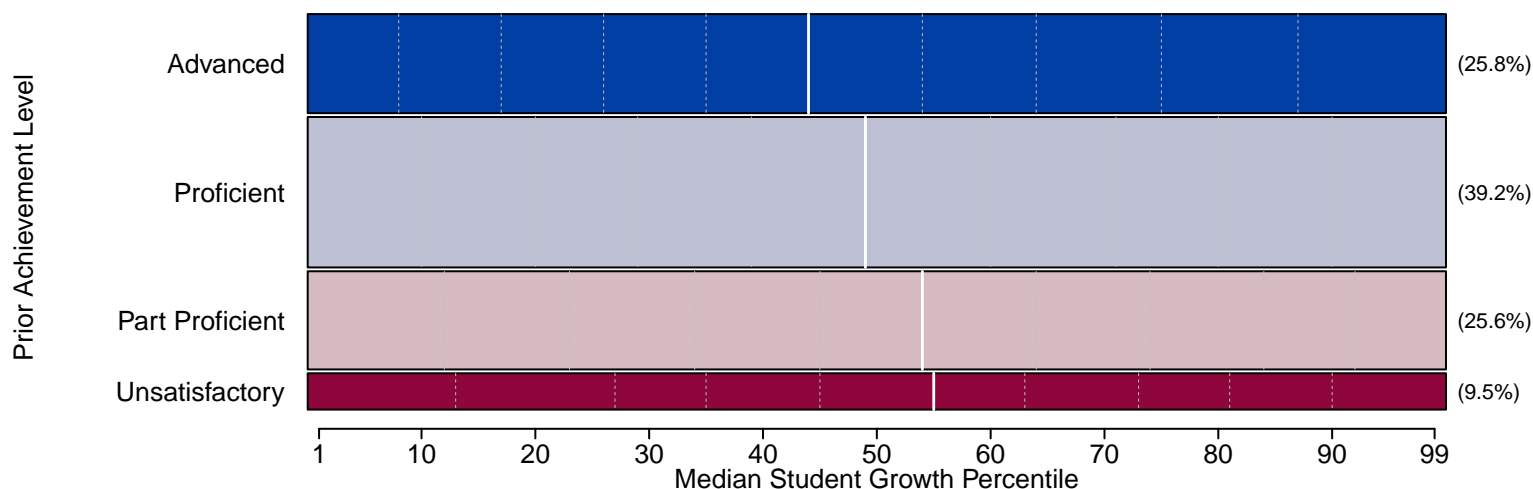# Student Growth Percentile Goodness–of–Fit Descriptives
2014–2015 Mathematics SGP SIMEX Ranked, Grade 7 (N = 3,923)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level	
Advanced	(25.8%)
Proficient	(39.2%)
Part Proficient	(25.6%)
Unsatisfactory	(9.5%)

Median Student Growth Percentile

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:	[280,385]	48.0	12.0	24.0	8.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0	N = 25
	[385,416]	20.0	16.0	8.0	8.0	16.0	12.0	0.0	12.0	0.0	0.0	4.0	4.0	N = 25
Highest OSS:	[714,732]	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	16.0	28.0	12.0	32.0	N = 25
	[732,860]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	12.0	12.0	68.0	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/[240,455]	7.61	6.04	8.92	11.02	10.76	9.45	10.76	11.81	12.34	11.29	(9.7%)
2nd/[455,486]	7.09	9.11	9.11	9.62	8.10	10.63	11.14	9.87	12.15	13.16	(10.1%)
3rd/[486,510]	8.27	6.52	8.52	10.53	12.53	11.53	10.78	7.02	10.53	13.78	(10.2%)
4th/[510,529]	7.73	12.27	8.00	8.53	6.40	9.60	10.40	12.53	11.73	12.80	(9.6%)
5th/[529,546]	7.83	9.60	9.60	10.35	11.11	8.59	10.61	9.85	10.61	11.87	(10.1%)
6th/[546,564]	7.94	11.66	10.92	9.68	9.93	6.95	10.67	12.66	8.19	11.41	(10.3%)
7th/[564,581]	11.87	10.29	11.35	8.97	11.87	10.03	6.07	9.76	10.03	9.76	(9.7%)
8th/[581,600]	11.39	10.38	11.14	12.41	8.86	10.89	10.89	7.09	8.35	8.61	(10.1%)
9th/[600,627]	10.50	13.25	11.50	10.50	10.75	9.00	10.00	9.25	8.00	7.25	(10.2%)
10th/[627,793]	13.75	11.50	9.50	11.75	9.50	9.25	8.50	8.75	8.00	9.50	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution