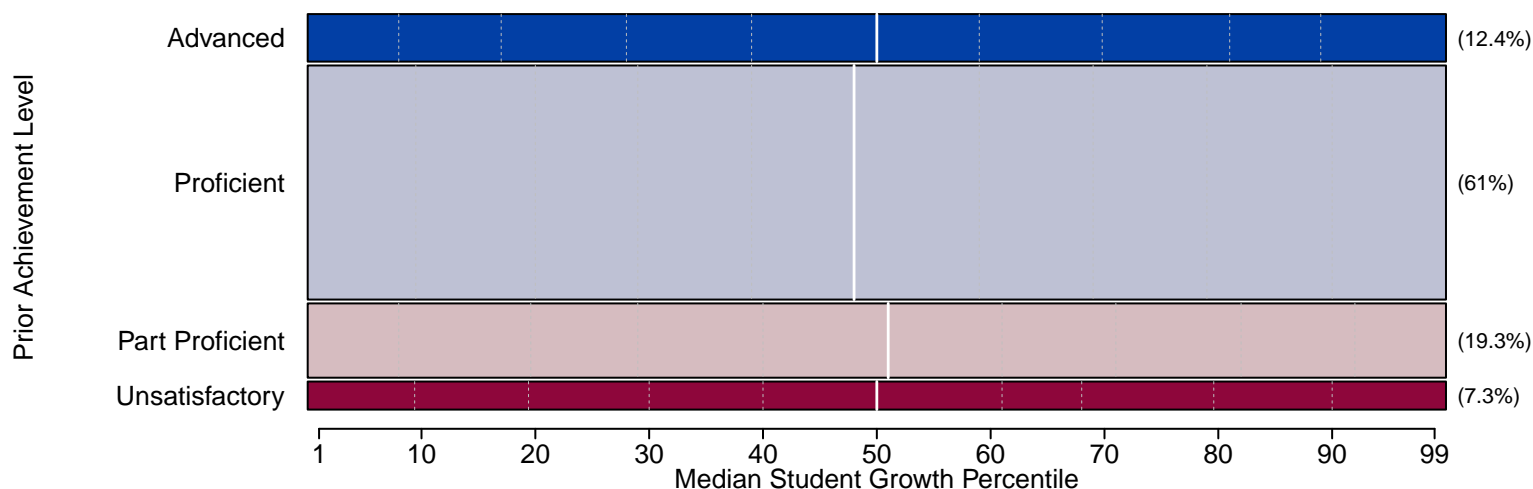# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017 Reading SGP, Grade 9 (N = 4,078)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level	
Advanced	(12.4%)
Proficient	(61%)
Part Proficient	(19.3%)
Unsatisfactory	(7.3%)

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:	[350,516)	79.2	4.2	12.5	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[516,548]	26.9	7.7	19.2	19.2	19.2	3.8	0.0	3.8	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[767,774)	0.0	4.0	0.0	0.0	0.0	4.0	12.0	12.0	4.0	44.0	12.0	8.0	N = 25
	[774,888]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	15.4	11.5	15.4	53.8	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/[330,589)	10.64	10.15	9.65	9.90	10.15	9.90	9.65	9.65	9.41	10.89	(9.9%)
2nd/[589,618)	11.50	7.75	10.75	8.50	8.50	9.75	9.50	9.00	13.00	11.75	(9.8%)
3rd/[618,636)	10.61	9.09	9.34	10.86	10.10	10.61	10.35	10.35	7.58	11.11	(9.7%)
4th/[636,652)	9.16	12.05	8.67	12.29	9.64	8.43	9.88	9.40	10.12	10.36	(10.2%)
5th/[652,667)	9.29	9.05	11.25	10.02	11.74	8.80	10.51	8.80	10.51	10.02	(10%)
6th/[667,682)	10.48	8.33	10.00	11.43	9.52	8.57	8.57	9.76	11.43	11.90	(10.3%)
7th/[682,695)	10.03	9.51	9.77	9.00	9.00	12.08	12.34	9.77	9.77	8.74	(9.5%)
8th/[695,710)	10.36	9.40	11.81	9.88	10.36	11.57	9.40	7.71	7.47	12.05	(10.2%)
9th/[710,730)	10.81	9.34	11.79	9.83	10.32	8.11	8.35	10.57	12.53	8.35	(10%)
10th/[730,883]	11.82	10.64	9.46	8.75	9.93	10.40	10.17	9.93	9.69	9.22	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution