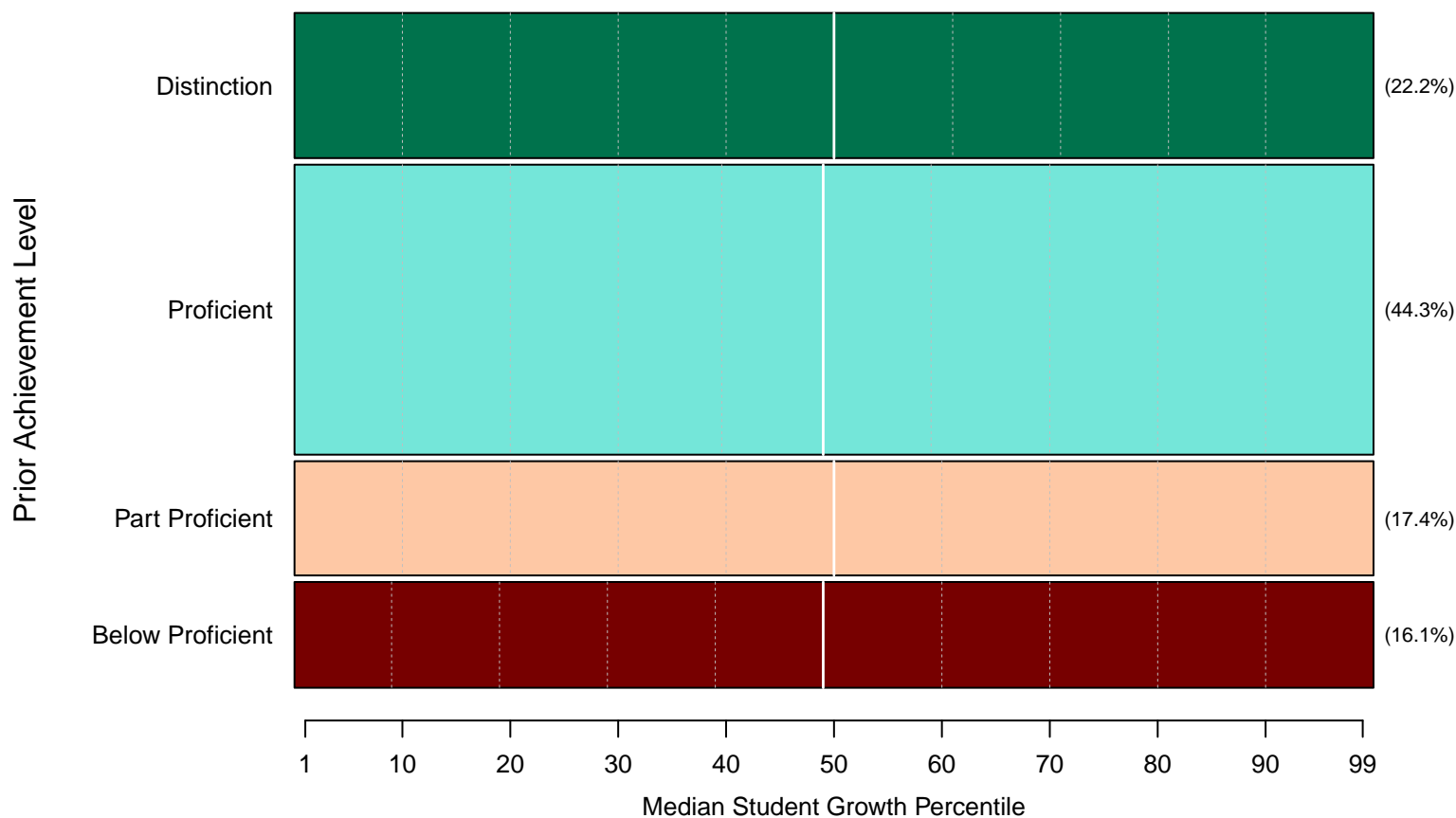# Student Growth Percentile Goodness–of–Fit Descriptives

2009–2010 Mathematics SGP, Grade 8 (N = 14,673)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Distinction (22.2%)
- Proficient (44.3%)
- Part Proficient (17.4%)
- Below Proficient (16.1%)

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/[700,730)	10.82	10.67	10.07	10.29	9.92	9.54	9.77	9.39	9.32	10.22	(9.1%)
2nd/[730,736)	9.26	9.57	10.01	10.63	9.44	9.44	10.76	10.07	10.44	10.38	(10.9%)
3rd/[736,739)	10.94	10.31	9.84	10.16	9.84	10.16	9.45	9.53	9.29	10.47	(8.7%)
4th/[739,742)	8.80	9.37	10.42	9.72	10.70	9.86	9.23	10.28	10.35	11.27	(9.7%)
5th/[742,745)	9.95	12.19	9.19	10.90	9.07	9.36	9.89	9.95	9.89	9.60	(11.6%)
6th/[745,747)	9.52	8.38	9.90	9.52	11.42	9.60	9.98	9.60	11.12	10.97	(8.9%)
7th/[747,750)	9.09	8.90	11.86	10.22	8.77	10.35	9.65	11.36	8.77	11.04	(10.8%)
8th/[750,753)	10.12	10.70	9.87	8.87	10.70	10.95	9.45	8.62	9.29	11.44	(8.2%)
9th/[753,757)	9.14	11.16	9.32	9.93	9.69	9.56	9.87	9.32	11.59	10.42	(11.1%)
10th/[757,780]	9.88	9.20	9.44	10.43	10.31	9.88	10.31	10.43	9.44	10.68	(11%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution