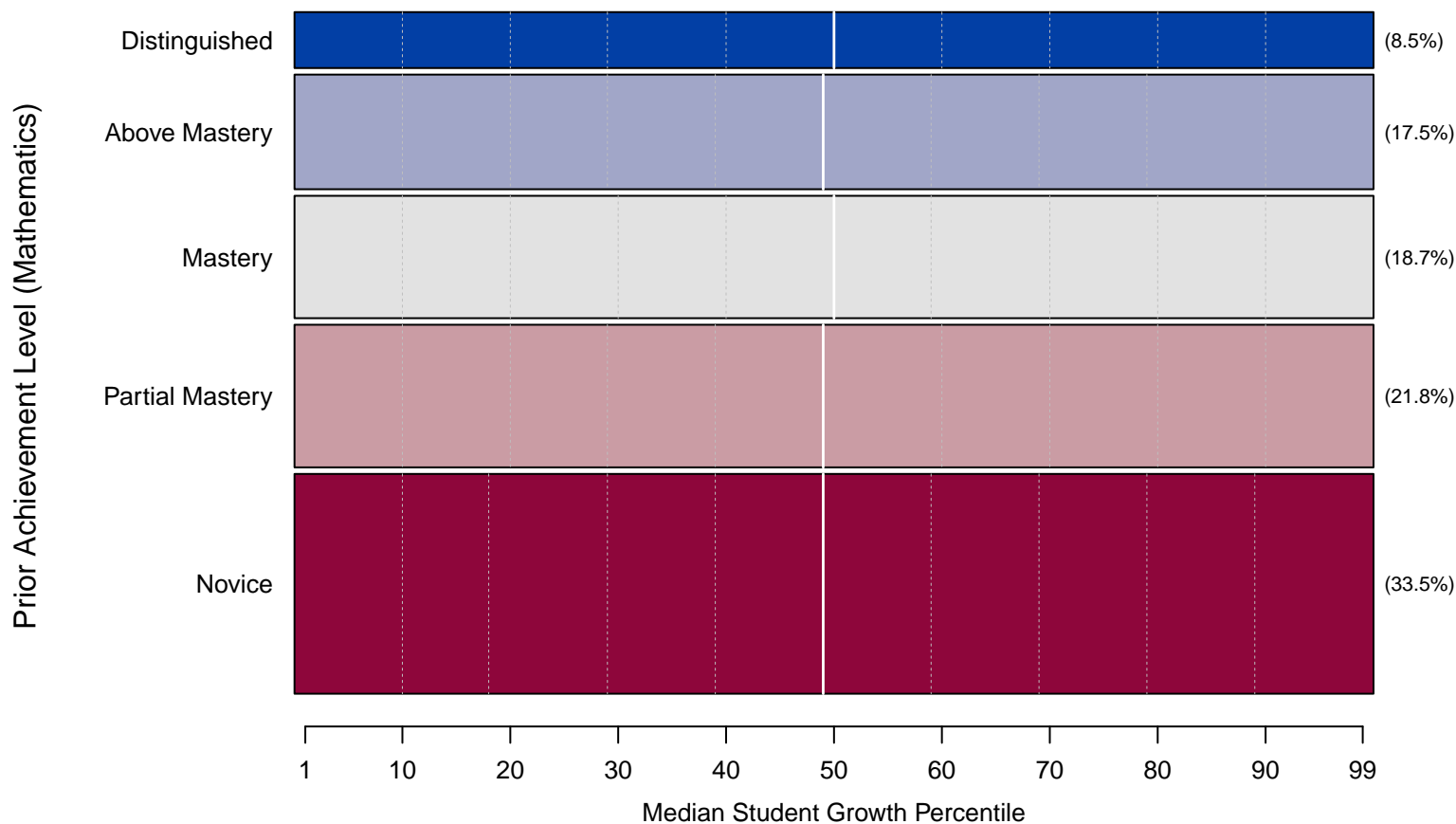# Student Growth Percentile Goodness–of–Fit Descriptives
2013–2014 Mathematics SGP, Grade 9 (N = 16,766)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Distinguished	(8.5%)
Above Mastery	(17.5%)
Mastery	(18.7%)
Partial Mastery	(21.8%)
Novice	(33.5%)

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/[502,543)	9.76	11.98	9.31	8.85	10.60	10.53	9.38	9.99	9.99	9.61	(7.8%)
2nd/[543,597)	8.91	12.04	9.11	10.22	10.48	9.62	10.22	10.12	9.21	10.07	(11.8%)
3rd/[597,615)	8.68	11.57	9.34	10.19	9.60	10.06	9.60	9.53	11.11	10.32	(9.1%)
4th/[615,629)	11.60	9.13	9.52	10.43	9.97	10.50	10.23	9.71	9.32	9.58	(9.1%)
5th/[629,640)	9.20	9.60	12.29	10.01	10.41	8.93	9.74	9.47	9.81	10.54	(8.9%)
6th/[640,656)	9.02	10.99	9.40	9.63	10.52	9.54	10.80	9.68	9.91	10.52	(12.8%)
7th/[656,665)	10.50	10.50	9.96	10.12	9.73	10.12	9.58	10.42	9.73	9.34	(7.7%)
8th/[665,677)	9.74	9.32	9.98	10.45	10.10	9.92	8.96	9.80	10.87	10.87	(10%)
9th/[677,696)	9.54	11.25	10.40	10.21	9.44	9.97	9.82	9.78	9.68	9.92	(12.5%)
10th/[696,880)	9.54	9.65	10.17	9.13	10.29	10.29	10.69	10.12	9.71	10.40	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution