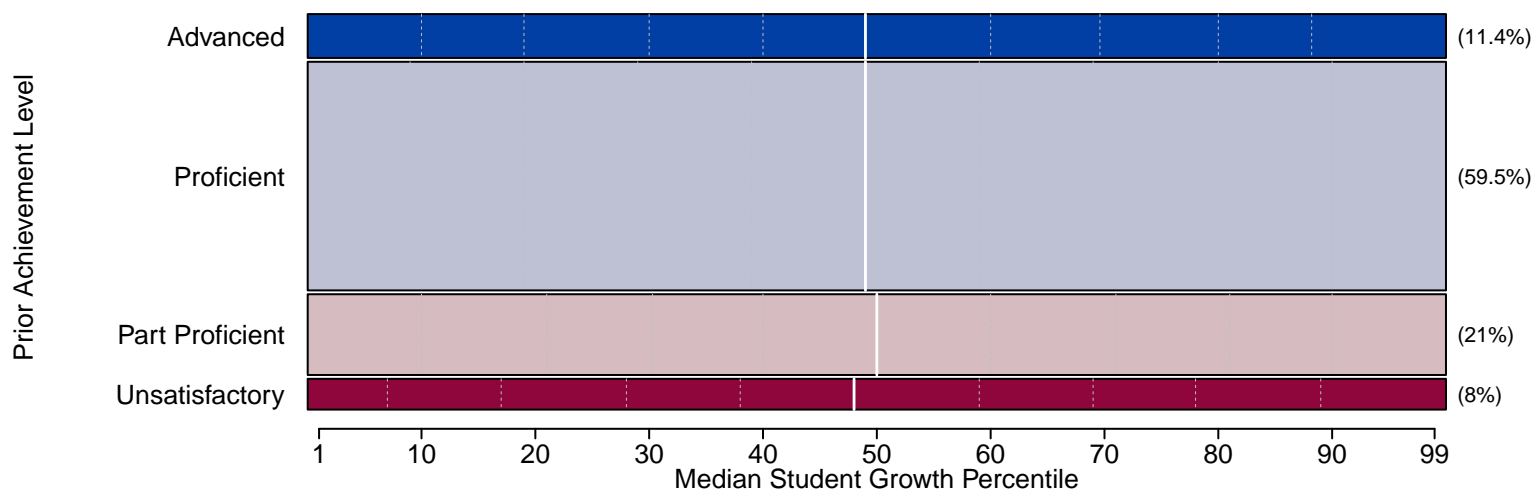# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Reading SGP, Grade 9 (N = 4,194)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:

- Advanced (11.4%)
- Proficient (59.5%)
- Part Proficient (21%)
- Unsatisfactory (8%)

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:	[350,512]	92.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[512,530]	60.0	16.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
Highest OSS:	[780,792]	0.0	0.0	0.0	8.0	0.0	8.0	0.0	16.0	4.0	24.0	20.0	20.0	N = 25
	[792,836]	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8	11.5	11.5	11.5	57.7	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/[330,586)	11.89	9.95	9.95	10.19	10.68	9.95	8.74	9.47	9.47	9.71	(9.8%)
2nd/[586,615)	10.30	9.13	11.01	9.60	8.67	8.20	11.01	9.84	11.94	10.30	(10.2%)
3rd/[615,633)	8.48	9.23	10.22	9.73	10.97	11.47	7.48	10.72	9.23	12.47	(9.6%)
4th/[633,649)	11.67	12.13	10.30	9.15	8.01	7.78	11.21	8.92	11.21	9.61	(10.4%)
5th/[649,664)	9.32	10.83	9.32	10.58	11.59	9.82	12.85	9.07	7.05	9.57	(9.5%)
6th/[664,677)	10.21	9.74	10.69	11.16	11.40	9.03	8.08	8.79	11.16	9.74	(10%)
7th/[677,690)	9.69	8.04	11.35	8.51	9.22	11.35	9.69	10.87	8.98	12.29	(10.1%)
8th/[690,706)	9.49	11.57	9.26	10.65	10.88	7.64	10.42	9.26	9.95	10.88	(10.3%)
9th/[706,727)	10.41	7.26	11.14	11.62	8.72	11.86	8.96	10.90	8.96	10.17	(9.8%)
10th/[727,838]	9.28	11.37	9.28	9.98	10.90	8.82	10.44	9.98	10.44	9.51	(10.3%)

*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