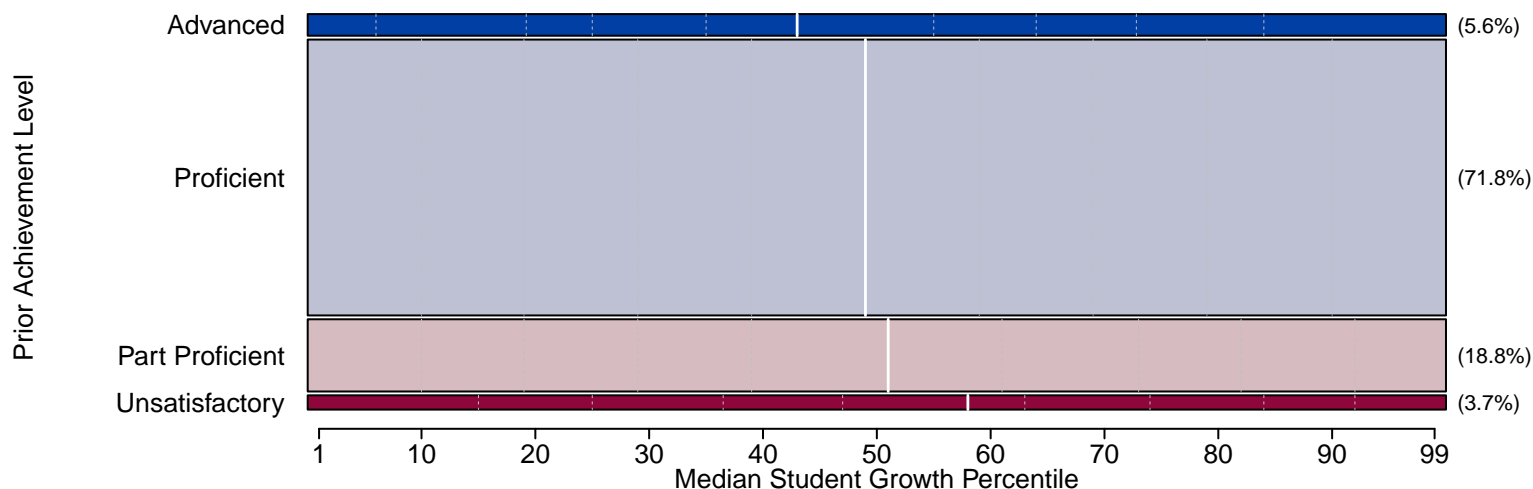# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Reading SGP SIMEX Ranked, Grade 10 (N = 4,201)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level

Advanced	(5.6%)
Proficient	(71.8%)
Part Proficient	(18.8%)
Unsatisfactory	(3.7%)

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:	[370,526)	58.3	12.5	8.3	8.3	8.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[526,546]	34.6	19.2	15.4	0.0	11.5	7.7	0.0	7.7	0.0	0.0	3.8	0.0	N = 26
Highest OSS:	[809,824)	0.0	0.0	0.0	0.0	0.0	0.0	4.2	16.7	4.2	33.3	8.3	33.3	N = 24
	[824,889]	0.0	0.0	0.0	0.0	0.0	0.0	3.8	7.7	7.7	30.8	19.2	30.8	N = 26

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/[350,612)	7.35	11.27	7.60	11.27	9.07	7.84	10.78	11.27	11.27	12.25	(9.7%)
2nd/[612,637)	9.72	11.14	9.24	9.72	8.77	11.37	9.72	8.53	9.24	12.56	(10%)
3rd/[637,654)	10.22	10.22	9.49	9.73	8.27	10.22	11.92	10.95	9.00	9.98	(9.8%)
4th/[654,667)	8.98	10.22	9.98	8.23	10.72	10.72	9.73	8.98	10.97	11.47	(9.5%)
5th/[667,678)	8.45	8.69	10.56	11.03	9.39	9.39	9.15	10.56	11.50	11.27	(10.1%)
6th/[678,689)	9.66	13.33	11.49	8.51	8.97	11.26	9.20	9.43	9.43	8.74	(10.4%)
7th/[689,699)	8.75	10.25	9.25	9.00	11.00	8.25	10.75	10.75	10.75	11.25	(9.5%)
8th/[699,712)	9.58	12.92	10.91	10.69	10.24	12.47	8.02	8.24	7.80	9.13	(10.7%)
9th/[712,729)	11.96	8.13	9.33	11.96	11.00	7.18	12.68	9.33	9.57	8.85	(10%)
10th/[729,813)	12.99	8.35	12.99	10.67	8.58	11.14	9.98	7.42	9.98	7.89	(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