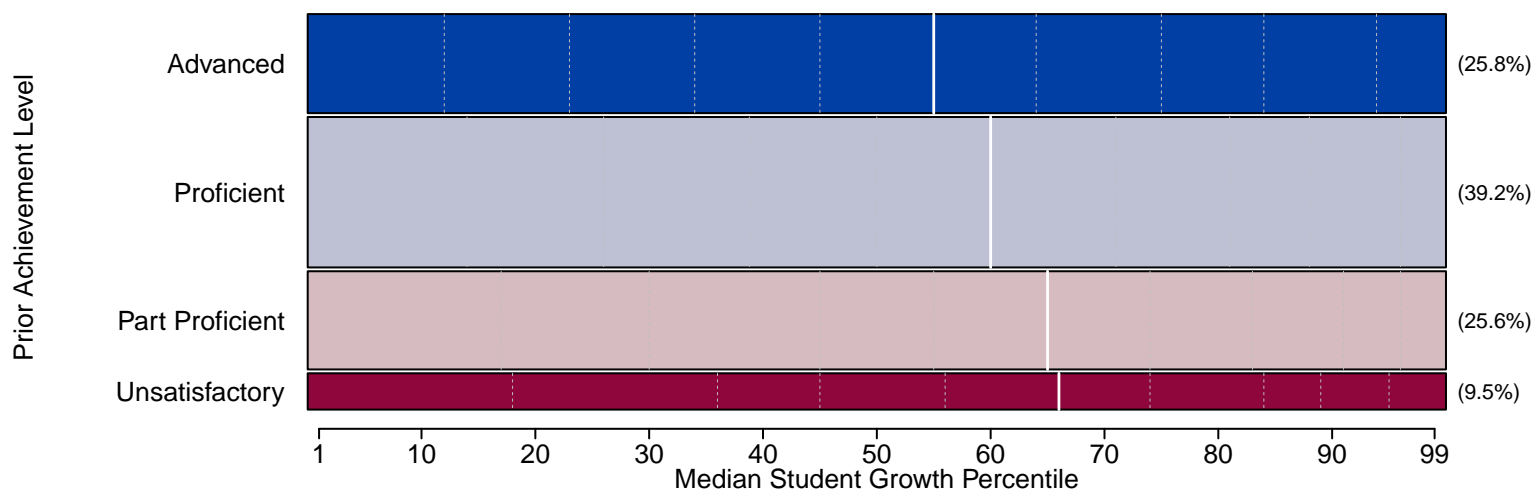# Student Growth Percentile Goodness–of–Fit Descriptives

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

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]	40.0	12.0	24.0	8.0	8.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	N = 25
	[385,416]	12.0	16.0	12.0	4.0	8.0	16.0	12.0	0.0	12.0	0.0	0.0	8.0	N = 25
Highest OSS:	[714,732]	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	20.0	20.0	48.0		N = 25
	[732,860]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	8.0	84.0	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]	4.99	5.51	4.20	8.14	10.24	11.02	8.92	11.02	16.54	19.42	(9.7%)
2nd/[455,486]	5.57	4.81	9.37	6.33	8.10	8.35	10.13	12.41	12.15	22.78	(10.1%)
3rd/[486,510]	6.52	4.76	5.76	6.77	9.27	12.78	11.28	11.03	9.77	22.06	(10.2%)
4th/[510,529]	5.07	8.00	9.07	6.67	6.93	6.93	9.33	10.93	17.33	19.73	(9.6%)
5th/[529,546]	5.05	7.07	8.84	6.06	9.60	11.62	8.08	11.36	11.87	20.45	(10.1%)
6th/[546,564]	4.96	7.20	10.17	9.68	8.19	9.68	5.96	12.66	13.15	18.36	(10.3%)
7th/[564,581]	9.50	7.12	8.97	8.44	7.65	11.87	10.29	6.86	11.08	18.21	(9.7%)
8th/[581,600]	8.86	7.59	9.62	7.85	10.63	9.11	11.14	11.39	8.10	15.70	(10.1%)
9th/[600,627]	8.00	8.75	10.50	8.25	9.75	11.25	8.75	10.25	12.50	12.00	(10.2%)
10th/[627,793]	9.75	8.25	11.00	6.00	11.25	8.75	9.75	8.75	10.75	15.75	(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