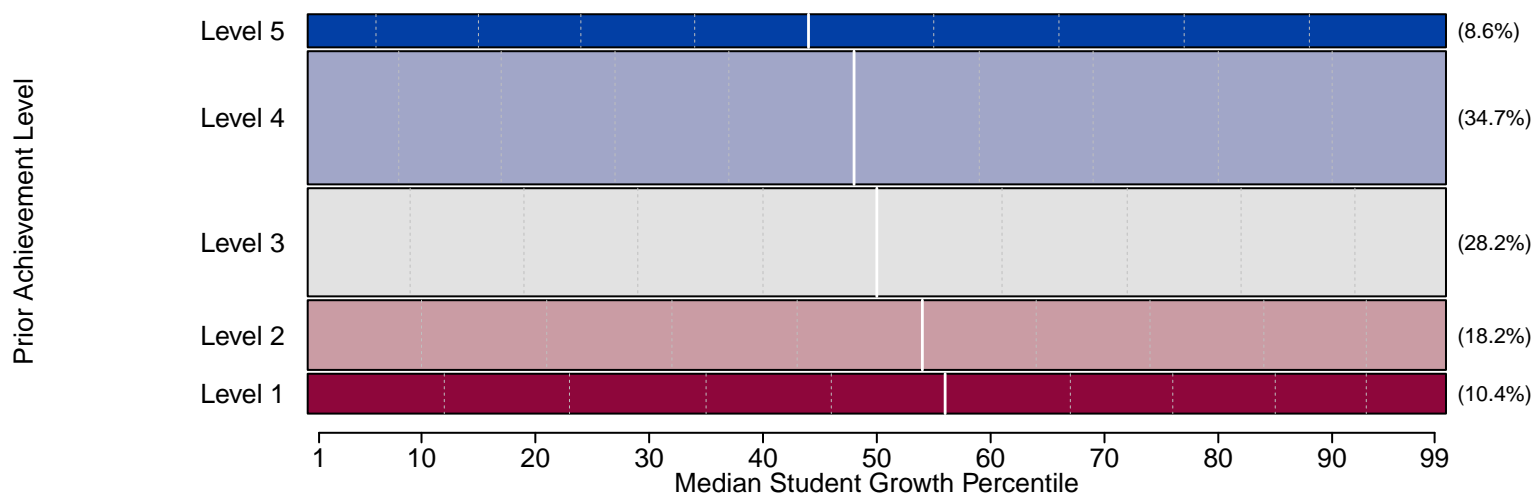# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 ELA SS SGP SIMEX, Grade 5 (N = 415,473)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level

Level 5	(8.6%)
Level 4	(34.7%)
Level 3	(28.2%)
Level 2	(18.2%)
Level 1	(10.4%)

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]	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 = 617
Highest OSS:	[850]	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 = 84

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)	8.42	8.28	8.79	8.71	8.84	9.70	9.89	10.90	11.80	14.66	(9.8%)
2nd/[699,715)	9.06	8.65	8.65	9.72	9.24	9.69	9.93	10.20	10.87	13.99	(9.9%)
3rd/[715,726)	9.81	9.41	9.24	9.90	8.98	8.67	9.94	9.94	10.98	13.14	(10%)
4th/[726,735)	10.42	9.93	9.37	8.96	10.00	9.30	9.14	10.10	10.23	12.55	(9.5%)
5th/[735,744)	11.02	9.73	9.57	9.97	9.21	9.24	9.45	9.36	10.23	12.23	(10.6%)
6th/[744,752)	11.03	10.09	10.05	9.57	9.00	9.09	9.54	9.54	10.09	12.00	(9.3%)
7th/[752,761)	11.52	10.34	9.98	9.77	9.15	9.42	9.30	9.77	9.75	11.01	(9.9%)
8th/[761,772)	12.19	10.69	9.69	9.40	9.54	9.80	9.41	9.25	9.29	10.75	(10.4%)
9th/[772,787)	12.45	10.86	9.73	10.04	9.66	9.48	8.99	9.35	9.05	10.40	(10.4%)
10th/[787,850]	13.63	11.29	10.31	9.97	9.65	9.32	9.06	9.06	8.40	9.31	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution