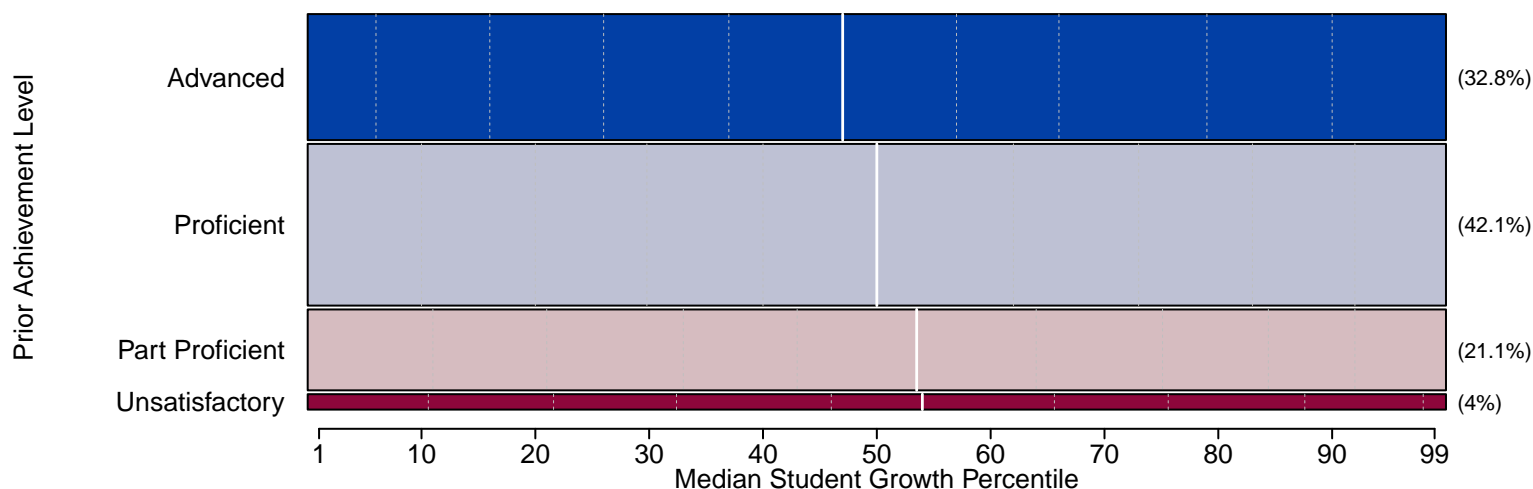# Student Growth Percentile Goodness–of–Fit Descriptives

2014–2015 Mathematics SGP SIMEX, Grade 6 (N = 3,959)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level — Median Student Growth Percentile

- Advanced (32.8%)
- Proficient (42.1%)
- Part Proficient (21.1%)
- Unsatisfactory (4%)

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:	[244,357)	52.0	16.0	8.0	4.0	8.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	N = 25
	[357,390]	34.6	11.5	7.7	19.2	11.5	0.0	3.8	3.8	0.0	0.0	0.0	7.7	N = 26
Highest OSS:	[716,737)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2	37.5	33.3	N = 24
	[737,830]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	14.8	77.8	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/[220,454)	8.40	8.91	8.40	10.18	6.36	12.47	9.16	8.91	10.18	17.05	(9.9%)
2nd/[454,483)	10.39	8.31	7.53	12.99	8.31	9.09	8.57	9.35	11.17	14.29	(9.7%)
3rd/[483,502)	7.24	9.04	11.37	9.30	10.08	9.82	10.08	9.04	11.89	12.14	(9.8%)
4th/[502,519)	10.37	8.64	10.37	8.15	10.12	8.64	9.14	9.63	10.37	14.57	(10.2%)
5th/[519,535)	9.82	8.56	9.07	10.08	7.81	6.55	10.33	13.35	9.57	14.86	(10%)
6th/[535,550)	9.38	12.50	9.11	11.20	9.38	7.55	11.72	7.03	11.46	10.68	(9.7%)
7th/[550,567)	13.77	9.18	9.90	9.90	9.90	10.39	8.94	7.25	10.39	10.39	(10.5%)
8th/[567,589)	13.75	8.25	11.25	10.50	9.00	9.00	8.50	10.75	8.00	11.00	(10.1%)
9th/[589,617)	13.74	9.67	12.47	8.40	10.18	9.41	9.16	7.63	10.18	9.16	(9.9%)
10th/[617,800]	14.21	13.72	6.73	8.48	11.97	7.73	11.72	6.23	8.23	10.97	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution — Empirical SGP Distribution