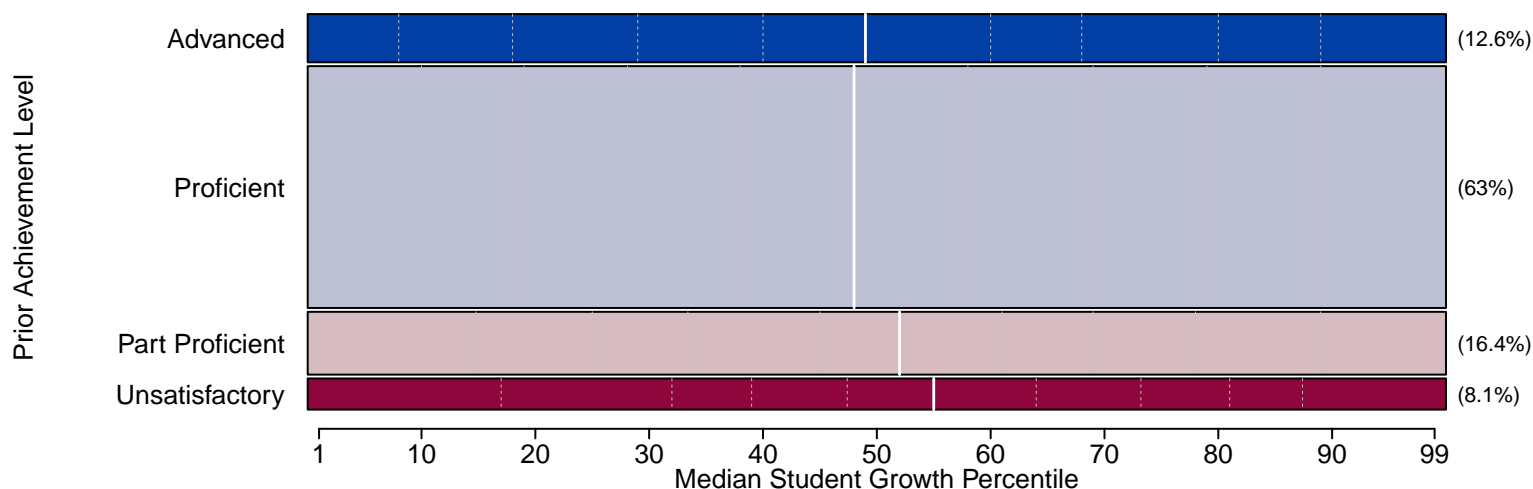# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Reading SGP SIMEX Ranked, Grade 6 (N = 4,030)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:

- Advanced (12.6%)
- Proficient (63%)
- Part Proficient (16.4%)
- Unsatisfactory (8.1%)

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:	[260,446]	33.3	12.5	20.8	20.8	8.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[446,474]	7.7	11.5	11.5	11.5	15.4	15.4	3.8	7.7	11.5	3.8	0.0	0.0	N = 26
Highest OSS:	[760,770]	4.0	0.0	0.0	0.0	8.0	0.0	0.0	4.0	0.0	24.0	24.0	36.0	N = 25
	[770,837]	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	8.0	12.0	12.0	64.0	N = 25

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/[220,547]	4.53	7.81	7.56	12.59	10.83	12.59	10.83	11.59	12.59	9.07	(9.9%)
2nd/[547,577]	6.82	6.57	12.63	9.85	11.36	10.86	11.62	11.11	8.84	10.35	(9.8%)
3rd/[577,598]	8.35	8.11	10.32	10.32	10.07	12.29	9.09	11.79	10.07	9.58	(10.1%)
4th/[598,614]	6.94	10.03	10.80	9.00	12.08	11.31	11.31	10.03	8.74	9.77	(9.7%)
5th/[614,628]	8.08	12.11	11.64	10.21	12.11	10.45	6.89	7.36	11.88	9.26	(10.4%)
6th/[628,642]	10.71	10.20	10.71	9.69	7.65	8.16	9.69	14.03	8.93	10.20	(9.7%)
7th/[642,657]	12.65	10.95	8.03	12.90	9.00	7.54	10.22	9.73	9.73	9.25	(10.2%)
8th/[657,674]	10.00	11.50	12.50	8.25	11.25	9.25	8.25	10.25	9.75	9.00	(9.9%)
9th/[674,696]	11.17	10.92	9.43	9.43	10.17	8.68	11.17	10.17	8.68	10.17	(10%)
10th/[696,864]	11.35	10.39	9.18	8.70	10.63	9.90	10.63	8.45	10.39	10.39	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0 to 100) vs. Empirical SGP Distribution (0 to 100)