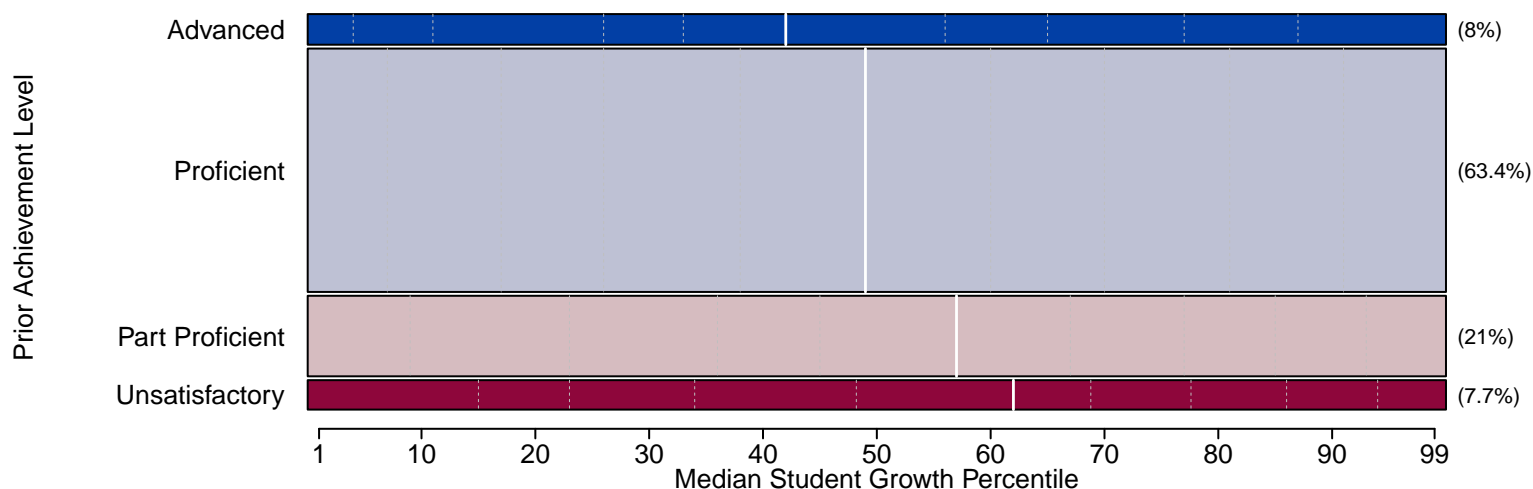# Student Growth Percentile Goodness–of–Fit Descriptives

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

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level

Level	Percentage
Advanced	(8%)
Proficient	(63.4%)
Part Proficient	(21%)
Unsatisfactory	(7.7%)

Median Student Growth Percentile: 1 10 20 30 40 50 60 70 80 90 99

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)	32.0	16.0	20.0	16.0	0.0	0.0	8.0	4.0	4.0	0.0	0.0	0.0	N = 25
	[428,468]	24.0	8.0	16.0	24.0	8.0	8.0	0.0	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	0.0	11.5	23.1	15.4	50.0	N = 26
	[766,827]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	7.7	3.8	11.5	73.1	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)	7.33	8.31	11.49	8.07	5.62	9.05	12.47	11.00	12.22	14.43	(9.8%)
2nd/[527,556)	9.93	8.47	7.02	7.26	11.14	7.75	12.83	10.41	9.20	15.98	(9.9%)
3rd/[556,574)	11.27	6.86	8.33	9.07	9.07	7.35	11.27	8.82	14.71	13.24	(9.8%)
4th/[574,589)	8.47	12.59	9.93	7.02	12.35	6.54	9.20	10.17	9.93	13.80	(9.9%)
5th/[589,603)	9.26	11.57	10.19	9.95	7.87	7.64	9.95	10.19	9.03	14.35	(10.4%)
6th/[603,616)	13.63	10.22	8.03	10.22	8.76	9.00	12.65	8.52	8.76	10.22	(9.9%)
7th/[616,629)	10.45	8.21	8.96	9.20	9.95	10.20	9.20	7.96	11.69	14.18	(9.7%)
8th/[629,645)	15.70	10.16	10.85	6.93	10.62	7.85	8.31	7.62	11.09	10.85	(10.4%)
9th/[645,665)	15.83	11.03	8.39	8.39	8.63	13.19	8.39	9.11	7.91	9.11	(10%)
10th/[665,762)	15.33	11.32	8.02	12.03	8.96	7.55	9.43	11.08	6.84	9.43	(10.2%)

*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