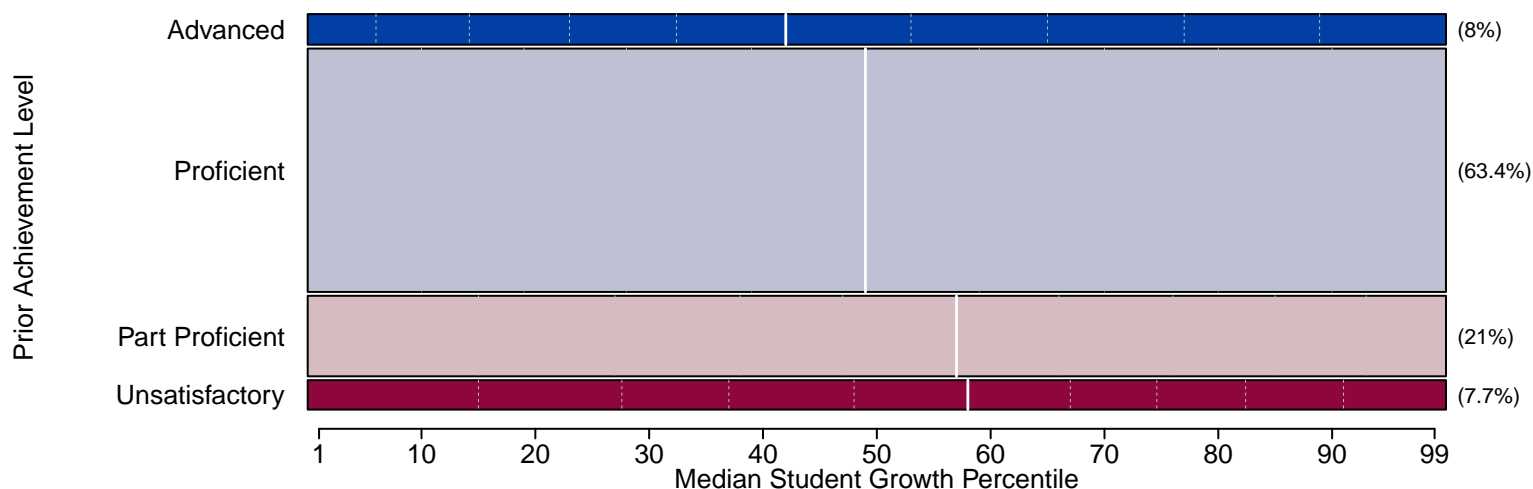# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Reading SGP, Grade 5 (N = 4,162)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level (y-axis) vs Median Student Growth Percentile (x-axis)

- Advanced (8%)
- Proficient (63.4%)
- Part Proficient (21%)
- Unsatisfactory (7.7%)

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:	[220,428)	40.0	24.0	20.0	0.0	4.0	8.0	4.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[428,468)	24.0	0.0	28.0	8.0	8.0	16.0	4.0	8.0	4.0	0.0	0.0	0.0	N = 25
Highest OSS:	[748,766]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	7.7	15.4	19.2	53.8	N = 26
	[766,827]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	11.5	7.7	76.9	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/[180,527)	6.60	8.56	7.58	11.00	8.56	9.29	13.20	12.22	11.00	11.98	(9.8%)
2nd/[527,556)	6.05	8.96	8.47	8.23	12.11	8.72	13.56	9.44	10.90	13.56	(9.9%)
3rd/[556,574)	8.33	5.88	6.86	11.03	9.80	9.56	10.78	8.33	14.71	14.71	(9.8%)
4th/[574,589)	5.08	10.41	10.41	8.47	12.11	9.69	8.72	9.69	10.65	14.77	(9.9%)
5th/[589,603)	6.48	9.95	11.57	11.81	8.80	9.95	8.56	9.49	10.88	12.50	(10.4%)
6th/[603,616)	11.68	9.73	11.92	9.49	9.25	10.22	9.98	9.73	10.95	7.06	(9.9%)
7th/[616,629)	8.96	9.70	9.95	9.45	10.70	11.19	7.46	8.96	12.19	11.44	(9.7%)
8th/[629,645)	12.47	13.63	11.55	7.39	9.93	6.70	9.01	10.62	9.93	8.78	(10.4%)
9th/[645,665)	10.79	12.71	11.03	9.59	8.63	12.71	9.59	8.63	7.91	8.39	(10%)
10th/[665,762]	13.21	11.56	12.03	10.14	9.67	8.49	8.73	7.78	8.02	10.38	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis) vs Empirical SGP Distribution (y-axis)