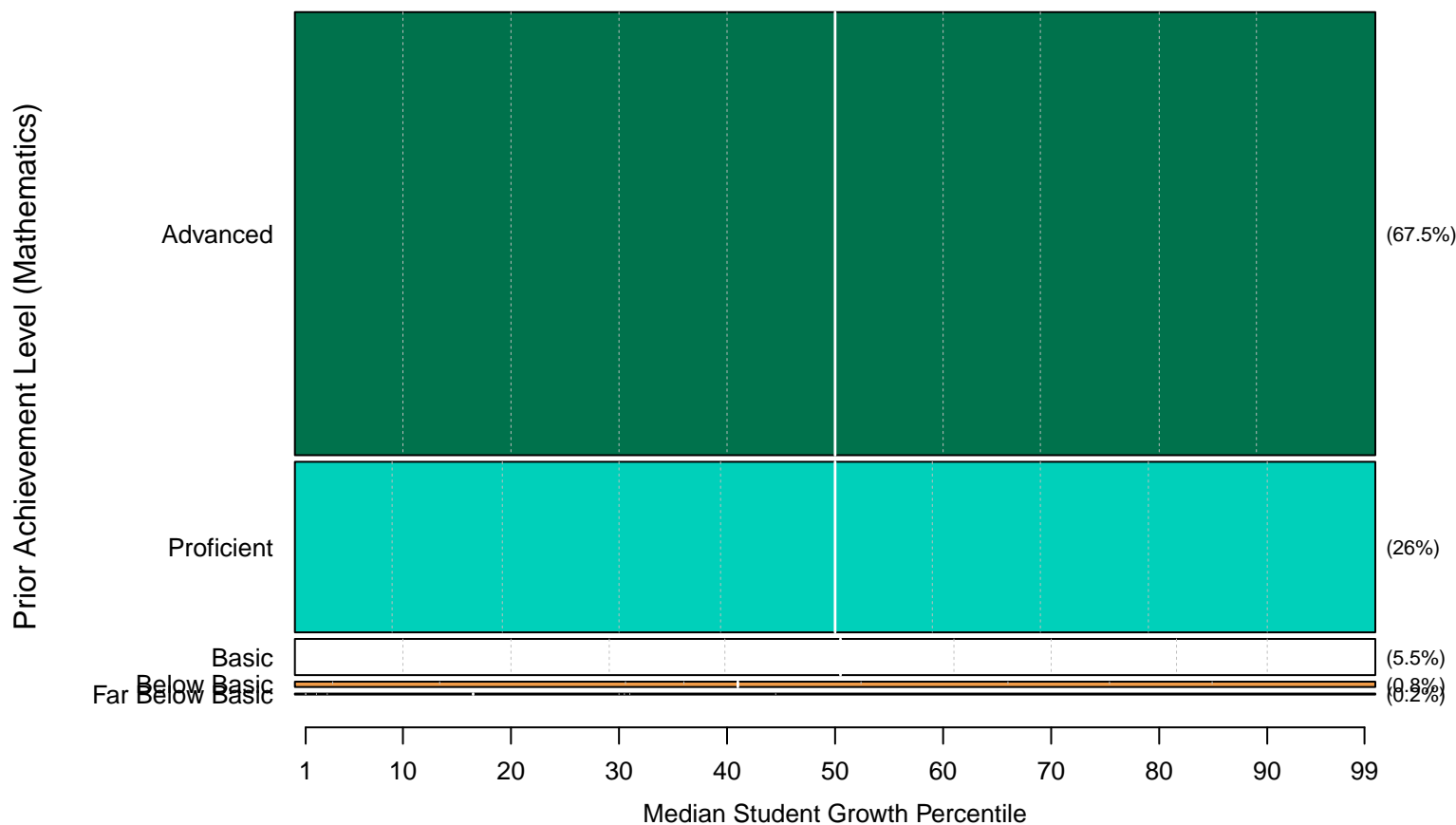# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Algebra I SGP, Grade EOCT (N = 3,951)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Advanced	(67.5%)
Proficient	(26%)
Basic	(5.5%)
Below Basic	(0.8%)
Far Below Basic	(0.2%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

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/[241,363]	9.71	10.57	9.43	11.71	10.29	9.14	10.29	10.00	10.00	8.86	(8.9%)
2nd/[363,394]	10.96	10.02	10.72	10.26	9.32	9.32	9.56	9.79	10.72	9.32	(10.9%)
3rd/[394,413]	10.40	8.09	9.25	10.12	8.38	11.56	10.40	10.40	9.83	11.56	(8.8%)
4th/[413,428]	9.64	10.84	10.54	7.23	11.75	9.34	10.84	7.83	9.34	12.65	(8.4%)
5th/[428,446]	9.04	10.37	9.57	10.64	11.44	9.84	10.37	9.31	11.17	8.24	(9.5%)
6th/[446,469]	9.40	10.47	10.90	10.04	8.33	11.11	8.76	9.83	12.61	8.55	(11.8%)
7th/[469,483]	12.04	9.85	7.66	13.50	8.39	7.30	9.85	12.77	8.39	10.22	(6.9%)
8th/[483,502]	10.14	11.15	11.82	10.81	11.15	10.47	8.78	8.45	7.43	9.80	(7.5%)
9th/[502,568]	7.54	9.26	10.20	8.32	9.89	10.36	12.24	11.15	8.63	12.40	(16.1%)
10th/[568,600]	11.29	10.38	9.26	10.61	10.16	10.38	11.51	5.64	12.64	8.13	(11.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100