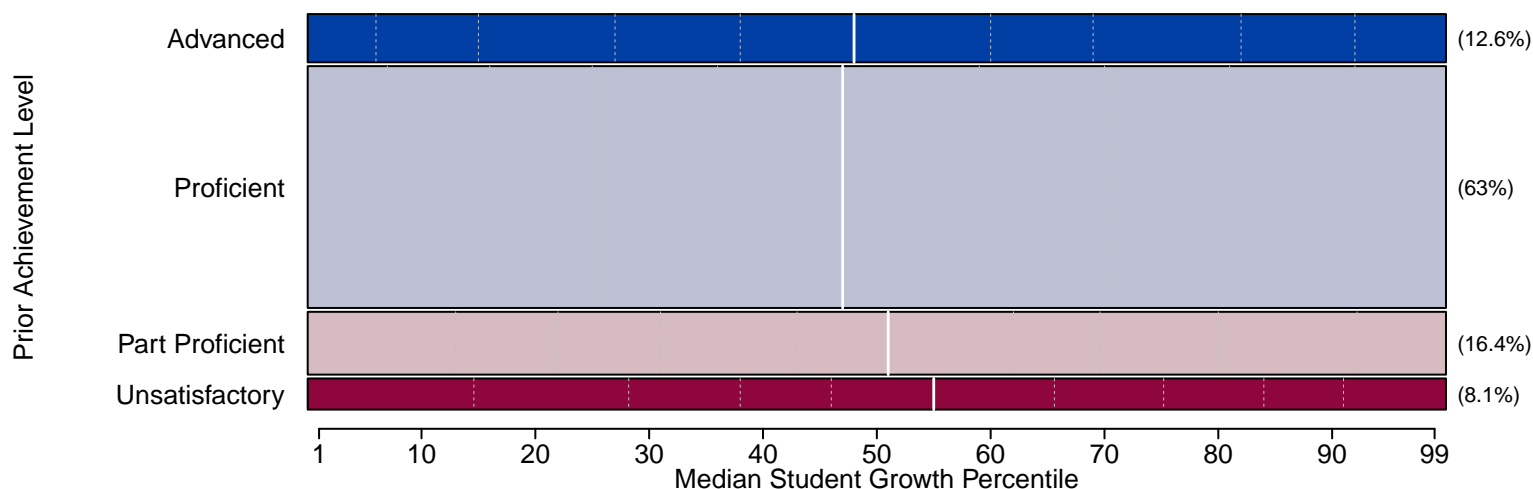# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016 Reading SGP SIMEX, Grade 6 (N = 4,030)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level (y-axis):
- Advanced (12.6%)
- Proficient (63%)
- Part Proficient (16.4%)
- Unsatisfactory (8.1%)

x-axis: 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]	33.3	25.0	12.5	20.8	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[446,474]	15.4	7.7	11.5	15.4	7.7	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	4.0	4.0	0.0	0.0	4.0	0.0	12.0	20.0	52.0	N = 25
	[770,837]	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	8.0	72.0	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]	6.30	8.56	7.56	10.33	11.34	11.34	9.82	11.34	11.84	11.59	(9.9%)
2nd/[547,577]	8.08	7.83	12.63	8.33	10.86	10.10	11.87	9.34	7.83	13.13	(9.8%)
3rd/[577,598]	10.81	8.60	10.32	9.09	8.60	11.79	7.62	11.30	9.58	12.29	(10.1%)
4th/[598,614]	9.77	11.57	8.23	10.80	9.00	9.77	10.28	10.54	7.20	12.85	(9.7%)
5th/[614,628]	11.64	12.83	10.69	9.74	9.98	9.50	5.94	6.41	11.40	11.88	(10.4%)
6th/[628,642]	13.52	10.71	8.93	9.44	6.38	7.91	9.44	9.18	12.76	11.73	(9.7%)
7th/[642,657]	16.06	9.98	9.49	10.71	7.79	6.57	9.98	9.00	7.54	12.90	(10.2%)
8th/[657,674]	12.50	13.75	10.75	7.50	9.50	8.25	7.50	9.50	8.25	12.50	(9.9%)
9th/[674,696]	13.40	11.91	8.93	8.68	8.93	6.70	11.17	8.19	9.18	12.90	(10%)
10th/[696,864]	13.53	11.11	8.21	8.94	9.42	7.97	10.63	7.25	10.14	12.80	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis: 0–100); Empirical SGP Distribution (y-axis: 0–100)