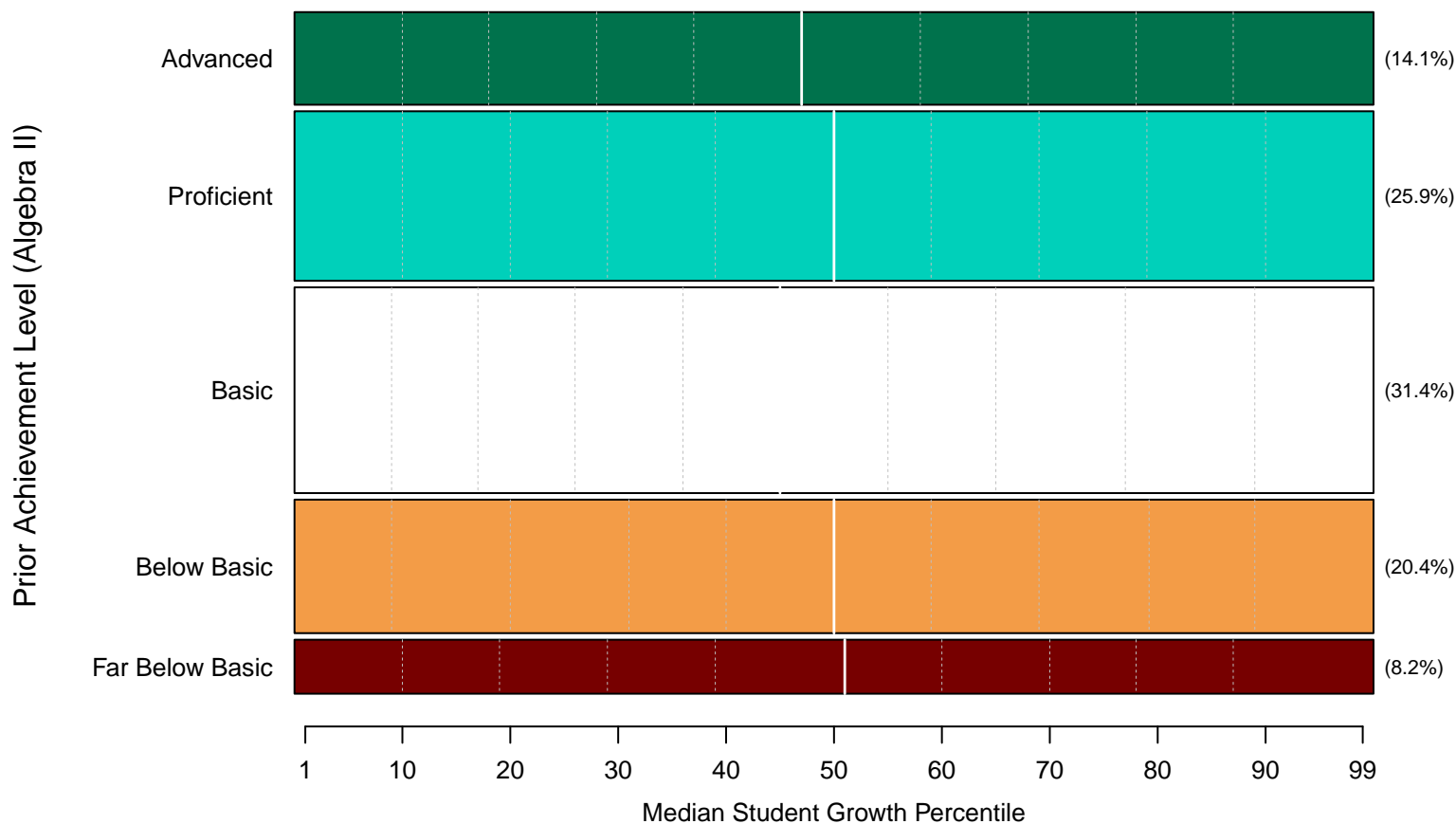# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Summative HS Mathematics SGP, Grade EOCT (N = 7,585)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Advanced	(14.1%)
Proficient	(25.9%)
Basic	(31.4%)
Below Basic	(20.4%)
Far Below Basic	(8.2%)

Median Student Growth Percentile

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/[176,260)	9.76	10.56	10.08	9.92	9.12	10.08	9.76	13.12	9.28	8.32	(8.2%)
2nd/[260,284)	10.62	8.81	8.29	11.40	10.23	10.88	9.84	9.72	10.36	9.84	(10.2%)
3rd/[284,303)	10.22	9.44	10.35	10.22	9.31	10.61	11.00	9.06	10.74	9.06	(10.2%)
4th/[303,321)	11.22	11.95	10.85	11.22	8.78	10.24	9.63	8.17	8.05	9.88	(10.8%)
5th/[321,335)	11.93	12.37	9.57	9.13	10.75	10.31	8.84	10.01	7.66	9.43	(9%)
6th/[335,351)	9.52	11.56	9.30	12.13	12.47	10.32	7.94	9.18	8.39	9.18	(11.6%)
7th/[351,369)	9.34	9.82	10.95	8.21	10.63	11.76	9.66	11.59	8.70	9.34	(8.2%)
8th/[369,391)	10.56	9.76	10.16	10.83	9.63	10.56	8.96	9.22	9.89	10.43	(9.9%)
9th/[391,433)	9.23	11.56	10.82	9.59	9.23	8.36	11.19	10.09	9.23	10.70	(10.7%)
10th/[433,600)	9.62	11.50	9.51	11.15	11.38	8.80	9.86	10.68	9.62	7.86	(11.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution