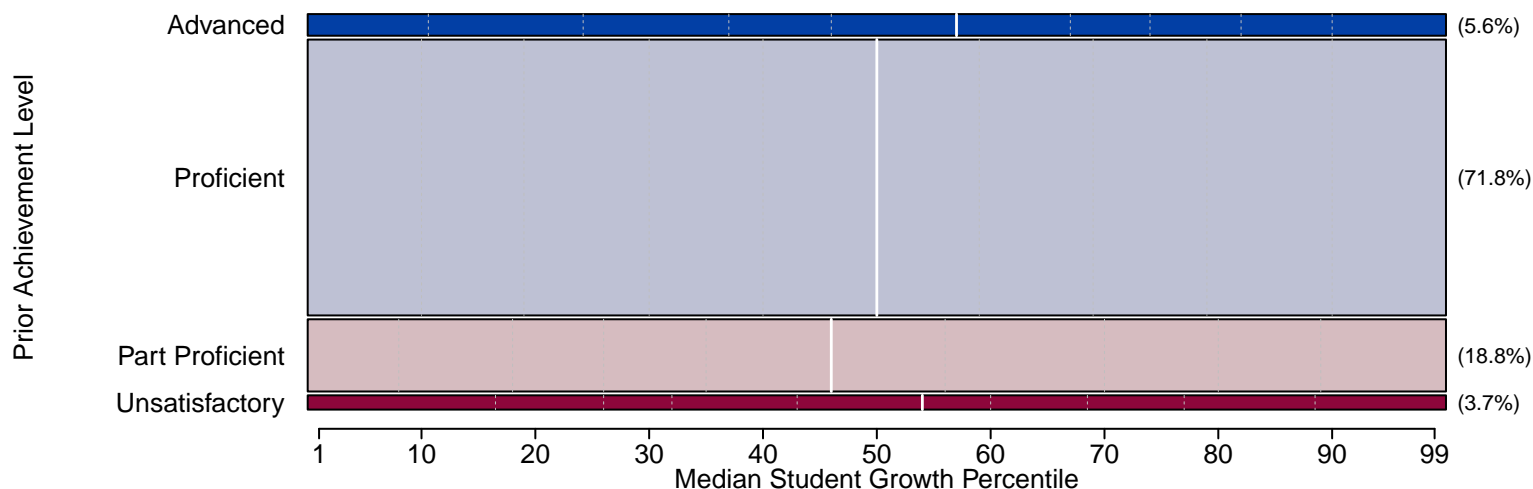# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016 Reading SGP SIMEX Ranked, Grade 10 (N = 4,201)

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: 1 10 20 30 40 50 60 70 80 90 99

Ceiling / Floor Effects Test

Current Observed Score Extremes (Range)

Student Growth Percentile 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]	45.8	12.5	20.8	8.3	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[526,546]	34.6	15.4	23.1	3.8	3.8	7.7	7.7	0.0	3.8	0.0	0.0	0.0	N = 26
Highest OSS:	[809,824]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	12.5	25.0	12.5	45.8	N = 24
	[824,889]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	15.4	34.6	42.3	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]	7.84	10.05	13.48	8.82	8.58	11.27	10.05	11.03	9.56	9.31	(9.7%)
2nd/[612,637]	11.85	9.48	12.80	9.72	11.14	8.06	7.58	8.29	10.90	10.19	(10%)
3rd/[637,654]	11.92	10.71	10.95	12.17	7.79	12.17	8.03	9.98	8.76	7.54	(9.8%)
4th/[654,667]	10.47	10.47	9.73	11.97	9.73	12.97	7.98	6.48	8.73	11.47	(9.5%)
5th/[667,678]	9.86	7.75	10.56	13.38	10.56	7.98	10.09	9.86	8.92	11.03	(10.1%)
6th/[678,689]	10.57	13.56	10.57	6.90	11.95	10.11	10.80	7.59	8.28	9.66	(10.4%)
7th/[689,699]	9.50	9.25	9.50	6.25	10.75	10.50	10.00	10.50	11.50	12.25	(9.5%)
8th/[699,712]	9.13	12.47	10.24	10.02	7.80	10.91	12.25	8.69	9.80	8.69	(10.7%)
9th/[712,729]	9.81	7.42	8.13	7.42	11.72	7.89	13.40	13.16	10.77	10.29	(10%)
10th/[729,813]	8.58	9.51	6.96	8.58	10.67	9.51	11.83	11.14	10.21	12.99	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100