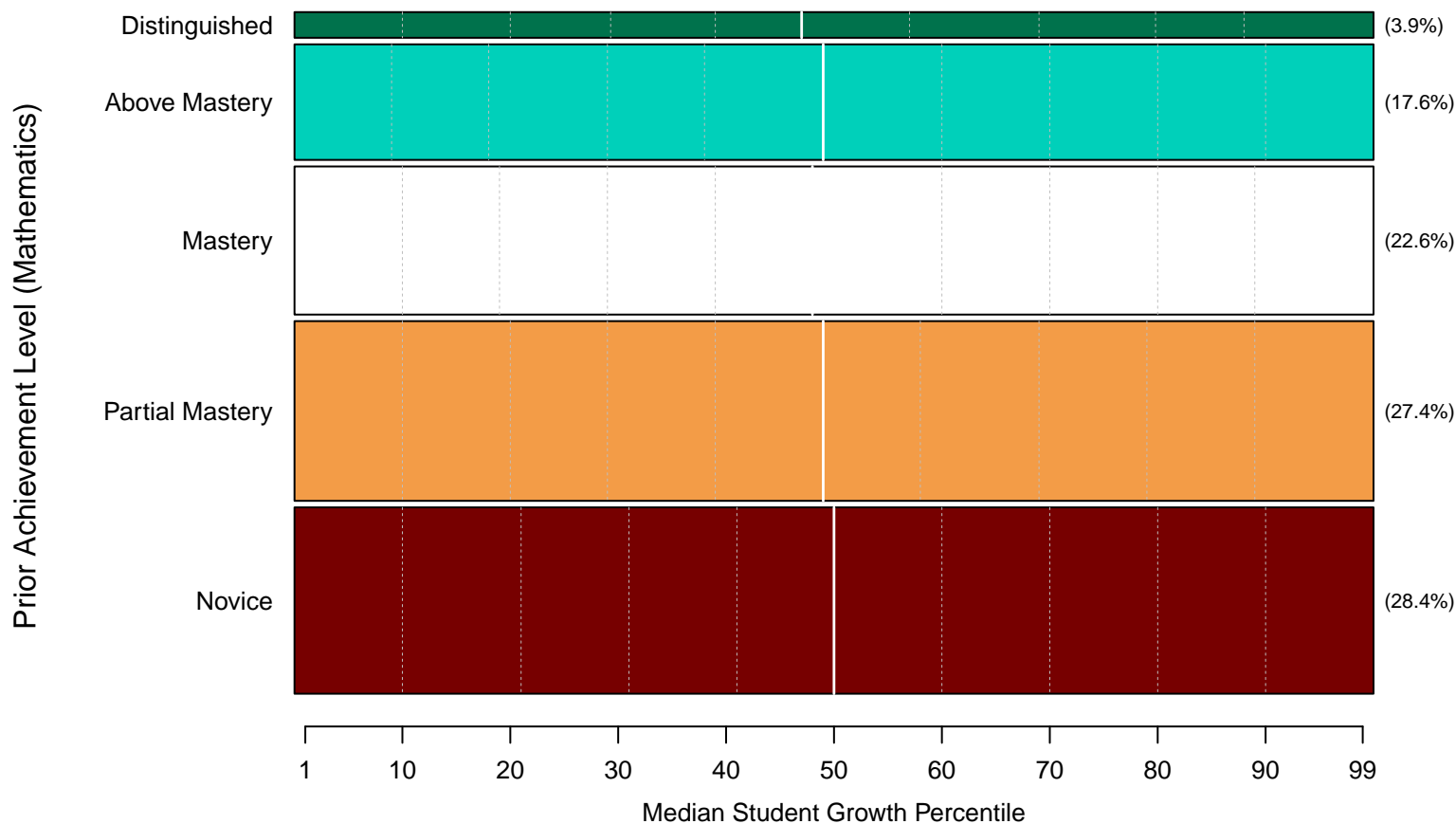# Student Growth Percentile Goodness–of–Fit Descriptives

2010–2011 Mathematics SGP, Grade 7 (N = 19,177)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Distinguished (3.9%)
- Above Mastery (17.6%)
- Mastery (22.6%)
- Partial Mastery (27.4%)
- Novice (28.4%)

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/[477,560)	9.12	10.25	9.61	10.25	11.72	8.35	10.32	9.47	9.61	11.30	(7.4%)
2nd/[560,587)	9.24	9.95	9.29	11.10	9.62	11.38	10.24	9.24	9.52	10.43	(11%)
3rd/[587,600)	8.25	10.48	8.72	10.48	9.55	11.78	9.29	10.12	10.53	10.79	(10%)
4th/[600,612)	9.55	10.02	10.83	10.54	10.12	9.69	9.98	9.41	9.13	10.73	(11%)
5th/[612,618)	10.26	11.54	10.90	9.98	9.34	11.08	9.62	8.70	9.80	8.79	(5.7%)
6th/[618,628)	9.31	9.31	11.90	8.92	10.68	10.82	9.02	10.39	10.24	9.41	(10.7%)
7th/[628,638)	8.72	11.12	10.41	10.77	10.92	9.23	8.88	9.34	11.12	9.49	(10.2%)
8th/[638,652)	9.73	10.57	10.45	10.07	9.52	8.51	10.74	10.78	9.81	9.81	(12.4%)
9th/[652,669)	11.72	10.52	10.24	10.70	8.99	8.63	9.50	8.95	9.78	10.98	(11.3%)
10th/[669,840]	8.80	10.13	9.92	10.38	10.43	9.31	10.84	10.18	9.92	10.08	(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