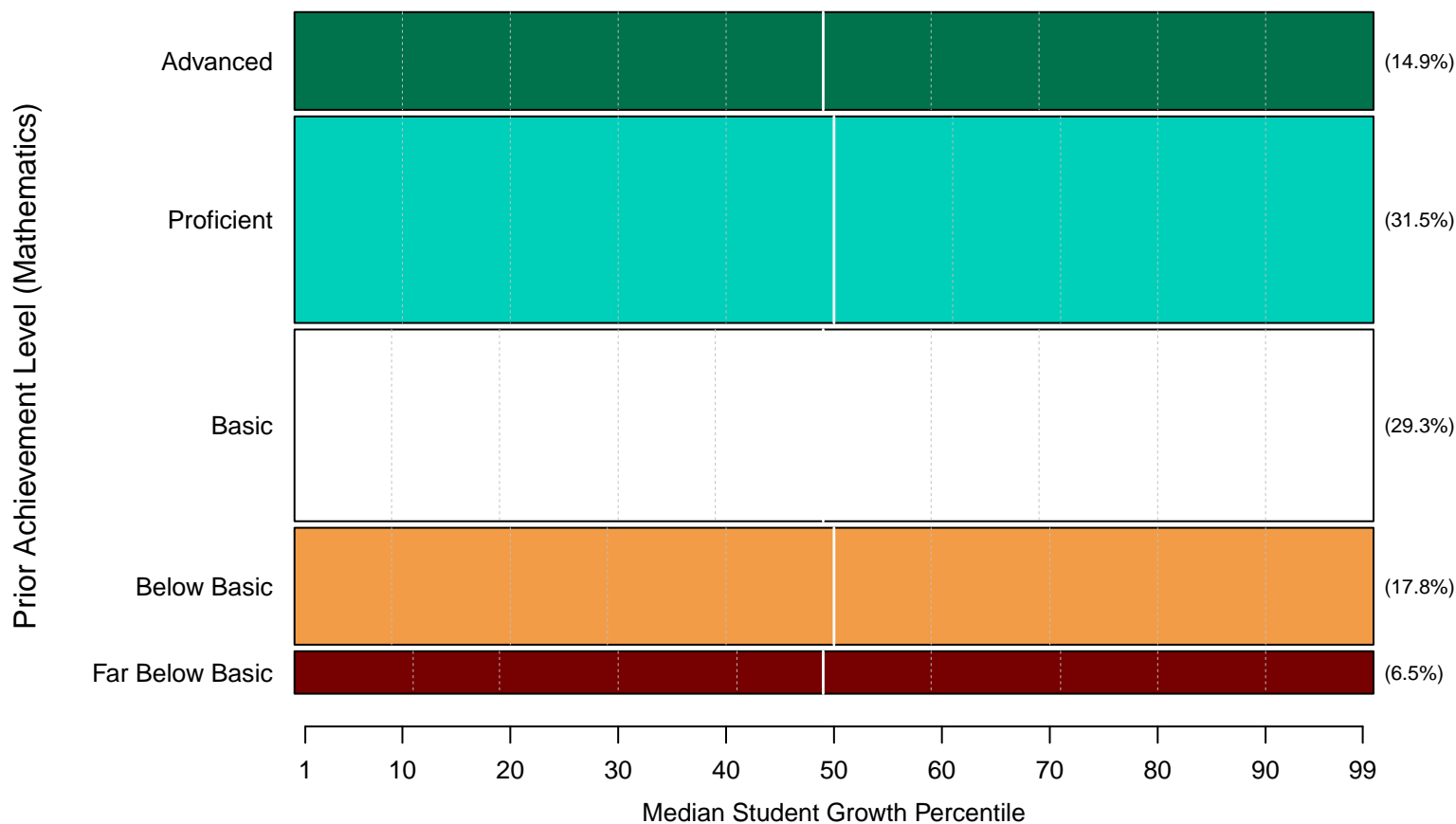# Student Growth Percentile Goodness–of–Fit Descriptives

2011 Algebra I SGP, Grade EOCT (N = 27,021)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Advanced	(14.9%)
Proficient	(31.5%)
Basic	(29.3%)
Below Basic	(17.8%)
Far Below Basic	(6.5%)

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/[152,264)	8.84	11.09	9.16	9.07	12.70	9.34	8.75	10.41	10.10	10.55	(8.2%)
2nd/[264,291)	10.89	8.65	11.81	10.73	7.95	10.92	9.63	9.38	9.79	10.26	(11.7%)
3rd/[291,309)	9.54	9.50	10.41	7.88	10.37	9.96	10.71	10.83	9.67	11.12	(8.9%)
4th/[309,325)	9.43	11.80	9.74	10.77	10.31	9.05	10.39	8.93	10.12	9.47	(9.7%)
5th/[325,342)	10.51	9.41	9.05	10.91	9.45	11.13	9.05	10.43	9.60	10.47	(10.1%)
6th/[342,360)	9.61	10.00	9.97	10.15	11.51	8.64	10.15	9.03	11.08	9.86	(10.3%)
7th/[360,379)	8.81	10.63	9.56	10.48	8.56	10.66	10.31	10.13	9.88	10.98	(10.4%)
8th/[379,400)	9.57	9.84	10.44	8.57	9.13	11.92	8.05	12.00	9.41	11.08	(9.3%)
9th/[400,432)	10.16	10.13	9.55	10.41	11.34	7.87	11.34	9.95	9.70	9.55	(10.3%)
10th/[432,600]	9.47	10.01	10.18	11.05	9.80	10.28	9.84	8.92	10.07	10.38	(10.9%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution