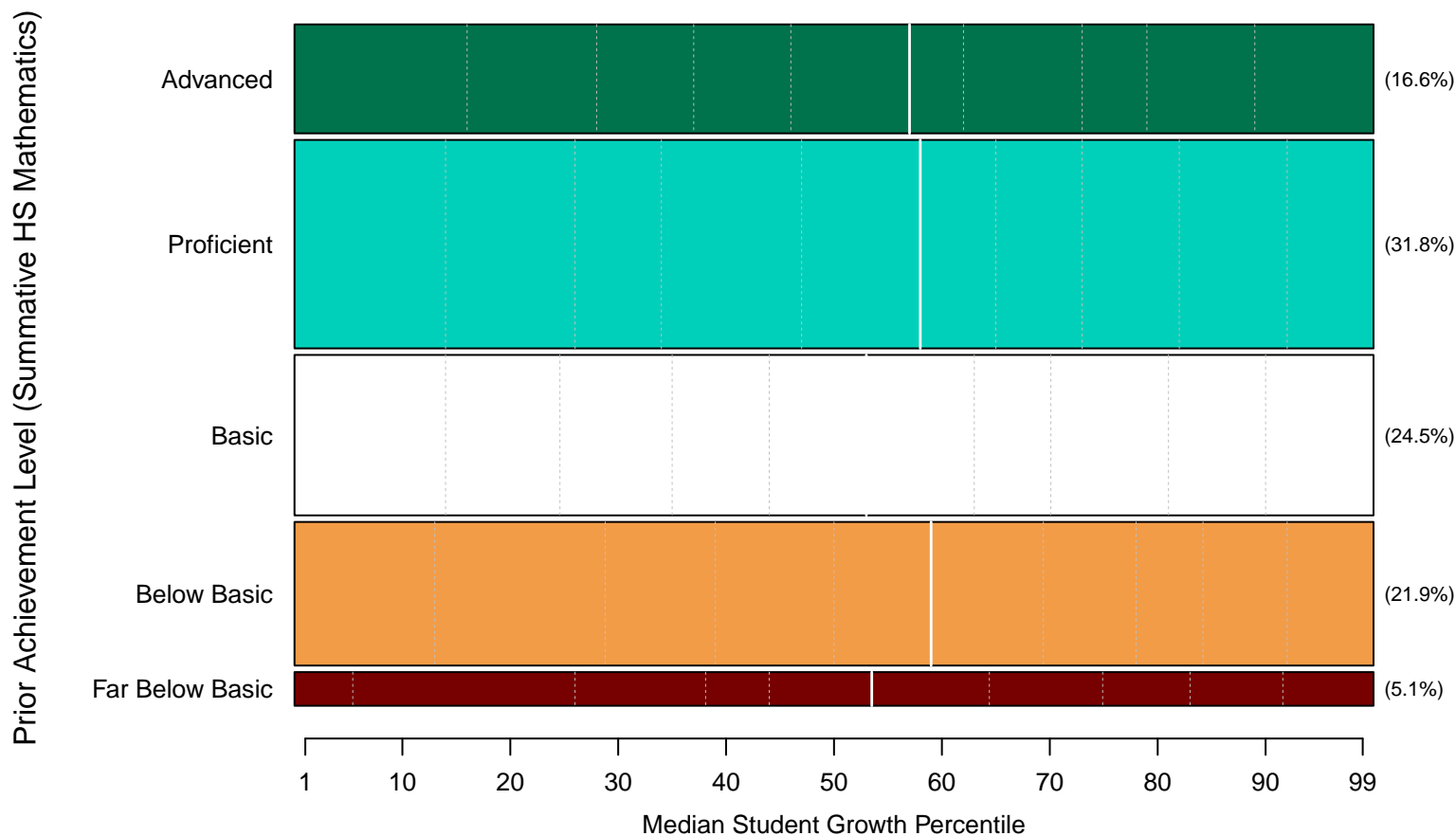# Student Growth Percentile Goodness–of–Fit Descriptives

2010 Summative HS Mathematics SGP, Grade EOCT (N = 1,323)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Summative HS Mathematics)

- Advanced (16.6%)
- Proficient (31.8%)
- Basic (24.5%)
- Below Basic (21.9%)
- Far Below Basic (5.1%)

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/[163,253)	6.67	10.83	5.00	10.83	5.00	11.67	10.00	10.83	12.50	16.67	(9.1%)
2nd/[253,287)	6.25	6.94	6.25	5.56	11.81	11.11	8.33	13.19	15.28	15.28	(10.9%)
3rd/[287,308)	10.40	9.60	4.00	13.60	8.80	8.80	10.40	12.00	12.00	10.40	(9.4%)
4th/[308,326)	4.95	6.93	7.92	7.92	12.87	13.86	9.90	10.89	11.88	12.87	(7.6%)
5th/[326,347)	6.29	7.69	11.89	17.48	9.09	11.89	10.49	9.79	6.99	8.39	(10.8%)
6th/[347,364)	7.91	12.23	6.47	6.47	10.79	7.91	13.67	15.83	9.35	9.35	(10.5%)
7th/[364,387)	7.14	11.69	6.49	6.49	11.04	8.44	12.34	11.04	9.09	16.23	(11.6%)
8th/[387,409)	6.80	5.83	8.74	10.68	9.71	10.68	12.62	7.77	10.68	16.50	(7.8%)
9th/[409,459)	5.81	1.94	12.26	12.90	12.26	7.74	14.19	10.97	9.03	12.90	(11.7%)
10th/[459,600]	7.91	6.47	13.67	5.76	8.63	7.91	15.83	22.30	7.19	4.32	(10.5%)

*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