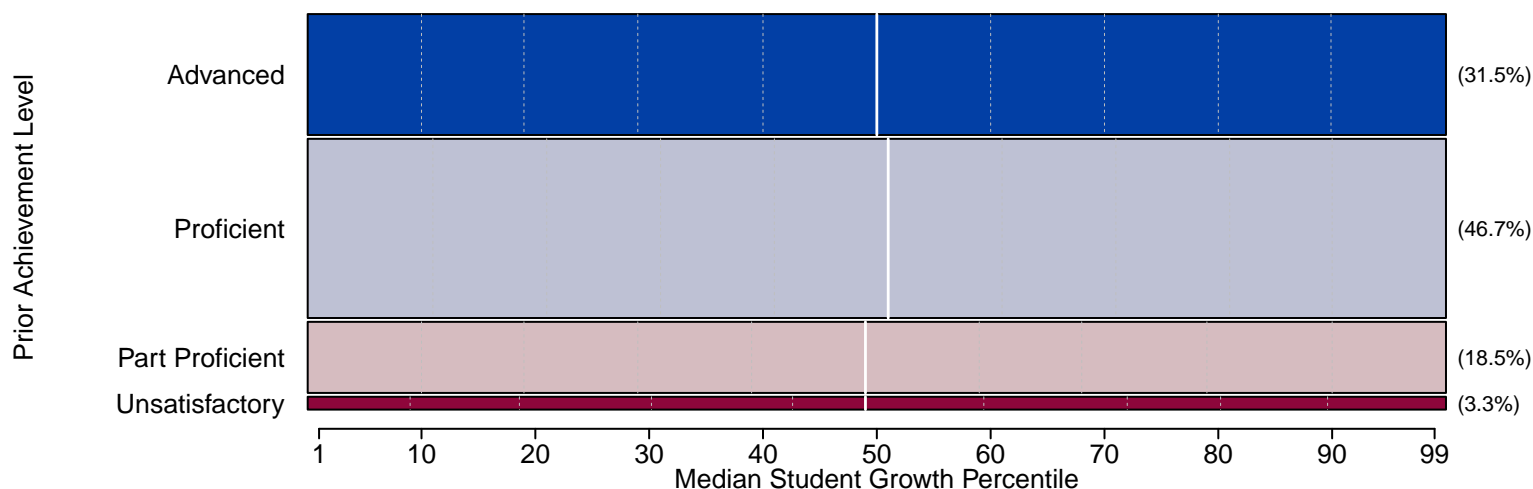# Student Growth Percentile Goodness–of–Fit Descriptives

2014–2015 Mathematics SGP, Grade 5 (N = 4,040)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level:
- Advanced (31.5%)
- Proficient (46.7%)
- Part Proficient (18.5%)
- Unsatisfactory (3.3%)

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:	[220,342]	43.5	8.7	13.0	13.0	13.0	4.3	0.0	4.3	0.0	0.0	0.0	0.0	N = 23
	[342,368]	33.3	18.5	18.5	7.4	3.7	7.4	3.7	7.4	0.0	0.0	0.0	0.0	N = 27
Highest OSS:	[712,766]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	28.0	40.0	N = 25
	[766,800]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	11.5	80.8	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/[212,421]	9.18	10.17	9.93	9.18	10.42	9.18	11.41	9.68	10.42	10.42	(10%)
2nd/[421,450]	10.30	12.31	10.05	9.80	11.56	9.30	8.79	8.79	8.29	10.80	(9.9%)
3rd/[450,471]	8.88	6.60	11.93	10.91	9.90	11.68	9.39	10.91	9.39	10.41	(9.8%)
4th/[471,488]	9.23	8.98	8.48	9.48	10.97	9.73	10.72	9.23	12.22	10.97	(9.9%)
5th/[488,506]	10.87	11.58	8.75	8.51	11.11	8.04	10.17	11.58	8.75	10.64	(10.5%)
6th/[506,522]	7.63	10.18	8.91	11.45	9.41	11.20	10.43	9.16	11.20	10.43	(9.7%)
7th/[522,540]	8.84	8.59	11.62	10.86	9.09	9.34	10.35	10.61	11.11	9.60	(9.8%)
8th/[540,561]	10.17	13.15	9.68	8.44	10.42	11.41	7.69	7.20	10.92	10.92	(10%)
9th/[561,592]	10.77	8.37	9.57	10.29	9.57	7.66	11.00	12.68	9.81	10.29	(10.3%)
10th/[592,780]	8.52	10.46	9.98	9.49	9.98	11.19	11.19	10.22	9.73	9.25	(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