Student Growth Percentile Goodness–of–Fit Descriptives
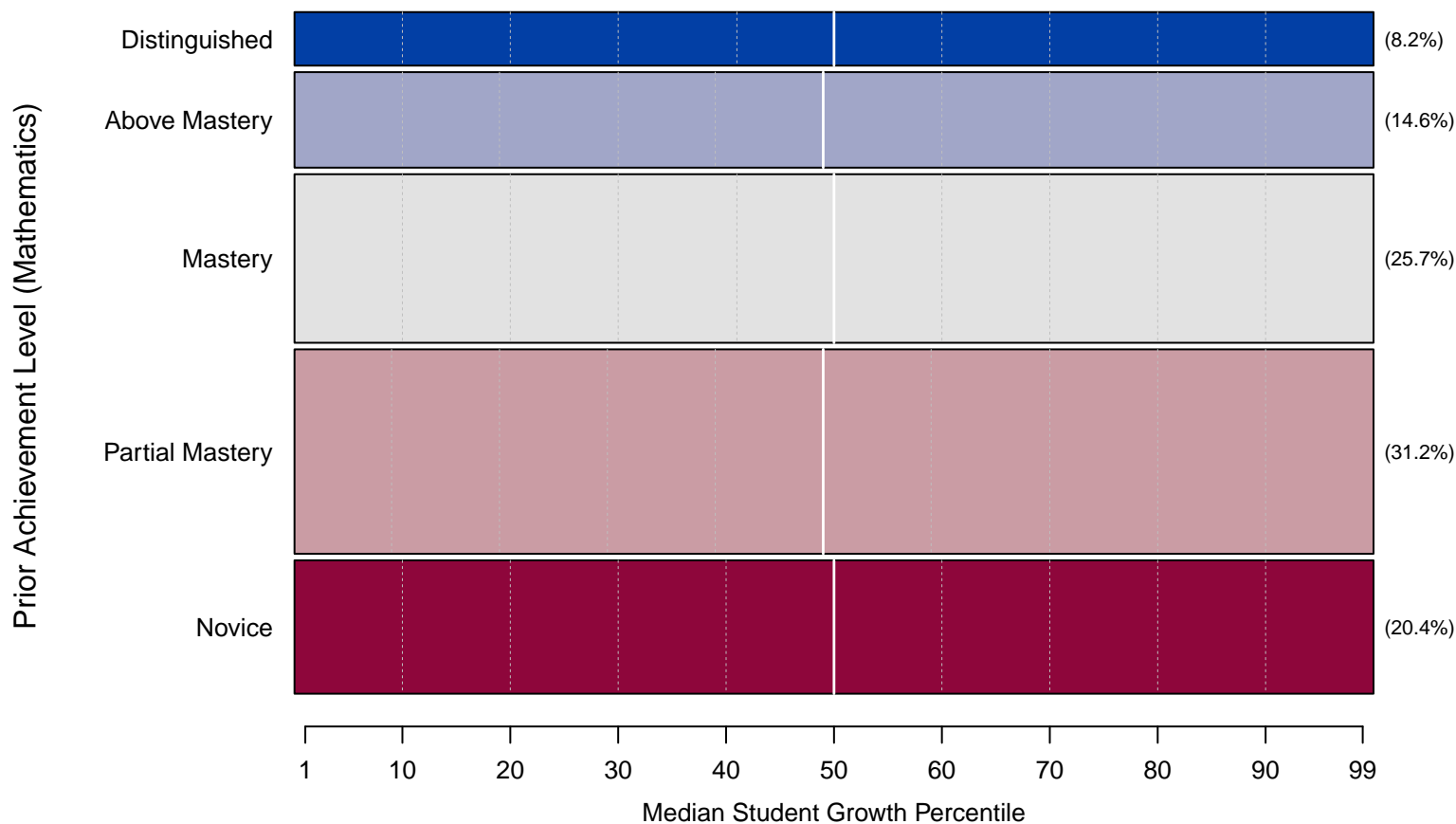## 2013–2014 Mathematics SGP, Grade 5 (N = 18,745)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Distinguished	(8.2%)
Above Mastery	(14.6%)
Mastery	(25.7%)
Partial Mastery	(31.2%)
Novice	(20.4%)

Median Student Growth Percentile

x-axis: 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/[403,532)	11.14	8.57	10.34	10.34	9.94	10.05	10.05	9.77	10.05	9.77	(9.3%)
2nd/[532,551)	9.04	10.21	10.14	9.11	9.66	9.45	9.66	11.39	9.73	11.59	(7.7%)
3rd/[551,567)	8.42	11.48	10.10	9.39	10.26	10.26	10.77	9.39	10.15	9.80	(10.5%)
4th/[567,581)	10.64	9.65	9.65	9.42	9.98	10.12	10.26	9.98	9.98	10.31	(11.3%)
5th/[581,591)	10.19	9.67	10.38	11.68	9.41	8.50	9.02	9.93	10.06	11.16	(8.2%)
6th/[591,600)	9.95	9.35	9.71	10.25	9.35	11.39	9.53	10.25	9.05	11.15	(8.9%)
7th/[600,613)	9.19	10.68	9.47	8.99	10.32	9.79	10.44	10.20	10.40	10.52	(13.2%)
8th/[613,622)	9.94	10.01	11.07	9.48	10.47	10.54	9.54	9.54	10.01	9.41	(8.1%)
9th/[622,641)	9.00	10.91	9.57	10.74	9.96	8.79	10.35	9.78	10.26	10.65	(12.3%)
10th/[641,820]	10.25	9.27	10.19	9.94	9.99	10.71	9.43	10.14	9.53	10.55	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution