Student Growth Percentile Goodness–of–Fit Descriptives
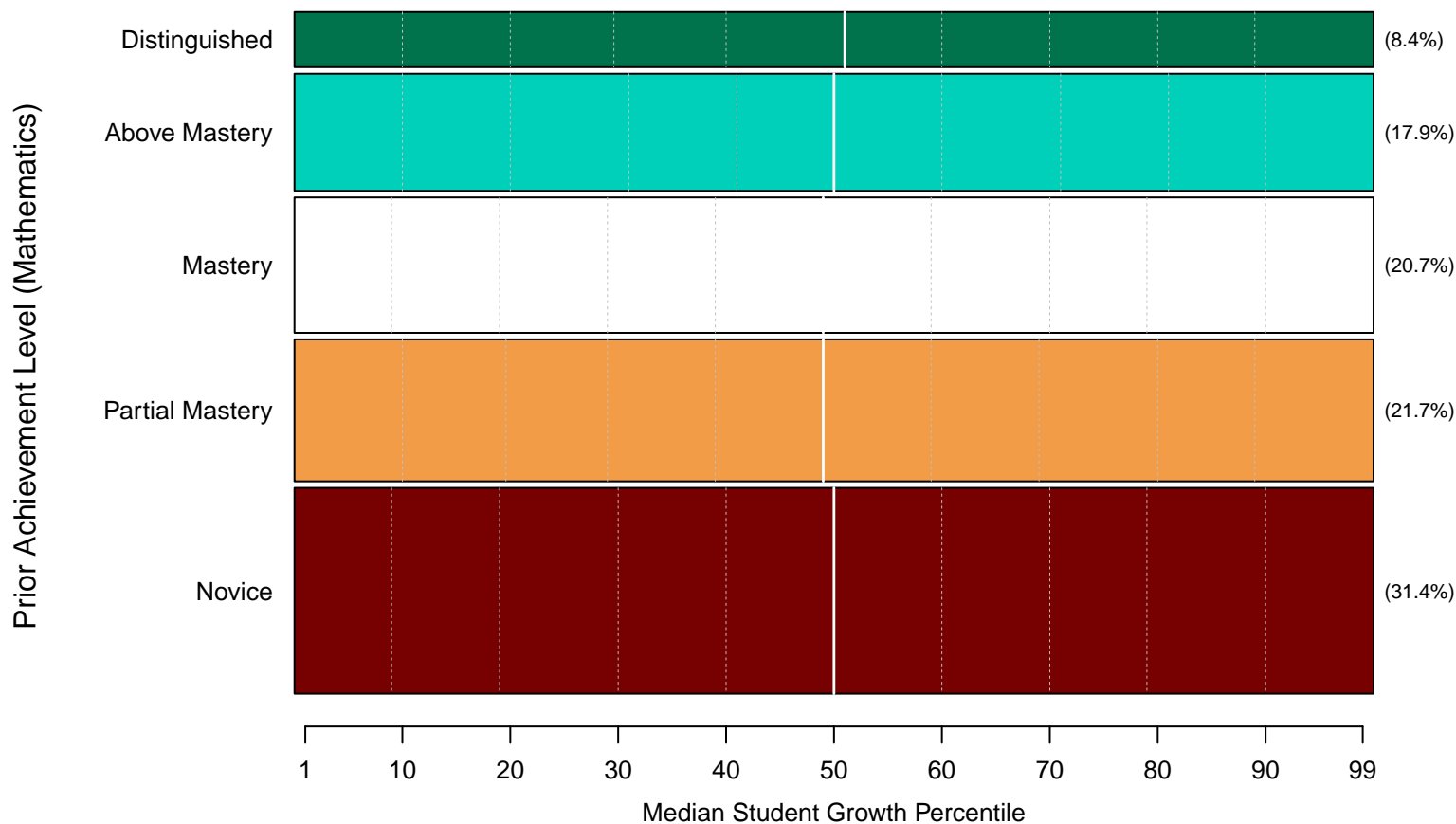## 2012–2013 Mathematics SGP, Grade 11 (N = 15,988)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Distinguished	(8.4%)
Above Mastery	(17.9%)
Mastery	(20.7%)
Partial Mastery	(21.7%)
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)	11.61	9.13	9.33	9.78	10.24	10.37	9.59	10.24	9.72	9.98	(9.6%)
2nd/[595,629)	11.06	8.84	11.12	9.58	10.26	9.39	10.26	9.64	10.26	9.58	(10.1%)
3rd/[629,639)	9.22	11.47	8.36	10.29	9.11	10.93	9.65	11.58	8.36	11.04	(5.8%)
4th/[639,654)	11.39	8.83	9.79	10.27	10.96	9.21	10.16	10.16	9.31	9.90	(11.8%)
5th/[654,666)	9.54	10.85	10.34	9.82	8.97	10.22	9.88	9.54	11.19	9.65	(11%)
6th/[666,675)	8.72	9.44	9.70	9.70	11.08	10.16	10.95	9.64	9.77	10.82	(9.5%)
7th/[675,683)	11.66	9.09	10.34	10.26	9.68	9.16	9.82	11.00	9.31	9.68	(8.5%)
8th/[683,697)	9.54	11.76	9.03	9.82	9.77	9.45	9.31	10.42	10.00	10.88	(13.5%)
9th/[697,710)	10.01	8.36	10.32	10.70	9.94	10.13	9.94	9.56	10.13	10.89	(9.9%)
10th/[710,836]	9.16	10.20	10.32	9.53	9.84	10.38	10.26	9.90	10.57	9.84	(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)