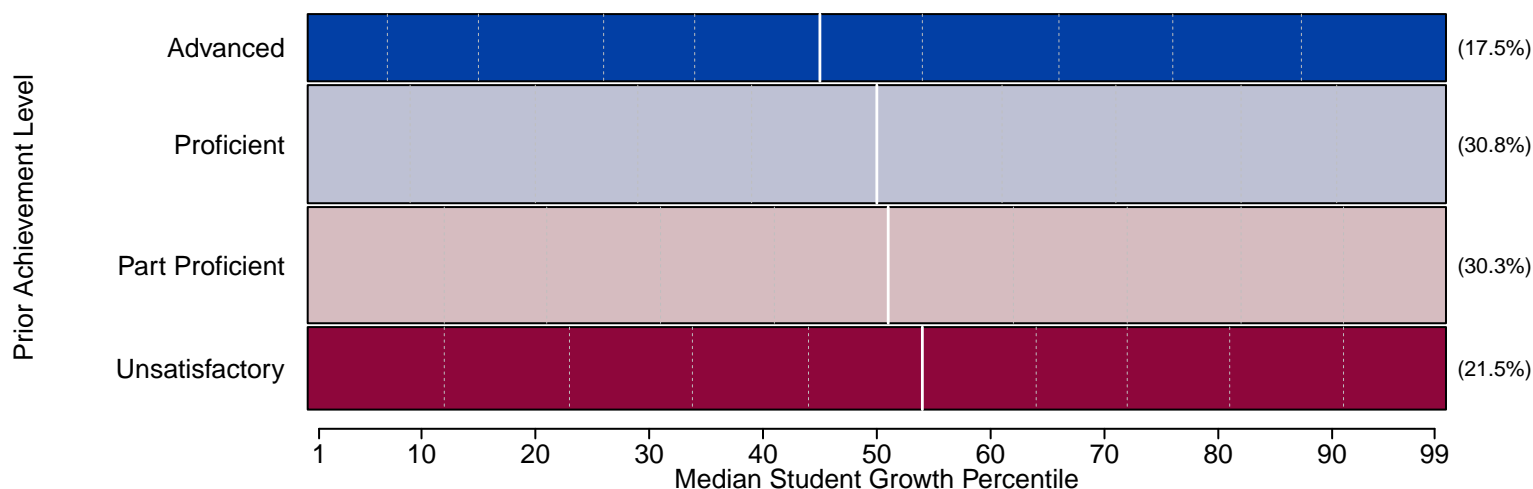# Student Growth Percentile Goodness–of–Fit Descriptives
2014–2015 Mathematics SGP SIMEX Ranked, Grade 10 (N = 3,989)

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]	45.8	16.7	20.8	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[377,409]	23.1	11.5	15.4	19.2	11.5	11.5	3.8	3.8	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[729,740]	0.0	0.0	4.0	12.0	4.0	16.0	12.0	4.0	16.0	20.0	8.0	4.0	N = 25
	[740,782]	0.0	0.0	0.0	0.0	0.0	4.0	8.0	8.0	12.0	36.0	12.0	20.0	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]	6.36	8.65	8.65	10.69	12.47	10.43	9.67	11.96	9.67	11.45	(9.9%)
2nd/[512,545]	9.75	10.25	8.00	7.75	9.75	9.00	11.50	12.00	9.75	12.25	(10%)
3rd/[545,565]	6.70	9.28	9.79	9.79	8.51	10.57	10.82	11.34	9.54	13.66	(9.7%)
4th/[565,584]	7.90	11.85	10.62	8.15	11.11	9.14	8.89	10.62	9.88	11.85	(10.2%)
5th/[584,599]	8.35	12.15	8.86	10.13	9.37	8.35	10.13	11.14	12.15	9.37	(9.9%)
6th/[599,613]	9.36	8.62	10.59	9.85	10.10	8.37	9.85	10.59	11.58	11.08	(10.2%)
7th/[613,628]	8.95	9.21	10.79	11.32	8.16	9.47	10.26	7.89	10.79	13.16	(9.5%)
8th/[628,646]	11.46	8.54	9.76	11.46	9.27	11.22	9.51	9.76	9.02	10.00	(10.3%)
9th/[646,669]	12.25	13.97	8.33	11.52	8.58	12.01	7.35	6.62	10.29	9.07	(10.2%)
10th/[669,801]	13.61	9.65	10.89	8.42	11.63	9.41	9.41	9.41	10.64	6.93	(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