Student Growth Percentile Goodness–of–Fit Descriptives
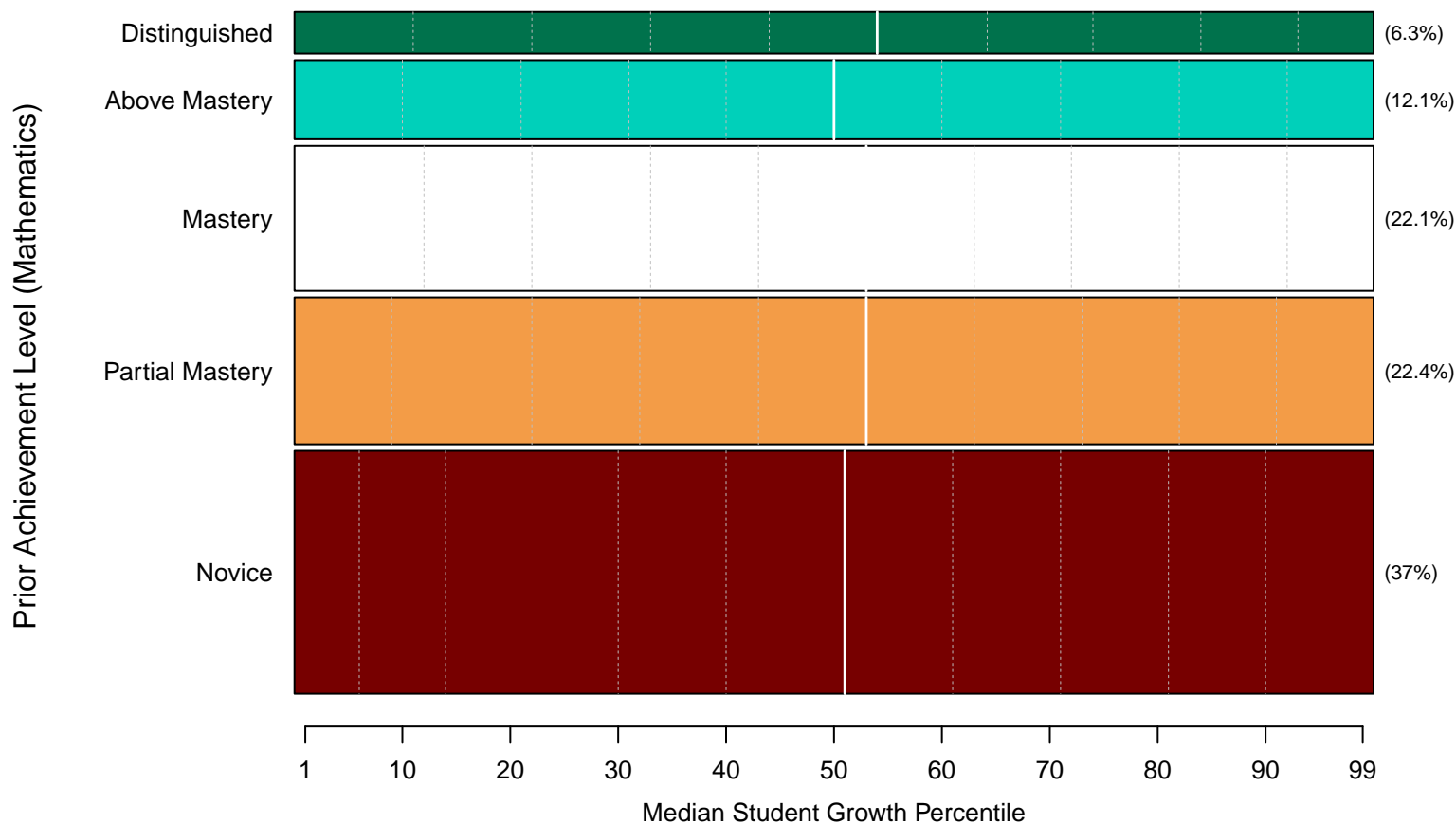## 2010–2011 Mathematics SGP, Grade 10 (N = 18,034)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Distinguished (6.3%)
- Above Mastery (12.1%)
- Mastery (22.1%)
- Partial Mastery (22.4%)
- Novice (37%)

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/[513,527]	21.68	5.29	3.90	11.04	6.94	10.71	9.32	10.18	10.58	10.38	(8.4%)
2nd/[527,620)	12.59	10.29	6.97	9.61	10.12	8.54	10.34	9.89	11.58	10.06	(9.9%)
3rd/[620,632)	7.95	11.84	8.81	10.61	9.19	9.38	8.33	11.74	10.32	11.84	(5.9%)
4th/[632,648)	13.80	5.32	10.07	9.39	9.47	9.47	10.72	10.24	10.72	10.80	(12.9%)
5th/[648,659)	11.86	6.00	8.90	10.07	11.20	10.59	9.98	9.00	10.78	11.62	(11.8%)
6th/[659,668)	8.48	9.26	9.16	9.05	10.10	8.63	10.62	10.83	11.62	12.24	(10.6%)
7th/[668,675)	7.02	10.22	8.81	11.21	9.67	8.93	11.21	9.48	10.59	12.87	(9%)
8th/[675,685)	6.41	10.38	9.75	10.01	10.28	11.02	9.85	10.06	10.38	11.86	(10.5%)
9th/[685,700)	9.32	10.14	9.32	10.09	10.76	9.58	8.70	9.53	10.81	11.74	(10.8%)
10th/[700,900]	8.95	8.36	9.65	9.55	9.28	9.92	10.46	10.03	10.09	13.70	(10.3%)

*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