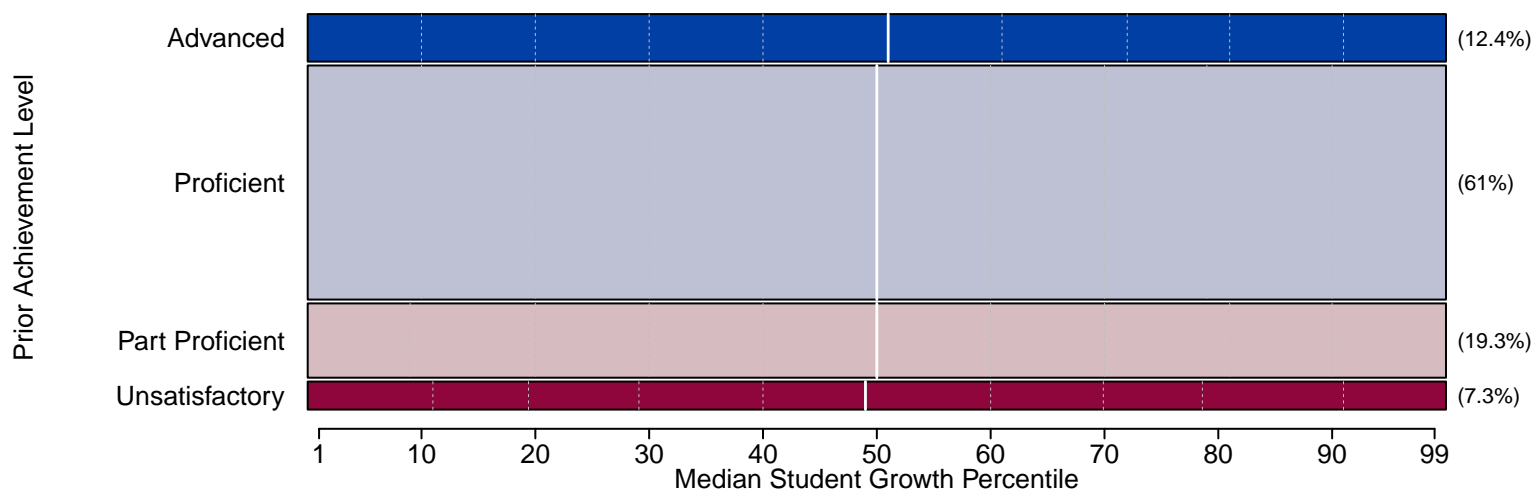# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017 Reading SGP, Grade 9 (N = 4,078)

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]	70.8	16.7	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[516,548]	19.2	15.4	23.1	30.8	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[767,774]	0.0	4.0	0.0	0.0	0.0	0.0	4.0	8.0	12.0	36.0	12.0	24.0	N = 25
	[774,888]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	23.1	61.5	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]	8.91	11.63	9.65	10.40	9.90	9.90	9.41	10.89	8.66	10.64	(9.9%)
2nd/[589,618]	11.00	7.00	10.00	10.00	10.50	9.25	11.50	8.25	12.75	9.75	(9.8%)
3rd/[618,636]	9.34	11.11	10.86	10.86	8.59	9.60	8.33	11.11	9.60	10.61	(9.7%)
4th/[636,652]	8.92	10.12	9.40	9.64	10.60	10.84	10.60	9.88	9.16	10.84	(10.2%)
5th/[652,667]	9.29	10.27	10.51	9.29	11.00	10.27	10.51	10.27	9.29	9.29	(10%)
6th/[667,682]	9.05	10.24	9.52	10.48	8.81	9.76	10.48	10.48	10.00	11.19	(10.3%)
7th/[682,695]	10.54	9.25	9.51	10.28	10.54	11.05	7.71	9.77	11.31	10.03	(9.5%)
8th/[695,710]	9.88	10.36	9.88	8.92	10.36	8.67	12.29	9.88	7.95	11.81	(10.2%)
9th/[710,730]	10.57	9.09	10.57	11.06	10.32	9.58	9.09	9.34	11.30	9.09	(10%)
10th/[730,883]	8.75	10.64	9.93	9.93	9.22	10.64	9.93	10.64	9.93	10.40	(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