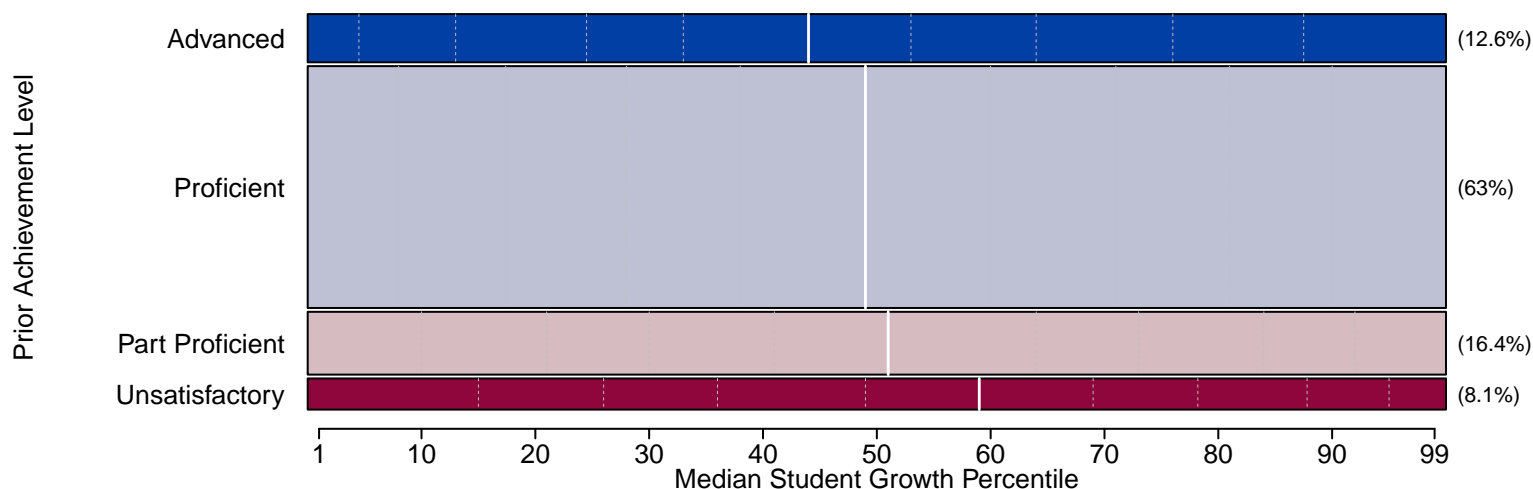# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016 Reading SGP SIMEX, Grade 6 (N = 4,030)

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

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:	[260,446]	37.5	12.5	20.8	20.8	4.2	0.0	4.2	0.0	0.0	0.0	0.0	0.0	N = 24
	[446,474]	19.2	7.7	7.7	7.7	19.2	11.5	3.8	7.7	7.7	3.8	3.8	0.0	N = 26
Highest OSS:	[760,770]	0.0	0.0	0.0	8.0	4.0	0.0	4.0	0.0	0.0	20.0	28.0	36.0	N = 25
	[770,837]	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	8.0	4.0	8.0	76.0	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]	6.80	8.82	9.82	11.08	6.30	11.59	8.56	10.33	10.33	16.37	(9.9%)
2nd/[547,577]	10.10	9.34	9.85	10.10	8.33	7.07	11.11	9.85	10.10	14.14	(9.8%)
3rd/[577,598]	10.32	9.34	8.11	10.07	7.86	9.09	10.32	11.06	11.06	12.78	(10.1%)
4th/[598,614]	8.48	10.28	9.25	8.23	10.54	8.48	12.34	12.34	6.17	13.88	(9.7%)
5th/[614,628]	9.98	9.98	10.93	10.69	9.98	9.03	8.79	8.55	10.21	11.88	(10.4%)
6th/[628,642]	10.46	11.73	8.16	8.16	7.65	9.44	7.65	11.99	13.01	11.73	(9.7%)
7th/[642,657]	13.63	10.46	7.06	12.90	8.52	7.06	10.95	9.73	7.79	11.92	(10.2%)
8th/[657,674]	10.00	12.75	12.75	8.75	9.50	9.50	7.50	10.00	10.50	8.75	(9.9%)
9th/[674,696]	11.66	11.66	10.67	9.93	8.68	10.67	8.44	9.43	8.68	10.17	(10%)
10th/[696,864]	15.94	10.14	8.70	11.11	9.90	12.32	4.11	8.94	8.94	9.90	(10.3%)

*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