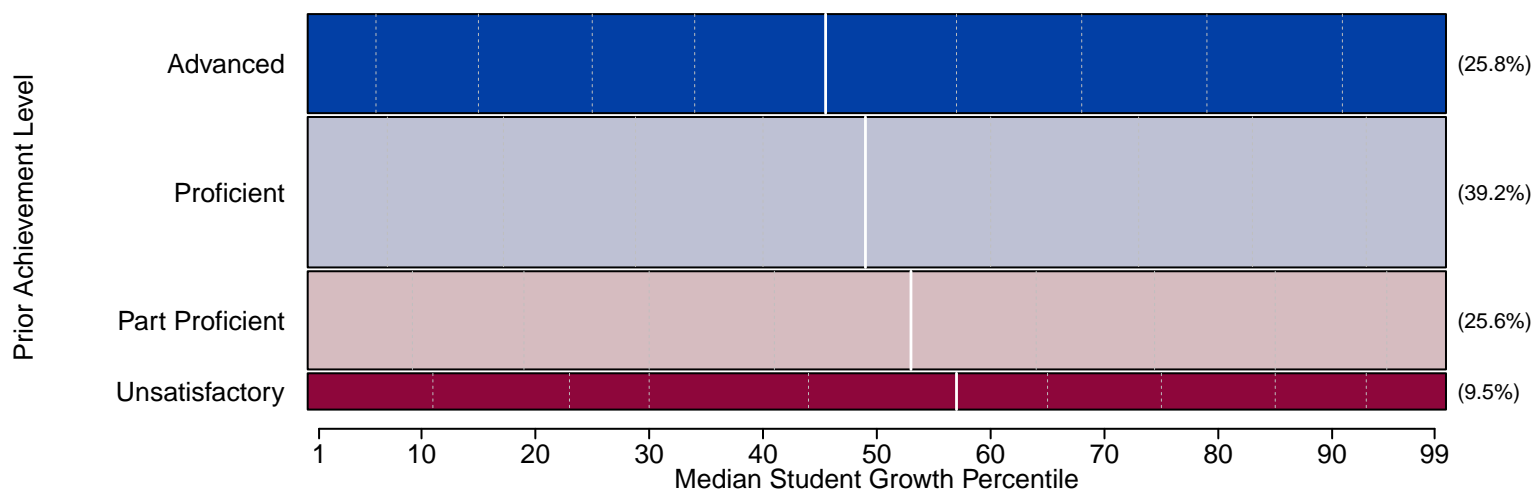# Student Growth Percentile Goodness–of–Fit Descriptives
2014–2015 Mathematics SGP SIMEX, Grade 7 (N = 3,923)

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: 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:	[280,385]	36.0	12.0	36.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	N = 25
	[385,416]	28.0	0.0	16.0	20.0	16.0	0.0	4.0	8.0	0.0	4.0	0.0	4.0	N = 25
Highest OSS:	[714,732]	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	12.0	24.0	20.0	32.0	N = 25
	[732,860]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.0	8.0	24.0	56.0	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]	7.09	10.50	9.97	9.19	6.56	7.87	14.70	8.14	12.60	13.39	(9.7%)
2nd/[455,486]	9.87	10.89	7.34	8.35	7.34	8.86	10.13	9.87	11.39	15.95	(10.1%)
3rd/[486,510]	9.52	7.77	11.03	11.03	9.77	9.77	9.27	7.02	9.02	15.79	(10.2%)
4th/[510,529]	10.67	12.27	9.07	7.20	7.20	8.27	9.60	11.47	10.93	13.33	(9.6%)
5th/[529,546]	10.10	9.34	8.59	10.35	11.87	8.08	10.35	8.08	8.59	14.65	(10.1%)
6th/[546,564]	10.92	10.17	8.93	9.93	9.43	6.70	11.17	9.93	8.93	13.90	(10.3%)
7th/[564,581]	15.83	8.97	7.39	8.71	11.61	10.29	6.86	7.39	9.23	13.72	(9.7%)
8th/[581,600]	14.43	10.89	8.61	11.14	7.85	7.59	11.65	6.58	9.37	11.90	(10.1%)
9th/[600,627]	13.25	13.25	10.00	10.50	8.75	6.75	9.00	10.00	8.50	10.00	(10.2%)
10th/[627,793]	16.25	9.25	8.25	10.00	8.25	11.50	7.00	11.00	7.00	11.50	(10.2%)

*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