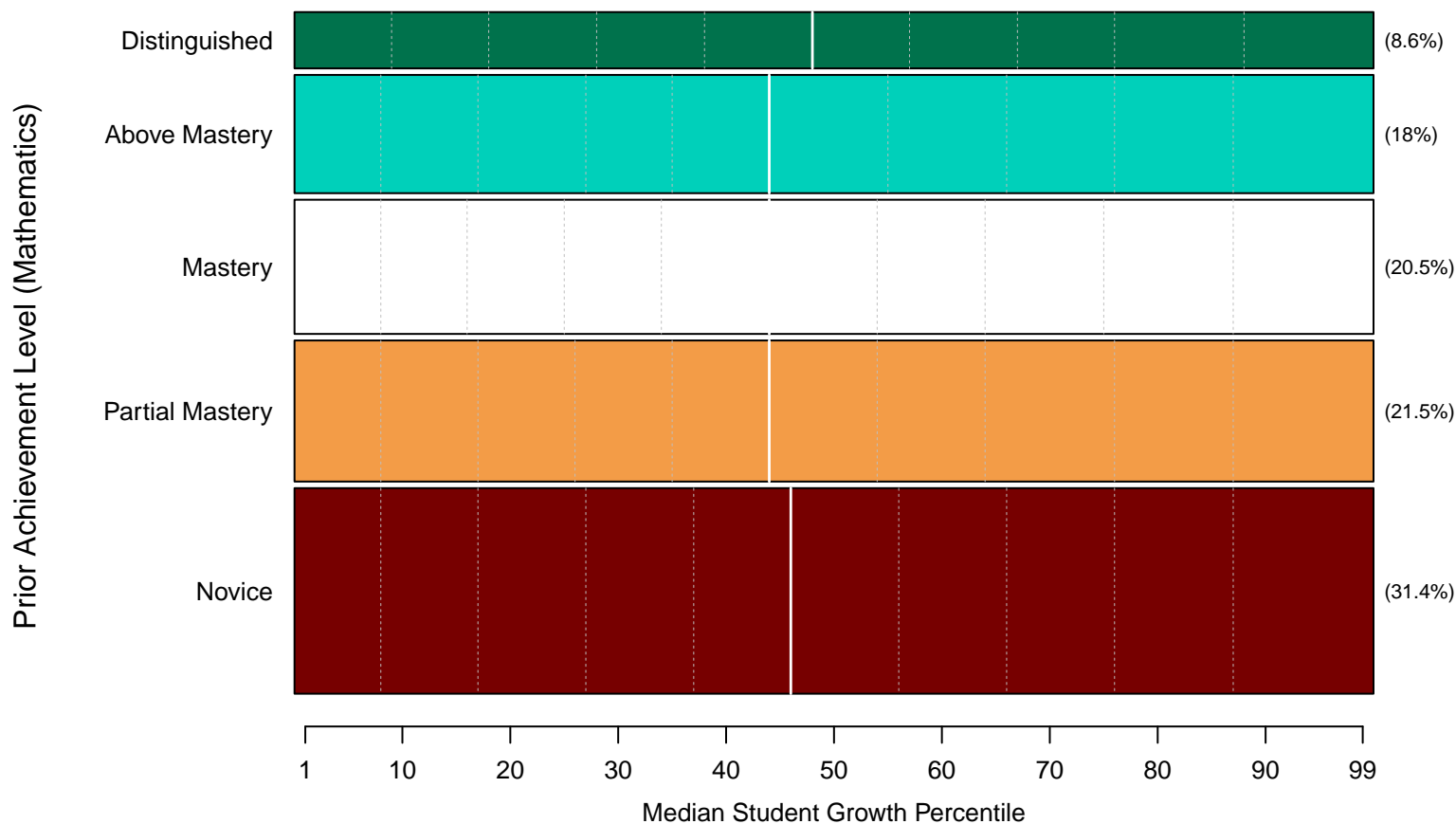# Student Growth Percentile Goodness–of–Fit Descriptives
2012–2013 Mathematics SGP, Grade 11 (N = 14,633)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Distinguished	(8.6%)
Above Mastery	(18%)
Mastery	(20.5%)
Partial Mastery	(21.5%)
Novice	(31.4%)

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/[530,595)	12.85	9.71	8.85	10.99	11.35	9.85	9.06	9.78	8.57	8.99	(9.6%)
2nd/[595,629)	12.82	10.24	10.72	10.65	10.72	8.89	9.84	9.43	9.50	7.19	(10.1%)
3rd/[629,639)	10.55	12.78	9.50	9.96	9.96	9.61	11.25	9.85	8.56	7.97	(5.8%)
4th/[639,654)	12.84	9.92	10.74	11.50	10.74	10.22	9.11	9.17	8.41	7.36	(11.7%)
5th/[654,666)	11.02	12.26	11.02	10.40	9.72	10.34	9.29	8.05	9.35	8.54	(11%)
6th/[666,675)	9.87	10.95	10.73	11.31	11.17	10.37	9.73	8.43	8.57	8.86	(9.5%)
7th/[675,687)	12.00	11.43	12.16	10.87	9.75	9.08	10.37	9.53	7.12	7.68	(12.2%)
8th/[687,697)	11.86	13.40	10.25	10.18	9.54	11.02	9.19	8.77	8.00	7.79	(9.7%)
9th/[697,710)	11.46	10.57	11.33	11.46	10.77	8.70	10.08	8.63	9.12	7.87	(9.9%)
10th/[710,836]	10.25	11.10	10.38	10.18	9.73	11.03	10.77	9.79	8.75	8.03	(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