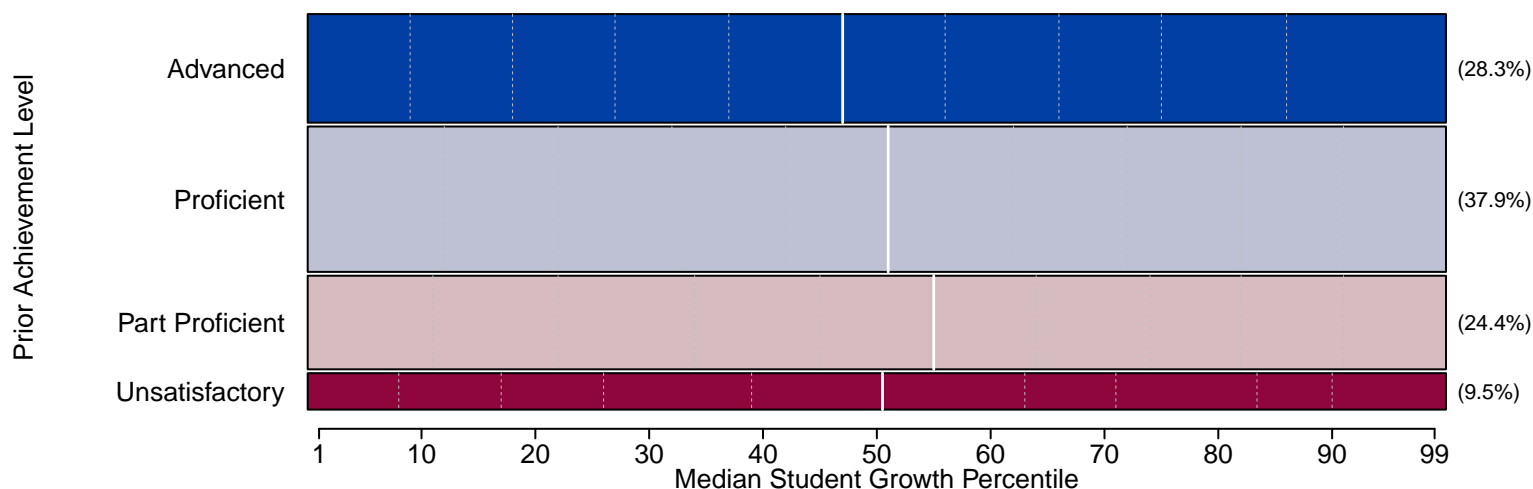# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017 Mathematics SGP SIMEX Ranked, Grade 7 (N = 4,152)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level:
- Advanced (28.3%)
- Proficient (37.9%)
- Part Proficient (24.4%)
- 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:	[280,344]	44.0	16.0	12.0	8.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	12.0	N = 25
	[344,386]	34.6	19.2	7.7	26.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	7.7	N = 26
Highest OSS:	[715,726]	0.0	0.0	0.0	0.0	0.0	4.0	8.0	4.0	32.0	32.0	4.0	16.0	N = 25
	[726,860]	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	14.8	14.8	25.9	33.3	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/[240,457]	11.19	11.92	9.25	7.54	7.79	9.73	9.73	11.44	10.95	10.46	(9.9%)
2nd/[457,490]	6.67	9.63	9.63	11.11	7.90	9.38	12.59	12.59	10.12	10.37	(9.8%)
3rd/[490,512]	8.85	9.33	9.33	8.37	9.57	11.00	10.05	8.13	11.72	13.64	(10.1%)
4th/[512,531]	7.92	11.88	8.66	9.41	7.92	8.91	9.90	11.14	9.65	14.60	(9.7%)
5th/[531,548]	7.08	10.05	7.08	9.82	8.90	9.13	10.05	13.70	12.10	12.10	(10.5%)
6th/[548,566]	10.29	8.58	12.01	8.33	11.52	9.80	11.03	7.11	12.50	8.82	(9.8%)
7th/[566,585]	7.58	8.77	10.90	10.19	13.27	9.95	7.58	11.37	9.72	10.66	(10.2%)
8th/[585,607]	7.96	10.20	9.45	11.69	10.70	7.96	11.69	8.96	9.45	11.94	(9.7%)
9th/[607,639]	12.15	9.58	11.68	8.88	10.28	12.85	11.68	7.24	8.64	7.01	(10.3%)
10th/[639,830]	11.78	11.30	11.30	11.06	11.06	11.30	7.21	9.62	9.38	6.01	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution