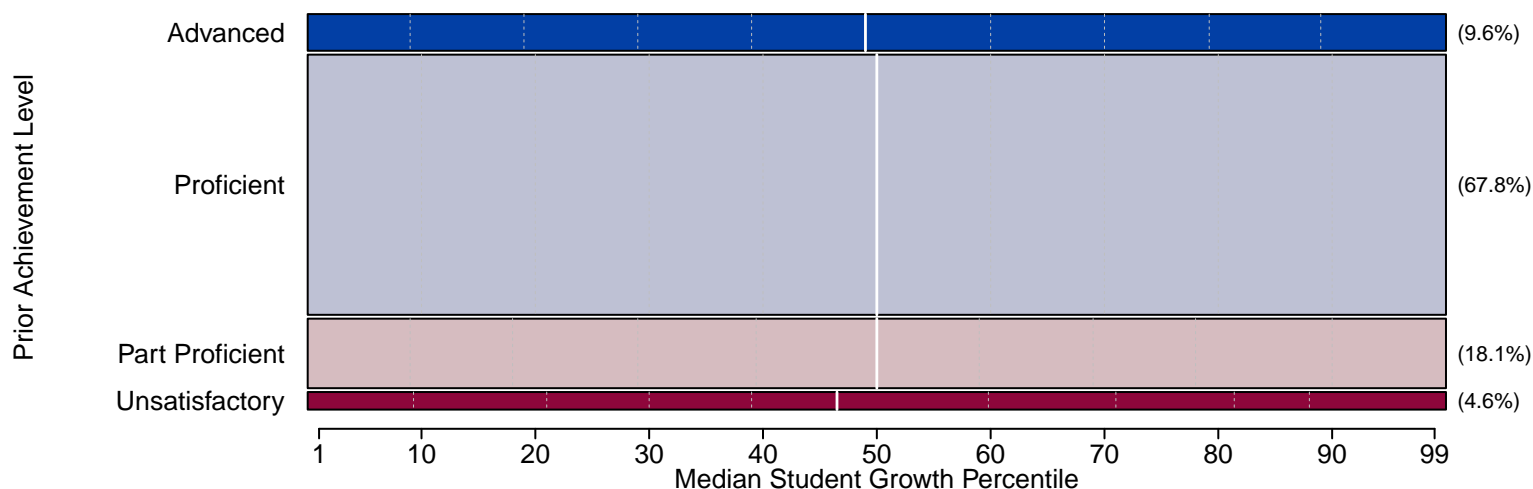# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017 Reading SGP, Grade 10 (N = 4,237)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level

Level		Percent
Advanced		(9.6%)
Proficient		(67.8%)
Part Proficient		(18.1%)
Unsatisfactory		(4.6%)

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:	[370,528)	72.0	8.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[528,558]	40.0	12.0	12.0	16.0	12.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
Highest OSS:	[797,810)	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.8	15.4	26.9	26.9	23.1	N = 26
	[810,878]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	14.8	14.8	63.0	N = 27

Student Growth Percentile Range

Prior Scale Score Decile/Range*

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/[350,609)	9.76	8.78	10.98	10.98	10.24	10.00	9.02	9.76	9.51	10.98	(9.7%)
2nd/[609,637)	11.82	12.53	8.27	7.80	8.98	10.87	10.87	9.46	8.98	10.40	(10%)
3rd/[637,653)	8.07	9.29	10.02	11.00	10.27	10.27	10.51	10.27	10.02	10.27	(9.7%)
4th/[653,667)	8.14	7.91	12.33	9.30	11.16	8.60	9.53	10.70	11.63	10.70	(10.1%)
5th/[667,679)	11.33	11.08	7.71	10.36	8.67	10.60	10.84	8.43	11.08	9.88	(9.8%)
6th/[679,690)	7.26	9.84	13.35	11.48	10.30	10.77	7.26	11.71	8.90	9.13	(10.1%)
7th/[690,701)	11.75	10.55	8.39	8.15	8.39	10.07	12.47	9.11	9.59	11.51	(9.8%)
8th/[701,716)	8.90	9.13	10.50	10.05	12.33	8.90	9.59	9.36	10.73	10.50	(10.3%)
9th/[716,738)	9.07	11.11	8.84	9.52	10.20	12.02	8.39	10.66	9.52	10.66	(10.4%)
10th/[738,836]	10.07	9.84	10.54	10.30	9.37	8.67	11.01	10.07	10.30	9.84	(10.1%)

*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