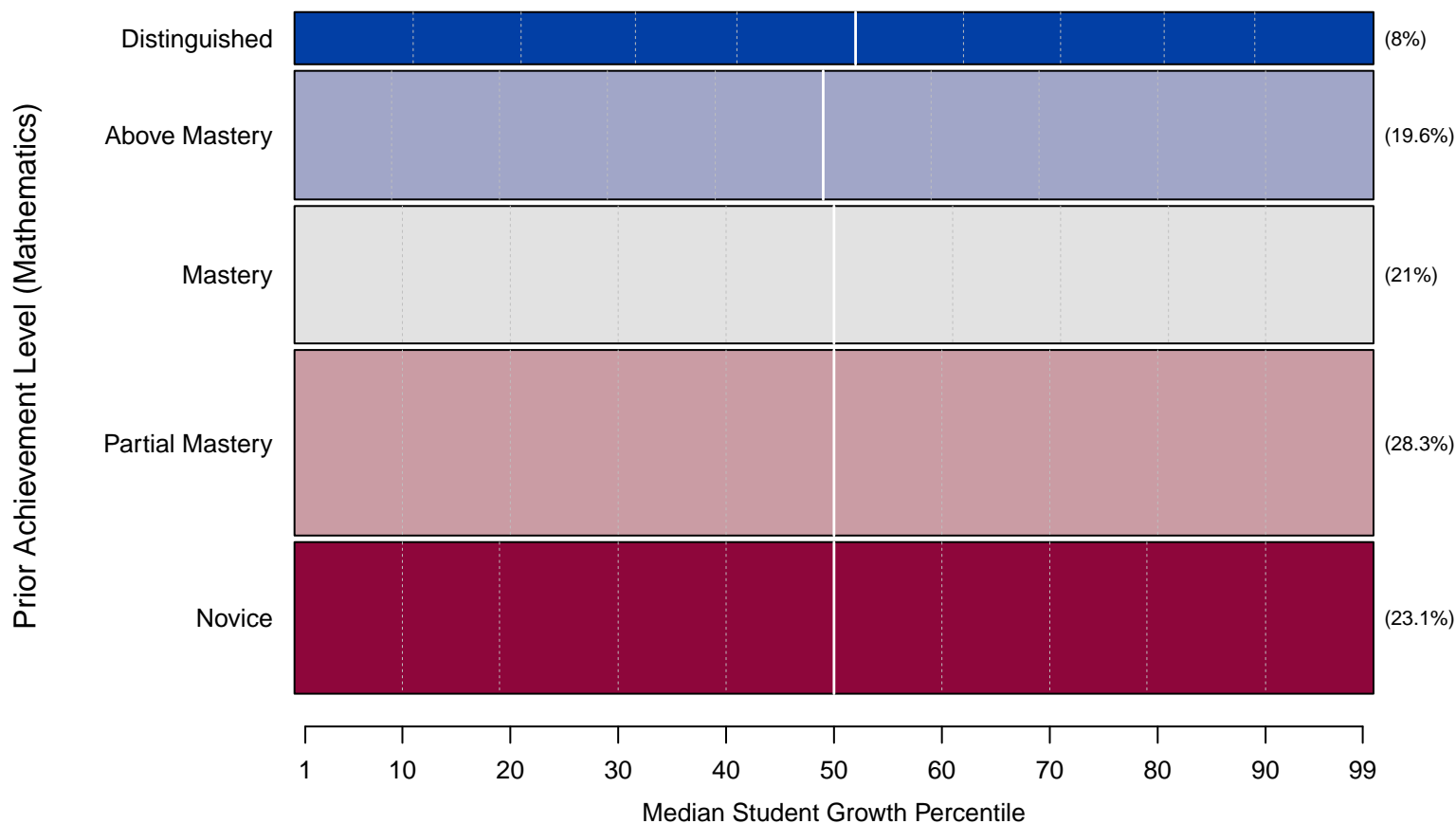# Student Growth Percentile Goodness–of–Fit Descriptives
2013–2014 Mathematics SGP, Grade 7 (N = 19,004)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Distinguished	(8%)
Above Mastery	(19.6%)
Mastery	(21%)
Partial Mastery	(28.3%)
Novice	(23.1%)

Median Student Growth Percentile

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/[477,564)	9.95	9.81	9.55	9.88	10.21	9.55	11.01	10.54	9.62	9.88	(7.9%)
2nd/[564,590)	10.13	10.09	10.37	9.94	9.70	10.13	8.93	10.42	9.85	10.42	(11%)
3rd/[590,603)	9.17	10.69	10.08	10.87	9.59	9.47	10.63	9.17	9.96	10.38	(8.7%)
4th/[603,615)	9.55	9.55	9.88	10.15	10.59	9.44	9.44	10.32	9.88	11.19	(9.6%)
5th/[615,625)	9.91	10.89	10.45	9.25	9.91	11.17	9.52	9.36	9.85	9.69	(9.6%)
6th/[625,639)	8.68	10.08	9.96	9.96	10.04	9.56	10.16	10.24	11.64	9.72	(13.2%)
7th/[639,648)	10.30	9.57	10.00	9.94	10.37	9.27	9.57	10.85	8.72	11.40	(8.6%)
8th/[648,661)	9.93	10.42	10.02	10.37	10.27	10.07	10.71	8.61	8.41	11.20	(10.8%)
9th/[661,678)	10.63	9.84	10.48	9.59	9.74	10.63	9.19	9.79	9.79	10.33	(10.6%)
10th/[678,840]	8.64	9.85	9.27	9.95	9.59	9.48	10.58	10.84	11.52	10.27	(10%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution