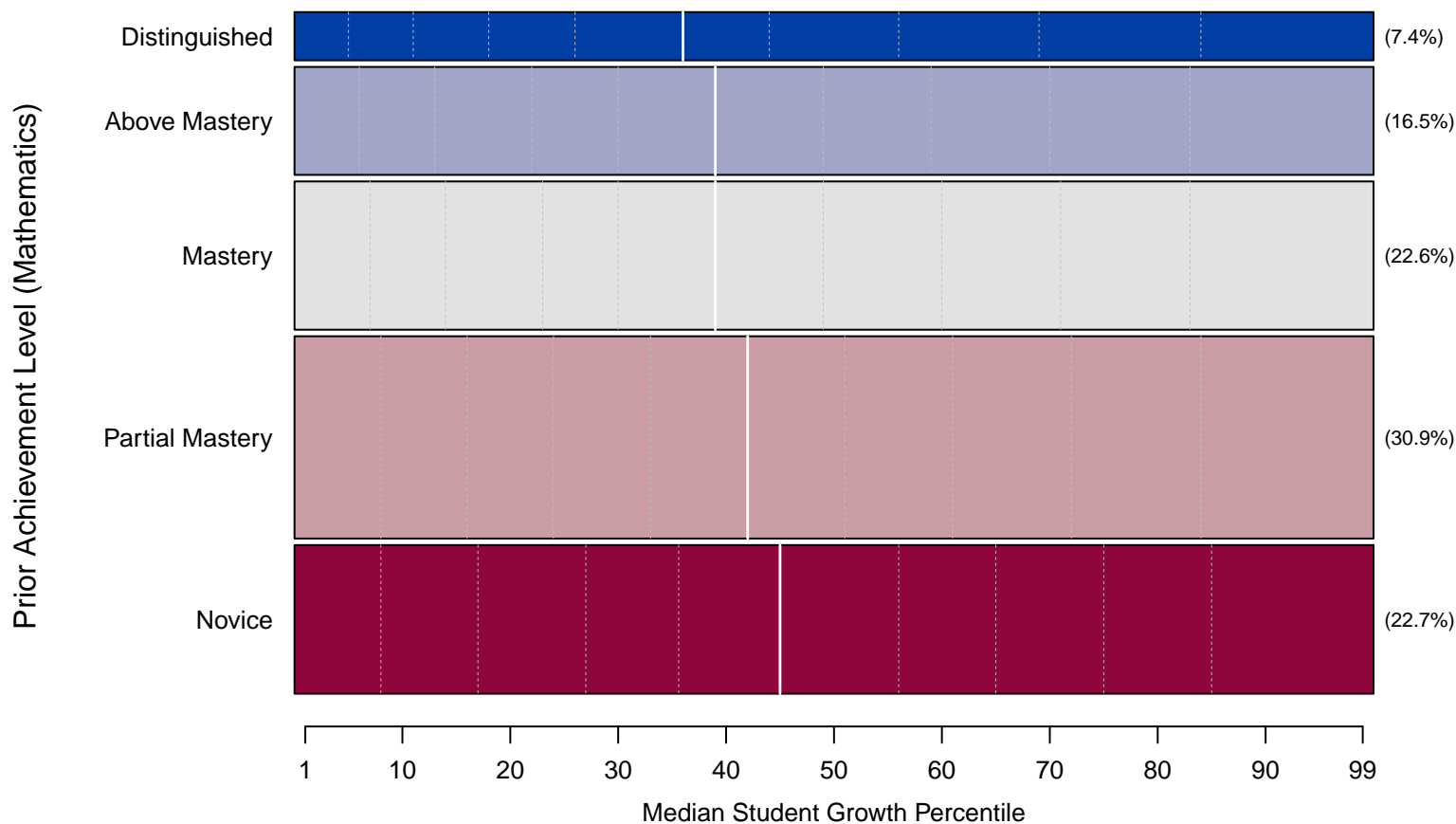# Student Growth Percentile Goodness–of–Fit Descriptives

2013–2014 Mathematics SGP, Grade 6 (N = 17,243)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Distinguished	(7.4%)
Above Mastery	(16.5%)
Mastery	(22.6%)
Partial Mastery	(30.9%)
Novice	(22.7%)

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/[430,548)	12.02	10.90	9.96	10.08	10.14	9.39	9.20	10.27	10.96	7.08	(9.3%)
2nd/[548,571)	10.64	12.37	11.41	10.88	10.17	10.46	10.88	10.23	7.25	5.71	(9.8%)
3rd/[571,582)	11.07	11.15	10.59	12.98	9.95	10.35	8.36	11.39	7.96	6.21	(7.3%)
4th/[582,597)	10.90	12.90	10.41	12.22	10.90	10.26	9.38	8.41	7.97	6.65	(11.9%)
5th/[597,610)	11.93	12.70	11.93	11.26	11.37	9.98	9.93	8.60	7.17	5.12	(11.3%)
6th/[610,618)	13.49	13.49	11.89	9.86	10.59	9.57	8.41	8.99	7.98	5.73	(8%)
7th/[618,630)	12.79	12.54	12.28	11.98	11.17	8.78	9.64	8.48	6.55	5.79	(11.4%)
8th/[630,643)	14.14	12.74	12.63	11.06	9.28	10.42	8.80	7.34	7.39	6.21	(10.7%)
9th/[643,656)	14.61	14.33	12.29	10.72	9.15	10.92	8.19	7.78	6.62	5.39	(8.5%)
10th/[656,830)	16.50	12.34	11.46	11.70	10.14	9.55	8.47	6.95	7.49	5.39	(11.8%)

*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