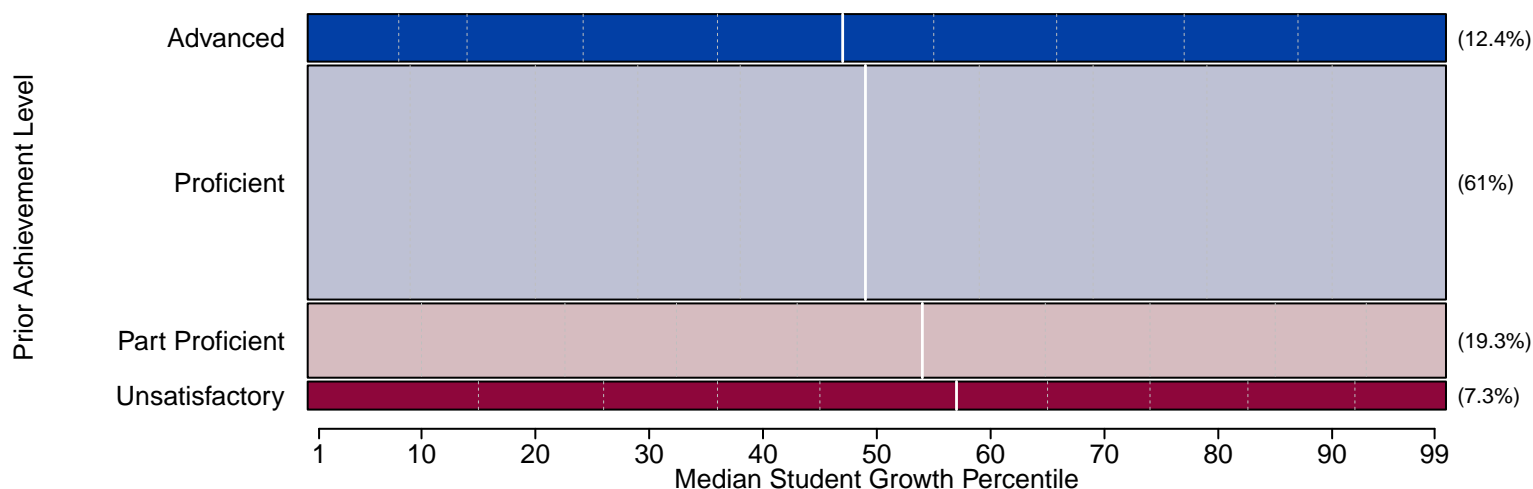# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017 Reading SGP SIMEX Ranked, 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]	54.2	16.7	8.3	8.3	4.2	4.2	0.0	0.0	0.0	4.2	0.0	0.0	N = 24
	[516,548]	19.2	7.7	19.2	19.2	7.7	11.5	7.7	0.0	0.0	3.8	0.0	3.8	N = 26
Highest OSS:	[767,774)	0.0	0.0	4.0	0.0	4.0	4.0	8.0	16.0	12.0	32.0	12.0	8.0	N = 25
	[774,888]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	11.5	19.2	46.2	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)	8.17	6.44	10.15	9.41	12.13	8.91	10.40	11.14	10.89	12.38	(9.9%)
2nd/[589,618)	10.00	6.75	9.25	9.75	10.00	8.50	8.25	9.75	14.00	13.75	(9.8%)
3rd/[618,636)	9.09	9.34	8.33	11.11	9.60	11.11	10.35	10.61	8.59	11.87	(9.7%)
4th/[636,652)	6.99	11.81	8.43	12.29	10.36	7.71	9.88	10.84	9.88	11.81	(10.2%)
5th/[652,667)	9.29	8.56	10.02	11.49	8.56	11.49	10.27	8.80	11.25	10.27	(10%)
6th/[667,682)	10.71	8.10	10.48	10.95	8.33	8.57	8.57	10.95	11.19	12.14	(10.3%)
7th/[682,695)	10.03	9.77	9.51	8.74	9.77	11.83	11.57	9.77	9.51	9.51	(9.5%)
8th/[695,710)	11.57	10.84	10.36	10.60	11.57	10.36	8.19	7.71	6.75	12.05	(10.2%)
9th/[710,730)	12.53	9.34	14.50	9.58	9.34	7.13	9.34	11.06	8.85	8.35	(10%)
10th/[730,883]	12.29	13.00	10.17	8.27	9.93	11.35	10.40	8.27	9.22	7.09	(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