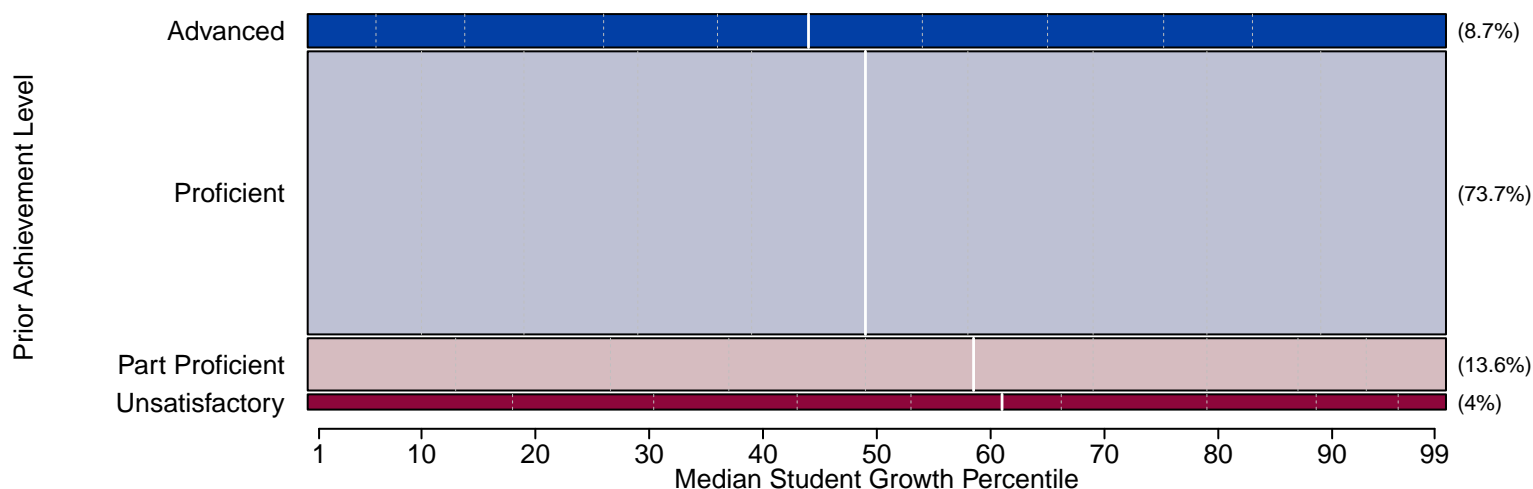# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Reading SGP SIMEX Ranked, Grade 4 (N = 3,850)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:
- Advanced (8.7%)
- Proficient (73.7%)
- Part Proficient (13.6%)
- Unsatisfactory (4%)

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:	[180,454)	32.0	12.0	32.0	12.0	8.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[454,478]	36.0	8.0	8.0	12.0	12.0	8.0	8.0	8.0	0.0	0.0	0.0	0.0	N = 25
Highest OSS:	[694,707]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8	15.4	23.1	30.8	N = 26
	[707,772]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	18.5	18.5	55.6	N = 27

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/[150,504)	6.49	6.75	6.75	10.39	9.09	9.61	12.99	8.83	11.43	17.66	(10%)
2nd/[504,530)	8.72	5.99	7.63	10.63	9.26	10.90	9.54	9.81	12.81	14.71	(9.5%)
3rd/[530,546)	7.20	9.77	9.77	8.48	7.71	12.60	8.74	9.51	13.62	12.60	(10.1%)
4th/[546,561)	7.25	9.07	11.92	11.14	8.03	11.40	8.03	11.92	8.55	12.69	(10%)
5th/[561,575)	8.89	9.16	9.16	12.94	9.97	8.36	9.16	13.48	8.36	10.51	(9.6%)
6th/[575,589)	9.39	11.17	8.38	9.39	10.66	10.15	9.90	11.42	11.42	8.12	(10.2%)
7th/[589,605)	10.51	10.77	11.03	10.77	10.51	10.77	8.72	9.23	9.23	8.46	(10.1%)
8th/[605,623)	14.17	13.39	8.14	8.40	10.24	9.45	9.45	7.35	11.02	8.40	(9.9%)
9th/[623,651)	10.22	10.97	12.72	10.72	12.47	8.73	12.47	7.48	6.98	7.23	(10.4%)
10th/[651,795)	12.18	12.44	13.73	6.74	12.69	8.03	12.18	10.10	6.22	5.70	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution