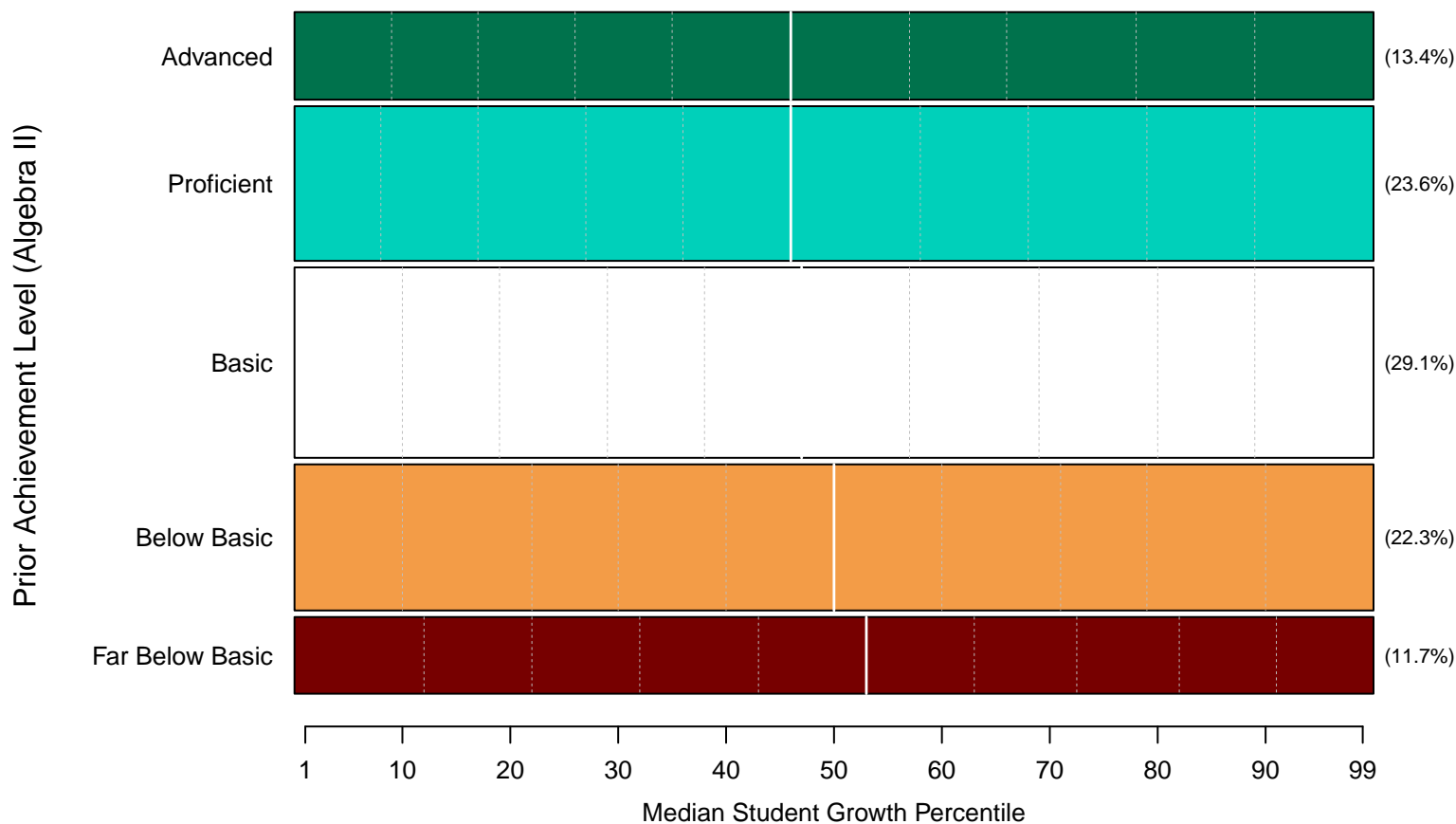# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Summative HS Mathematics SGP, Grade EOCT (N = 9,282)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Level	Percent
Advanced	(13.4%)
Proficient	(23.6%)
Basic	(29.1%)
Below Basic	(22.3%)
Far Below Basic	(11.7%)

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/[166,254)	7.41	9.38	9.95	9.38	10.65	10.07	11.23	8.80	11.11	12.04	(9.3%)
2nd/[254,274)	8.30	10.11	12.15	10.23	10.35	9.75	10.59	9.99	9.15	9.39	(9%)
3rd/[274,292)	9.05	9.47	10.70	7.61	12.76	9.77	7.92	12.24	9.26	11.21	(10.5%)
4th/[292,310)	9.33	10.98	7.87	10.30	10.69	9.23	11.47	10.20	10.40	9.52	(11.1%)
5th/[310,324)	10.93	8.23	10.12	14.57	9.45	8.77	10.39	6.88	11.07	9.58	(8%)
6th/[324,343)	7.76	13.13	8.79	10.96	8.58	8.58	10.44	9.10	11.07	11.58	(10.4%)
7th/[343,363)	9.85	12.65	10.97	9.63	10.41	10.53	9.29	9.52	9.97	7.17	(9.6%)
8th/[363,390)	11.30	12.08	9.95	11.50	9.86	8.70	9.08	7.34	8.79	11.40	(11.2%)
9th/[390,432)	9.91	8.81	10.91	8.41	11.21	8.51	11.31	10.01	11.31	9.61	(10.8%)
10th/[432,600)	11.36	11.57	12.30	9.78	9.67	9.99	8.41	9.78	7.99	9.15	(10.2%)

*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