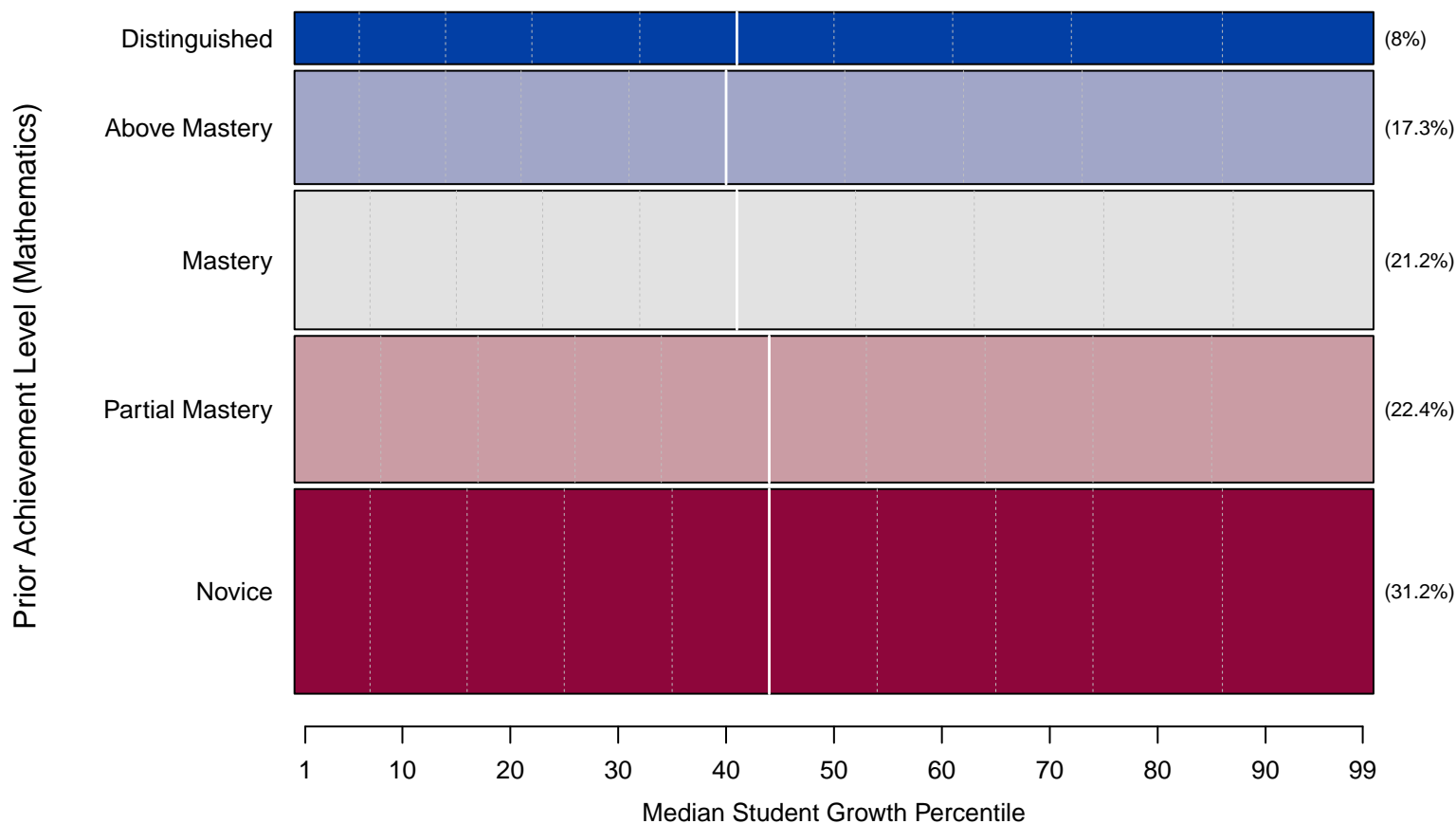# Student Growth Percentile Goodness–of–Fit Descriptives
2013–2014 Mathematics SGP, Grade 11 (N = 15,986)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics) vs. Median Student Growth Percentile

- Distinguished (8%)
- Above Mastery (17.3%)
- Mastery (21.2%)
- Partial Mastery (22.4%)
- Novice (31.2%)

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/[513,580)	12.65	9.49	11.28	10.94	9.08	9.83	10.18	9.97	8.39	8.18	(9.1%)
2nd/[580,624)	13.13	10.65	10.59	10.46	11.15	9.78	9.97	8.36	8.48	7.43	(10.1%)
3rd/[624,636)	12.08	12.71	9.27	11.46	10.62	9.38	10.73	8.96	8.65	6.15	(6%)
4th/[636,652)	12.39	10.73	10.47	11.51	10.63	9.75	9.75	9.64	7.36	7.78	(12.1%)
5th/[652,664)	10.60	12.41	10.76	10.21	10.87	9.72	10.76	9.34	8.13	7.19	(11.4%)
6th/[664,674)	13.78	11.24	11.42	11.48	10.49	8.88	8.81	9.06	7.51	7.32	(10.1%)
7th/[674,683)	13.01	13.52	12.22	10.86	9.85	9.56	8.05	7.91	8.27	6.76	(8.7%)
8th/[683,694)	13.71	11.70	11.17	9.81	9.99	9.63	9.22	7.74	8.51	8.51	(10.6%)
9th/[694,707)	15.28	12.73	11.86	9.38	9.25	8.82	9.07	7.76	8.57	7.27	(10.1%)
10th/[707,872]	13.87	12.30	10.88	11.14	10.83	8.88	10.25	7.51	7.88	6.46	(11.9%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution vs. Empirical SGP Distribution