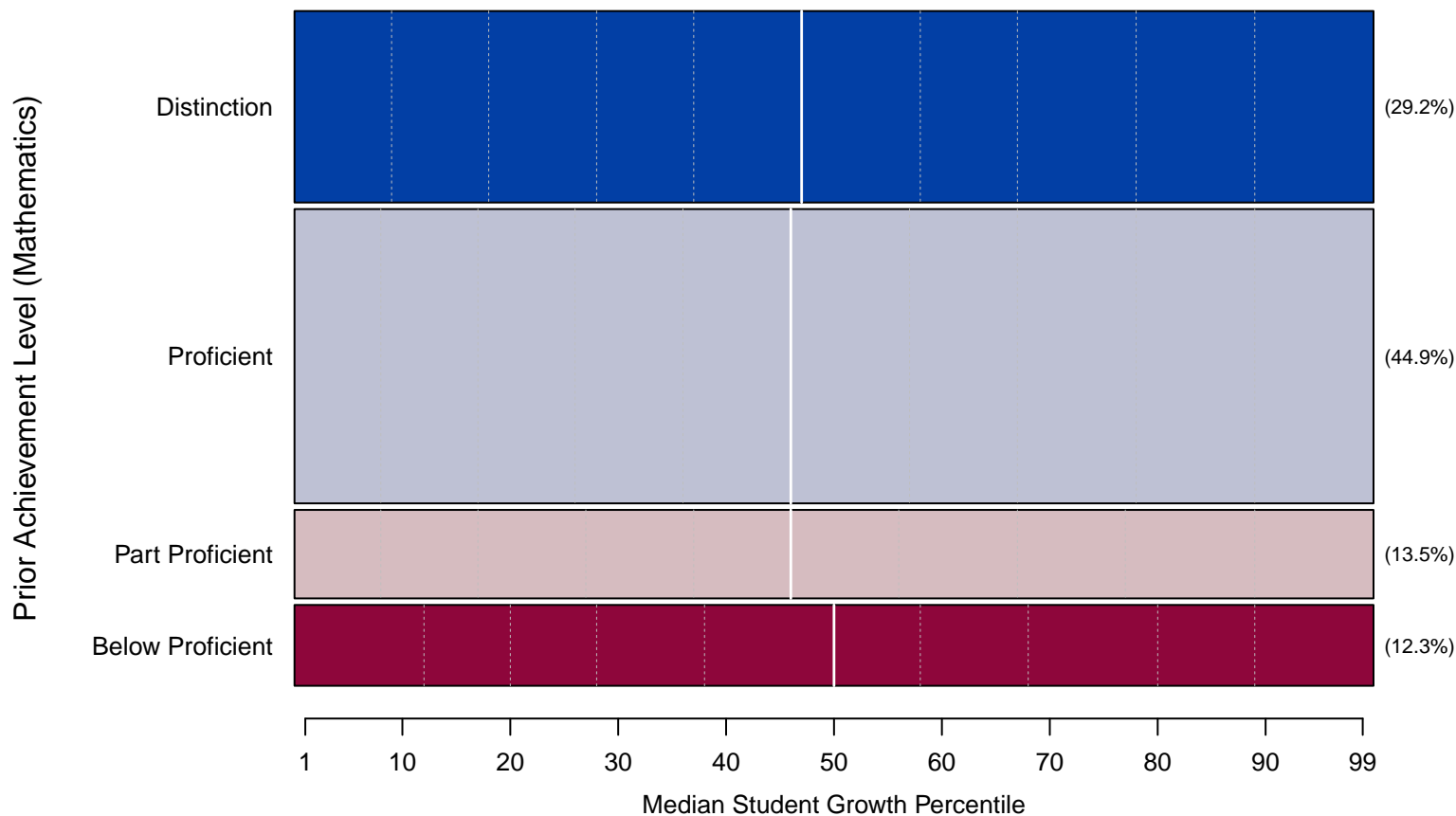# Student Growth Percentile Goodness–of–Fit Descriptives
2013–2014 Mathematics SGP, Grade 7 (N = 13,456)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Distinction (29.2%)
- Proficient (44.9%)
- Part Proficient (13.5%)
- Below Proficient (12.3%)

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/[600,631)	8.36	10.90	12.02	10.08	9.34	11.35	9.26	8.14	10.60	9.93	(10%)
2nd/[631,637)	10.40	10.48	10.08	9.27	9.84	11.69	10.16	10.24	9.27	8.55	(9.2%)
3rd/[637,641)	13.00	9.97	12.74	9.36	10.49	8.06	8.41	9.27	9.01	9.71	(8.6%)
4th/[641,644)	12.38	12.23	11.41	8.58	9.55	7.23	10.51	9.02	9.02	10.07	(10%)
5th/[644,647)	12.25	10.54	10.88	10.11	8.65	9.94	8.31	10.11	9.60	9.60	(8.7%)
6th/[647,650)	12.12	10.69	10.31	10.44	9.88	10.06	10.38	9.75	8.44	7.94	(11.9%)
7th/[650,652)	12.44	9.35	10.65	9.45	10.65	10.15	10.45	9.45	9.45	7.96	(7.5%)
8th/[652,656)	10.74	10.44	11.05	11.72	9.65	10.07	8.73	8.24	9.52	9.83	(12.2%)
9th/[656,661)	11.31	11.18	10.02	10.15	9.11	8.92	11.44	9.44	8.92	9.50	(11.5%)
10th/[661,680]	10.39	9.40	9.75	11.37	9.54	9.61	10.81	9.19	9.89	10.04	(10.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution