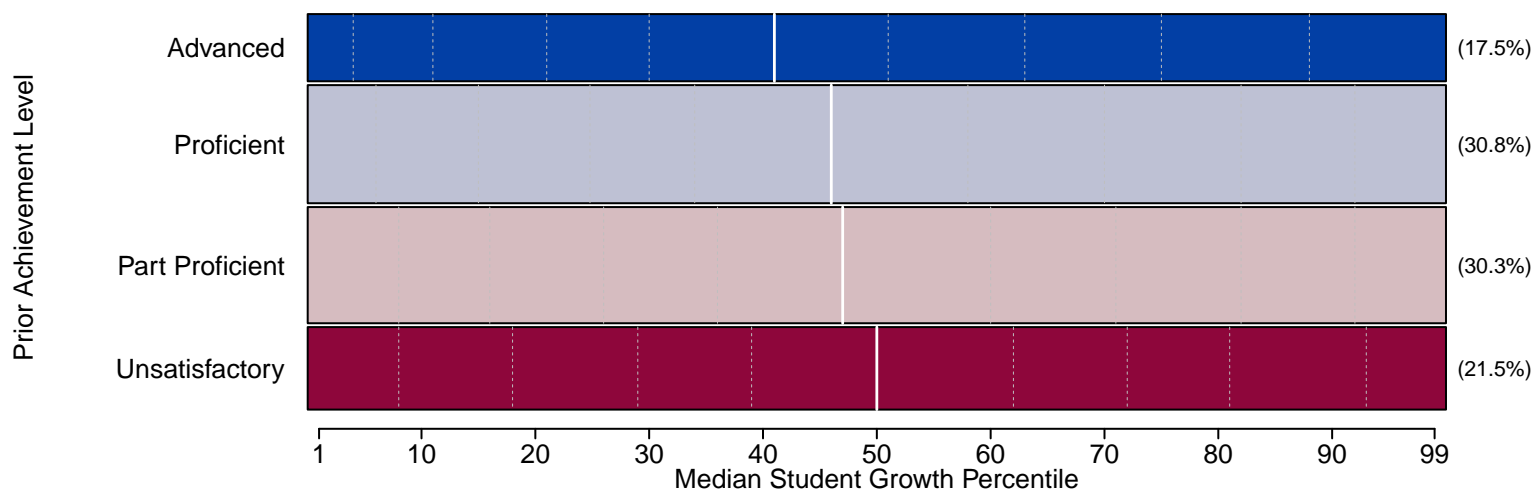# Student Growth Percentile Goodness–of–Fit Descriptives
2014–2015 Mathematics SGP SIMEX, Grade 10 (N = 3,989)

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]	66.7	4.2	12.5	8.3	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[377,409]	34.6	15.4	11.5	15.4	7.7	11.5	3.8	0.0	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[729,740]	0.0	4.0	0.0	12.0	8.0	16.0	8.0	4.0	16.0	16.0	8.0	8.0	N = 25
	[740,782]	0.0	0.0	0.0	0.0	0.0	4.0	8.0	8.0	12.0	24.0	20.0	24.0	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)	10.43	9.16	9.41	11.70	9.67	9.92	7.38	11.45	8.65	12.21	(9.9%)
2nd/[512,545)	14.75	10.00	7.75	9.25	7.50	7.75	10.00	10.50	10.00	12.50	(10%)
3rd/[545,565)	10.31	11.34	9.02	8.76	8.76	9.79	8.25	10.57	8.76	14.43	(9.7%)
4th/[565,584)	10.37	14.32	8.89	10.62	9.14	8.15	6.67	9.63	9.38	12.84	(10.2%)
5th/[584,599)	14.18	11.90	8.61	10.13	8.86	4.56	9.37	10.13	11.90	10.38	(9.9%)
6th/[599,613)	13.05	10.34	9.36	8.87	9.61	8.37	8.37	9.11	11.33	11.58	(10.2%)
7th/[613,628)	13.16	11.05	9.47	9.47	7.11	10.26	9.21	6.32	10.00	13.95	(9.5%)
8th/[628,646)	15.85	9.02	11.22	8.78	10.00	8.78	8.54	9.02	8.05	10.73	(10.3%)
9th/[646,669)	19.12	10.78	10.78	9.56	7.60	9.56	7.11	6.13	8.82	10.54	(10.2%)
10th/[669,801]	18.32	8.42	12.13	8.66	10.40	7.92	8.42	8.17	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