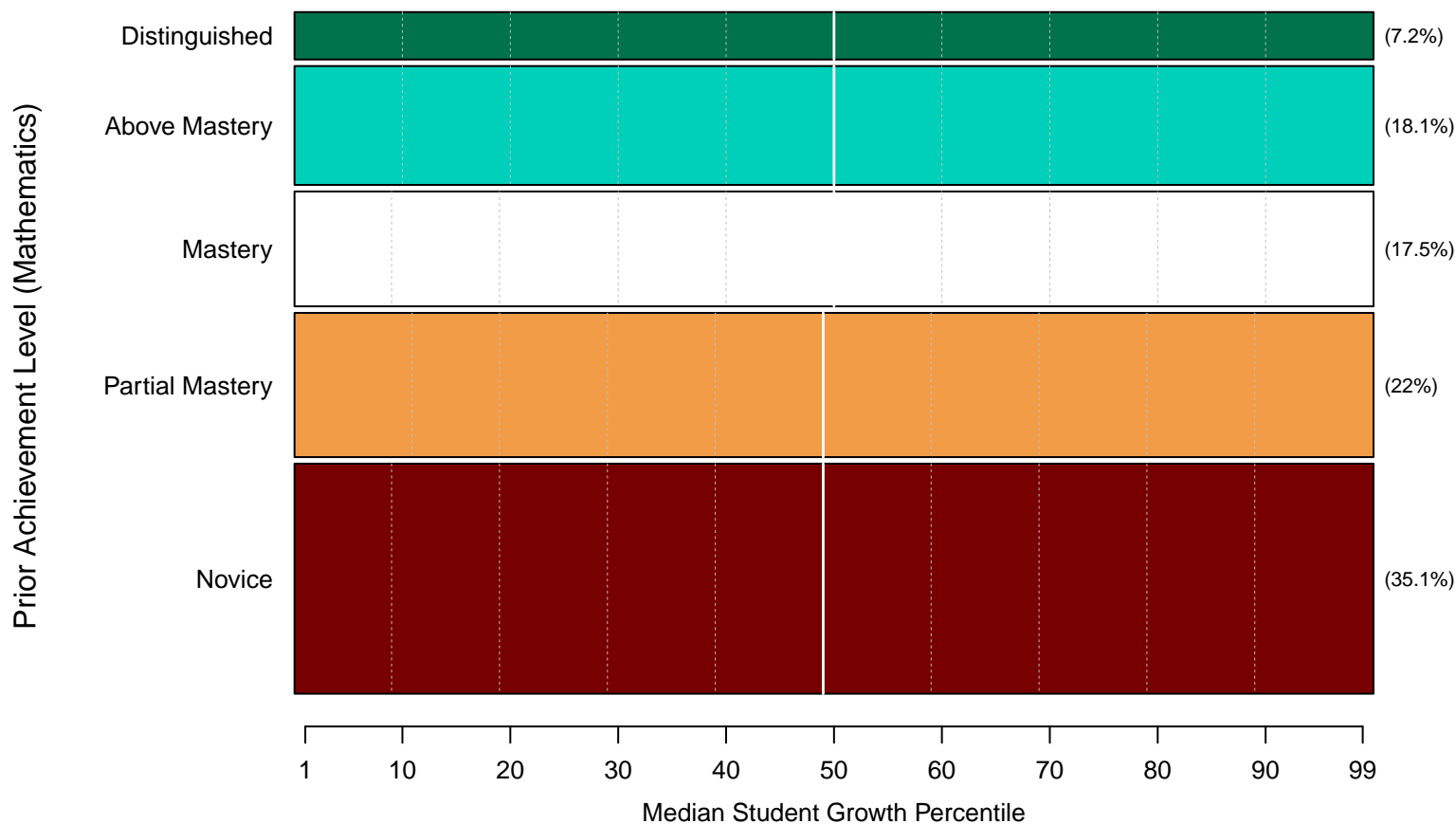# Student Growth Percentile Goodness–of–Fit Descriptives
2012–2013 Mathematics SGP, Grade 9 (N = 18,496)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Distinguished	(7.2%)
Above Mastery	(18.1%)
Mastery	(17.5%)
Partial Mastery	(22%)
Novice	(35.1%)

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/[502,552)	10.78	10.43	9.58	9.65	9.80	10.08	10.08	9.87	10.01	9.73	(7.7%)
2nd/[552,590)	10.03	9.77	10.56	9.77	9.83	10.23	9.97	9.90	10.36	9.57	(8.2%)
3rd/[590,611)	9.24	11.24	9.13	10.57	10.46	10.07	10.24	10.29	8.63	10.13	(9.7%)
4th/[611,632)	10.79	9.67	10.68	9.89	10.00	9.82	9.29	9.63	9.78	10.46	(14.4%)
5th/[632,643)	9.67	10.78	10.84	10.04	9.18	9.61	10.35	10.23	10.17	9.12	(8.8%)
6th/[643,653)	9.55	10.59	10.07	9.68	10.85	10.01	9.94	9.17	9.75	10.39	(8.4%)
7th/[653,666)	10.27	9.45	9.59	9.88	9.54	10.27	10.08	10.56	10.13	10.22	(11.2%)
8th/[666,677)	9.91	10.26	8.84	10.91	10.44	9.79	9.26	10.02	9.55	11.03	(9.2%)
9th/[677,695)	10.04	9.57	10.22	9.48	9.67	10.13	10.22	9.71	10.50	10.45	(11.7%)
10th/[695,880]	8.95	11.13	9.94	9.89	10.29	9.74	9.99	9.84	9.99	10.24	(10.9%)

*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