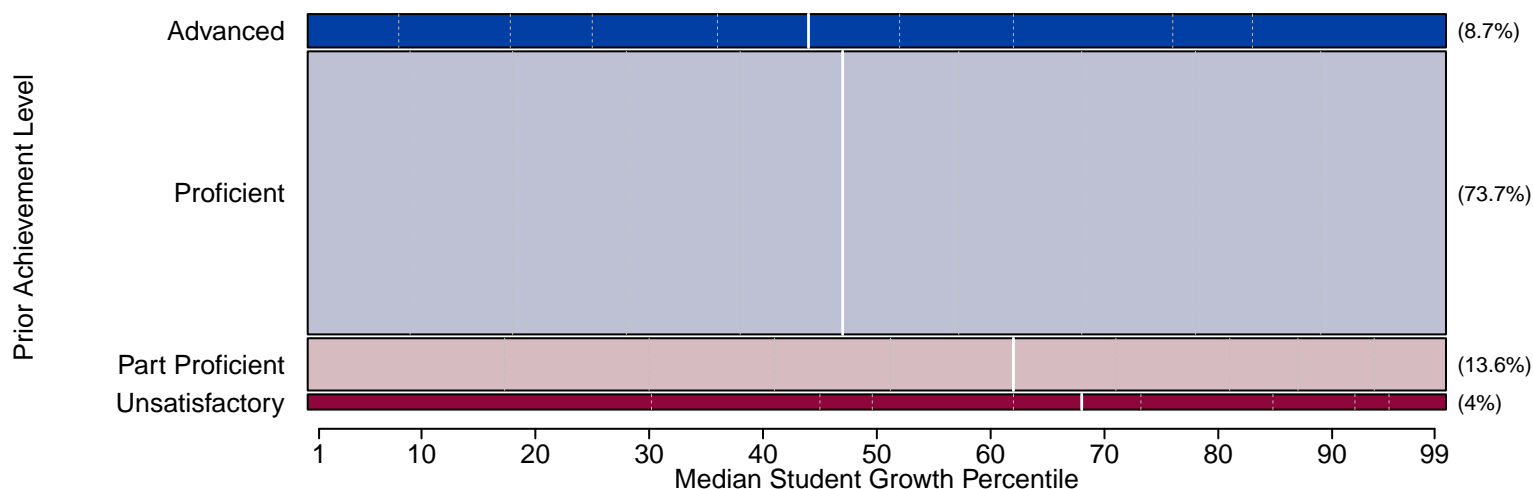# Student Growth Percentile Goodness–of–Fit Descriptives

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: 1 10 20 30 40 50 60 70 80 90 99

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:	[180,454)	36.0	8.0	8.0	16.0	16.0	12.0	4.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[454,478]	24.0	12.0	8.0	8.0	8.0	12.0	12.0	12.0	4.0	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	23.1	30.8	23.1	23.1	N = 26
	[707,772]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	22.2	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)	3.64	3.64	8.05	8.57	10.13	8.83	12.21	13.25	12.21	19.48	(10%)
2nd/[504,530)	6.27	7.08	7.90	10.35	7.36	10.90	10.08	9.54	15.26	15.26	(9.5%)
3rd/[530,546)	6.94	8.74	9.00	8.74	9.00	10.54	9.77	9.25	15.17	12.85	(10.1%)
4th/[546,561)	8.03	8.81	10.10	9.84	9.07	10.10	9.33	11.92	8.29	14.51	(10%)
5th/[561,575)	9.43	8.63	9.43	12.40	8.63	8.09	11.32	14.02	6.47	11.59	(9.6%)
6th/[575,589)	10.41	10.91	7.36	11.68	8.38	10.91	12.44	10.41	8.63	8.88	(10.2%)
7th/[589,605)	12.05	12.05	10.77	10.00	12.31	10.00	8.97	7.69	8.97	7.18	(10.1%)
8th/[605,623)	14.96	14.44	9.19	10.24	8.66	11.81	6.82	8.14	9.45	6.30	(9.9%)
9th/[623,651)	12.22	11.47	14.96	11.72	11.47	8.48	9.98	7.73	8.23	3.74	(10.4%)
10th/[651,795)	10.88	13.73	12.95	6.99	14.25	10.36	10.10	8.03	7.51	5.18	(10%)

*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