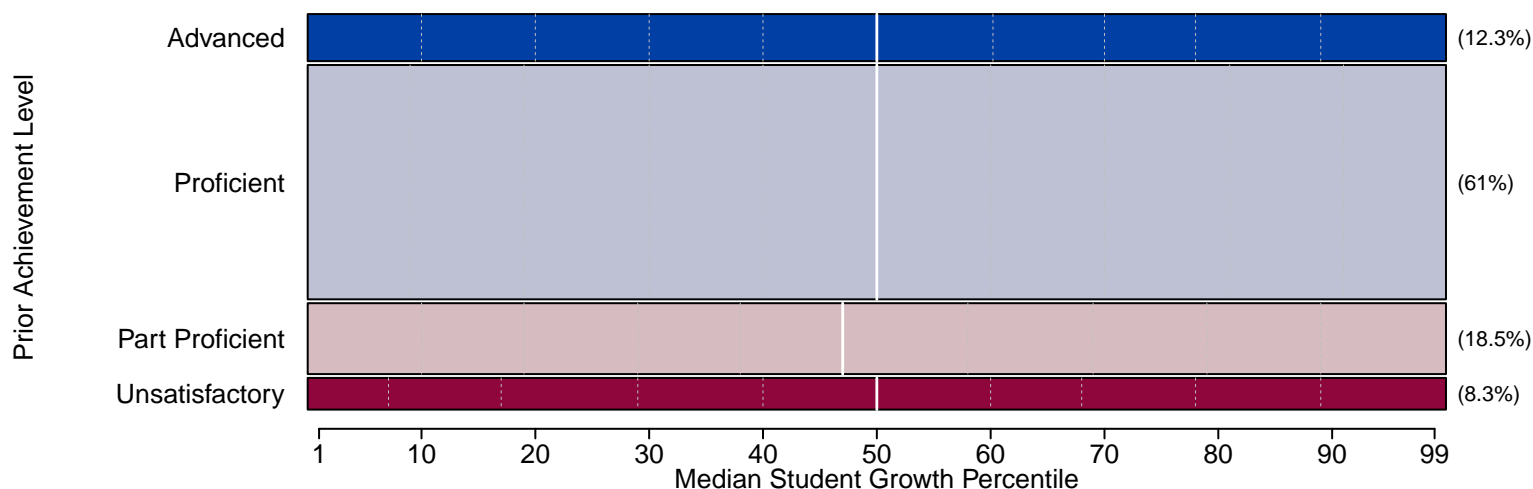# Student Growth Percentile Goodness–of–Fit Descriptives
2014–2015 Reading SGP, Grade 9 (N = 4,144)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level

Level	Percent
Advanced	(12.3%)
Proficient	(61%)
Part Proficient	(18.5%)
Unsatisfactory	(8.3%)

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)

	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	N
Lowest OSS:	[350,526]	78.3	4.3	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 23
	[526,543]	39.3	10.7	17.9	10.7	14.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	N = 28
Highest OSS:	[760,769]	4.2	0.0	0.0	0.0	0.0	0.0	4.2	8.3	16.7	16.7	25.0	25.0	N = 24
	[769,813]	0.0	0.0	0.0	3.7	0.0	7.4	3.7	0.0	0.0	14.8	14.8	55.6	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/[330,587]	11.41	8.50	9.71	9.47	11.17	10.19	10.44	10.44	8.50	10.19	(9.9%)
2nd/[587,619]	9.69	12.35	9.69	10.90	8.47	10.90	7.99	9.93	10.90	9.20	(10%)
3rd/[619,637]	9.50	10.00	11.00	9.50	9.25	11.00	11.25	9.25	10.25	9.00	(9.7%)
4th/[637,654]	10.67	8.58	9.28	9.74	11.83	9.05	10.44	9.74	8.82	11.83	(10.4%)
5th/[654,668]	10.12	10.37	8.89	9.14	10.12	9.14	8.40	10.37	12.35	11.11	(9.8%)
6th/[668,679]	9.55	9.30	9.80	8.54	11.31	10.80	11.06	10.05	9.55	10.05	(9.6%)
7th/[679,692]	10.39	11.11	10.14	9.66	9.18	10.39	8.45	11.59	7.97	11.11	(10%)
8th/[692,708]	10.53	10.30	10.53	10.98	8.47	9.61	11.44	7.78	10.76	9.61	(10.5%)
9th/[708,729]	10.24	10.98	8.54	8.78	9.76	9.02	9.51	10.73	9.76	12.68	(9.9%)
10th/[729,870]	9.67	8.96	11.32	9.67	10.61	10.38	9.67	10.38	8.96	10.38	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution — Empirical SGP Distribution