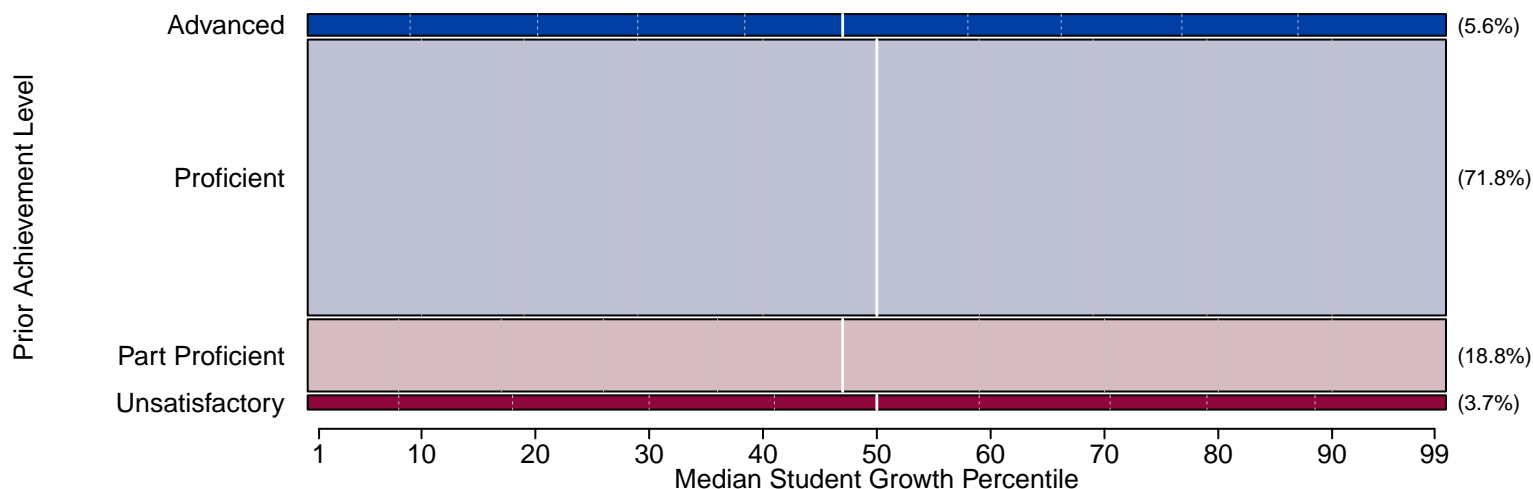# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Reading SGP, 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]	75.0	4.2	16.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[526,546]	57.7	11.5	7.7	3.8	7.7	3.8	7.7	0.0	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[809,824]	0.0	0.0	0.0	0.0	0.0	4.2	4.2	0.0	16.7	29.2	4.2	41.7	N = 24
	[824,889]	0.0	0.0	0.0	0.0	3.8	0.0	3.8	0.0	7.7	19.2	23.1	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]	11.52	10.05	11.52	8.33	9.07	9.56	9.07	11.52	9.80	9.56	(9.7%)
2nd/[612,637]	11.85	10.90	9.95	9.00	10.43	9.00	9.00	9.24	10.19	10.43	(10%)
3rd/[637,654]	12.41	10.46	9.00	9.49	8.52	11.68	10.95	10.71	8.27	8.52	(9.8%)
4th/[654,667]	10.22	9.48	10.72	9.48	9.98	10.97	10.47	7.73	9.48	11.47	(9.5%)
5th/[667,678]	9.86	7.75	10.09	12.44	9.15	8.69	11.50	9.39	10.56	10.56	(10.1%)
6th/[678,689]	10.57	12.87	11.03	8.74	8.97	11.03	9.43	9.20	9.43	8.74	(10.4%)
7th/[689,699]	8.75	9.50	9.50	8.00	11.00	9.50	10.25	10.50	11.75	11.25	(9.5%)
8th/[699,712]	8.69	12.25	11.58	10.24	9.35	12.47	9.35	8.46	8.24	9.35	(10.7%)
9th/[712,729]	10.53	8.37	8.61	10.29	11.72	6.94	11.24	11.72	10.29	10.29	(10%)
10th/[729,813]	9.98	9.51	10.67	10.21	9.98	10.90	9.74	8.82	9.74	10.44	(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