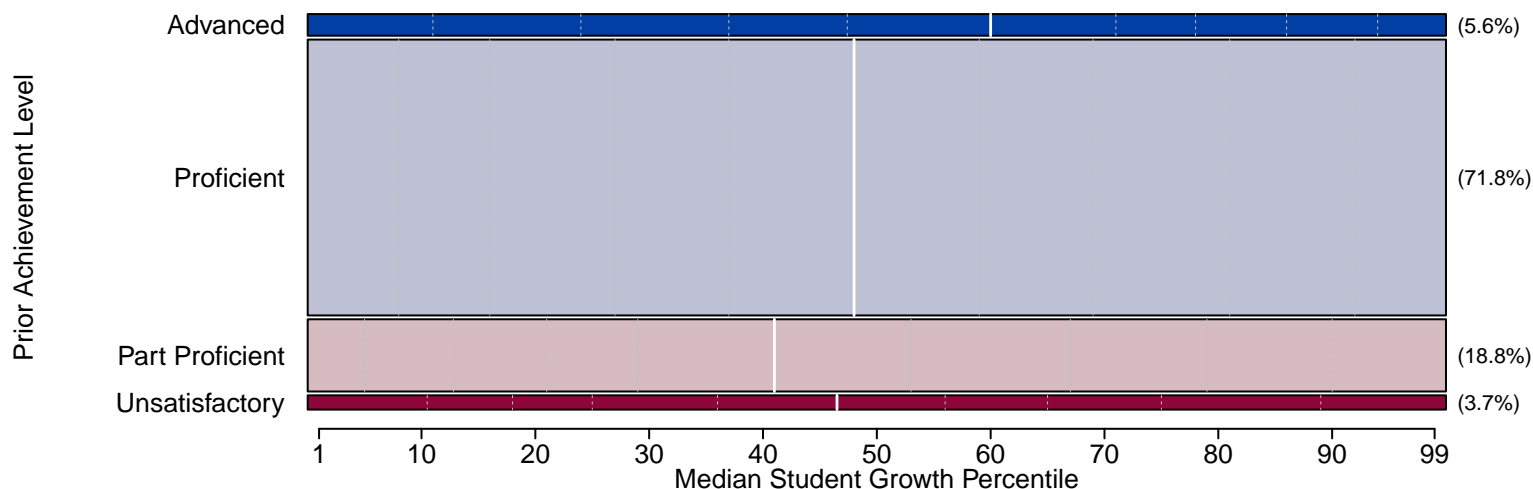# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016 Reading SGP, Grade 10 (N = 4,201)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level (Median Student Growth Percentile, axis 1–99):
- Advanced (5.6%)
- Proficient (71.8%)
- Part Proficient (18.8%)
- Unsatisfactory (3.7%)

Ceiling / Floor Effects Test

Current Observed Score Extremes (Range) × Student Growth Percentile 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:	[370,526)	66.7	4.2	20.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[526,546]	46.2	23.1	7.7	7.7	3.8	7.7	3.8	0.0	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[809,824)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	16.7	20.8	54.2	N = 24
	[824,889]	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	7.7	23.1	65.4	N = 26

Student Growth Percentile Range

Prior Scale Score Decile/Range* × 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/[350,612)	13.24	12.25	12.50	7.35	10.05	8.33	9.56	9.07	8.33	9.31	(9.7%)
2nd/[612,637)	15.64	12.56	11.14	10.19	9.24	5.69	7.82	7.58	9.72	10.43	(10%)
3rd/[637,654)	15.82	12.90	11.44	7.79	9.73	10.22	8.27	7.79	7.54	8.52	(9.8%)
4th/[654,667)	14.96	11.22	9.98	12.47	8.73	8.73	8.23	5.24	8.48	11.97	(9.5%)
5th/[667,678)	12.44	10.56	10.80	11.97	9.15	7.28	10.09	7.04	8.22	12.44	(10.1%)
6th/[678,689)	14.02	14.02	9.20	7.82	9.89	9.43	10.57	5.98	8.74	10.34	(10.4%)
7th/[689,699)	11.50	11.25	7.25	7.50	9.75	7.25	11.25	9.50	10.00	14.75	(9.5%)
8th/[699,712)	12.03	10.91	9.58	9.80	8.02	9.13	11.58	7.57	10.47	10.91	(10.7%)
9th/[712,729)	11.24	7.89	7.42	8.61	8.85	8.13	9.09	12.92	10.29	15.55	(10%)
10th/[729,813)	9.05	9.28	5.80	9.05	9.28	7.66	9.98	10.90	11.83	17.17	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0–100) vs Empirical SGP Distribution (0–100)