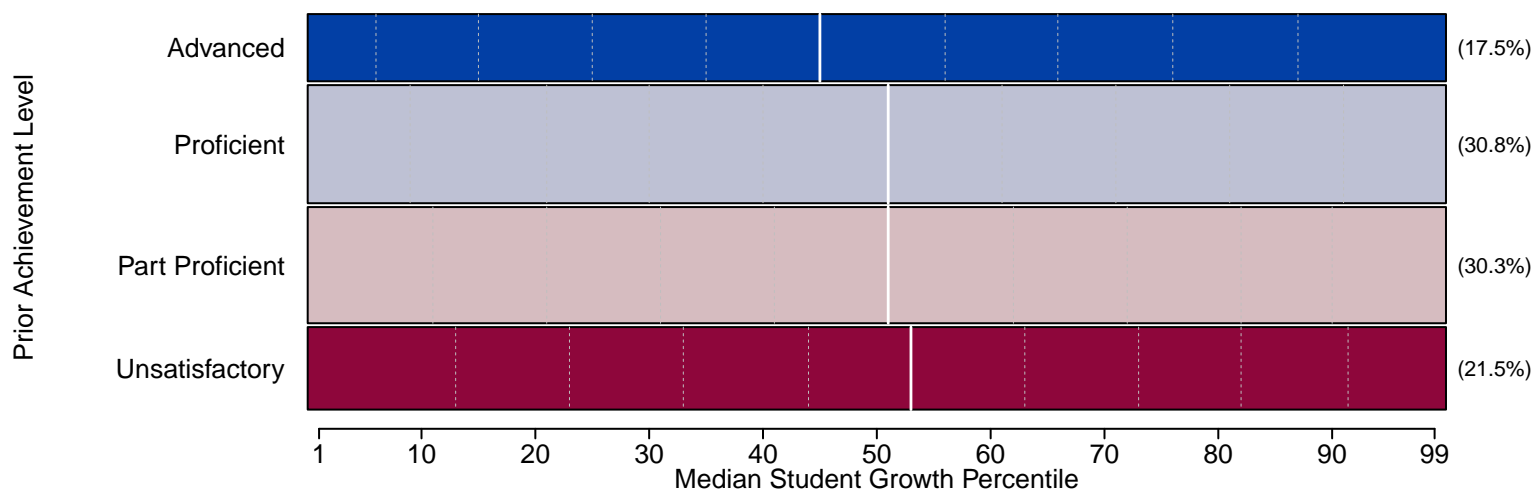# Student Growth Percentile Goodness–of–Fit Descriptives

2014–2015 Mathematics SGP SIMEX Ranked, Grade 10 (N = 3,989)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level:
- Advanced (17.5%)
- Proficient (30.8%)
- Part Proficient (30.3%)
- Unsatisfactory (21.5%)

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:	[370,377]	41.7	16.7	25.0	8.3	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[377,409]	23.1	7.7	23.1	26.9	7.7	3.8	7.7	0.0	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[729,740]	0.0	4.0	8.0	0.0	8.0	8.0	12.0	8.0	12.0	16.0	12.0	12.0	N = 25
	[740,782]	4.0	0.0	4.0	0.0	0.0	0.0	8.0	4.0	8.0	24.0	12.0	36.0	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/[340,512)	5.60	10.69	10.94	10.18	10.43	11.70	7.12	9.92	11.70	11.70	(9.9%)
2nd/[512,545)	9.75	9.75	9.00	7.50	10.25	9.50	9.00	12.00	12.00	11.25	(10%)
3rd/[545,565)	6.70	9.02	10.05	9.79	8.51	9.28	12.89	10.82	9.02	13.92	(9.7%)
4th/[565,584)	9.14	11.36	8.89	9.14	11.36	9.14	9.88	8.64	10.86	11.60	(10.2%)
5th/[584,599)	9.11	12.15	9.11	10.63	8.10	9.11	10.63	9.62	12.66	8.86	(9.9%)
6th/[599,613)	10.10	9.11	10.34	9.61	8.37	10.10	9.61	10.59	11.08	11.08	(10.2%)
7th/[613,628)	9.47	8.68	9.47	12.63	7.37	10.00	11.05	7.89	10.53	12.89	(9.5%)
8th/[628,646)	11.22	6.34	10.49	10.98	10.73	9.76	10.49	11.95	8.29	9.76	(10.3%)
9th/[646,669)	11.03	13.24	9.07	10.78	10.29	9.56	8.09	9.80	9.07	9.07	(10.2%)
10th/[669,801)	13.61	12.38	9.41	8.17	11.39	8.91	8.42	10.15	8.91	8.66	(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