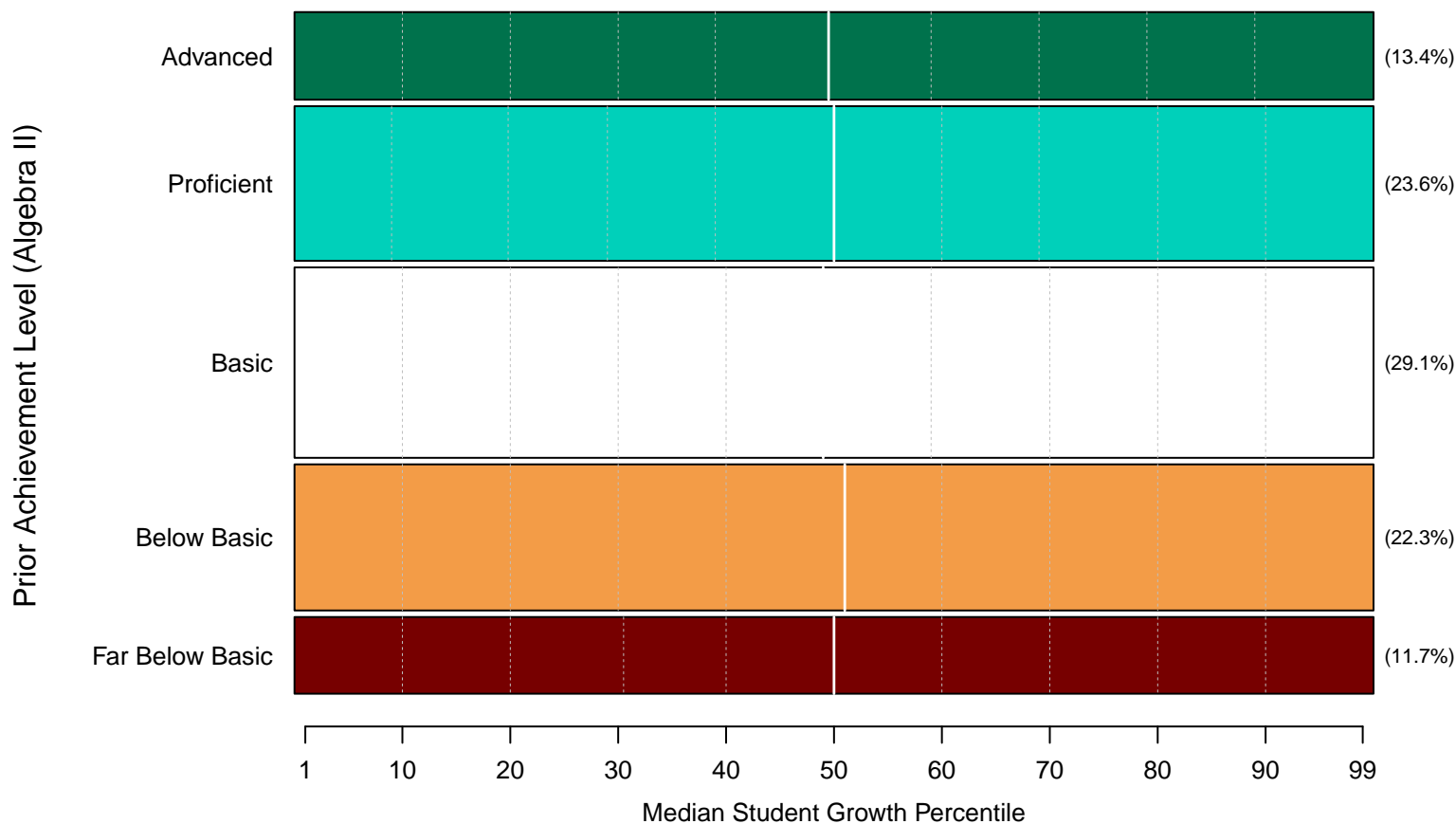# Student Growth Percentile Goodness–of–Fit Descriptives

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)	9.49	10.07	11.00	9.26	9.14	10.42	10.19	10.42	9.84	10.19	(9.3%)
2nd/[254,274)	9.75	12.39	10.11	10.35	10.11	9.51	9.27	8.90	10.23	9.39	(9%)
3rd/[274,292)	10.29	9.88	9.05	10.29	8.85	9.36	10.60	11.21	9.26	11.21	(10.5%)
4th/[292,310)	9.33	8.65	10.20	8.55	10.79	10.88	11.47	10.20	9.62	10.30	(11.1%)
5th/[310,324)	10.93	8.23	10.12	13.09	9.31	10.39	10.39	6.88	11.07	9.58	(8%)
6th/[324,343)	7.76	12.20	8.48	10.44	10.34	8.58	7.65	11.89	10.65	12.00	(10.4%)
7th/[343,363)	9.85	10.41	11.31	8.62	11.31	9.97	11.87	9.18	8.62	8.85	(9.6%)
8th/[363,390)	10.63	10.05	11.79	10.63	8.60	9.95	8.70	8.70	9.37	11.59	(11.2%)
9th/[390,432)	8.81	7.91	8.71	9.41	9.91	11.91	11.01	10.71	12.01	9.61	(10.8%)
10th/[432,600]	10.30	11.15	9.67	11.25	9.67	9.78	9.99	9.99	9.04	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