Student Growth Percentile Goodness–of–Fit Descriptives
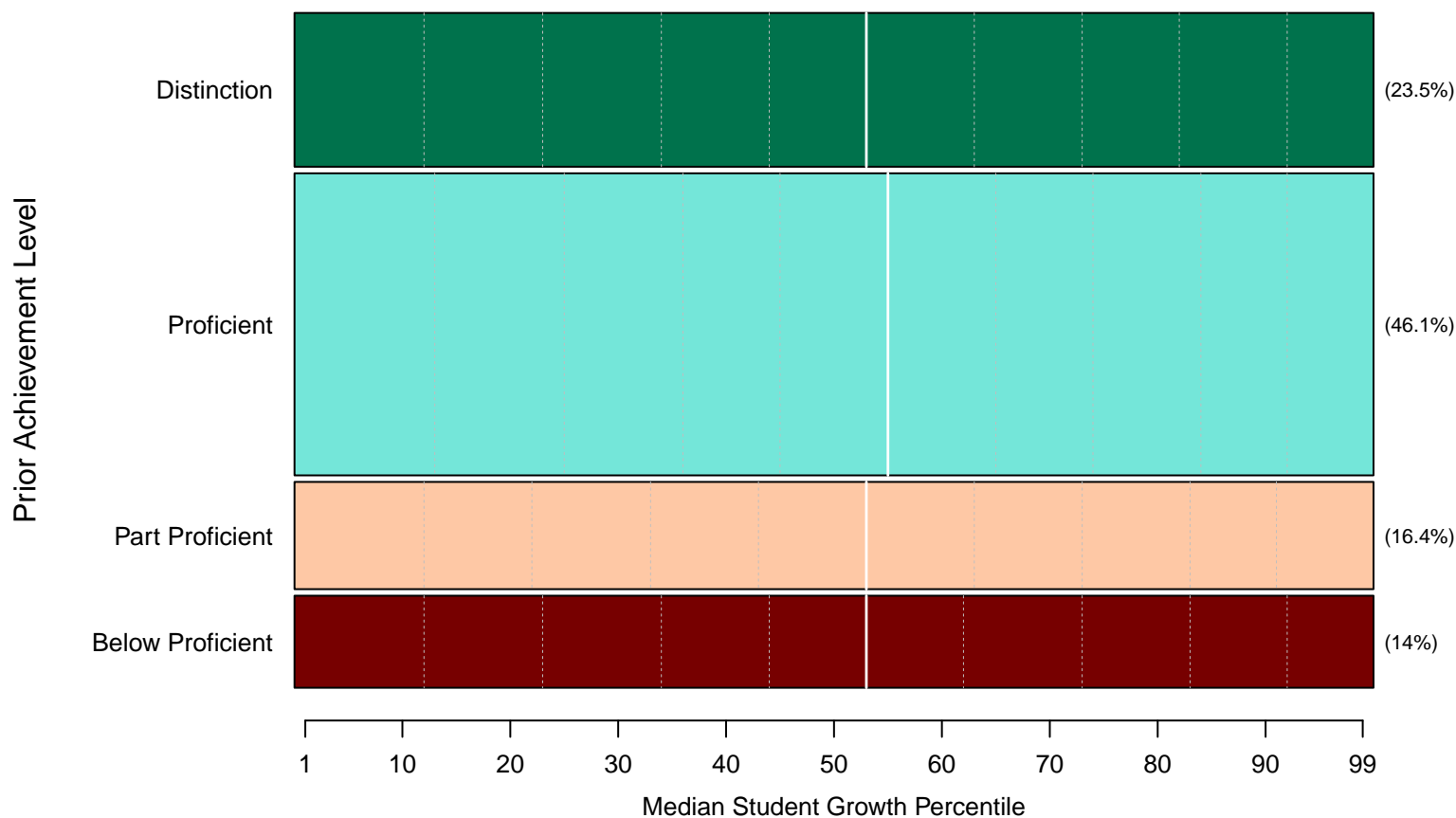## 2009–2010 Mathematics SGP, Grade 7 (N = 14,385)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Distinction	(23.5%)
Proficient	(46.1%)
Part Proficient	(16.4%)
Below Proficient	(14%)

Median Student Growth Percentile
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/[600,630)	7.67	9.31	9.90	9.90	9.46	10.95	9.01	11.17	9.83	12.81	(9.3%)
2nd/[630,636)	8.22	9.99	8.55	9.99	10.65	10.59	9.86	9.34	10.39	12.43	(10.6%)
3rd/[636,639)	6.79	8.63	10.24	10.01	9.09	10.01	10.93	10.13	11.97	12.20	(6%)
4th/[639,643)	7.90	6.64	8.87	9.78	10.28	9.37	11.75	10.28	11.96	13.17	(13.7%)
5th/[643,645)	7.36	9.27	9.48	7.76	9.27	9.48	10.58	11.19	11.90	13.71	(6.9%)
6th/[645,648)	7.46	8.38	8.79	10.58	10.69	9.19	11.62	10.06	10.87	12.37	(12%)
7th/[648,651)	7.17	8.82	8.52	11.73	10.09	9.19	9.72	10.91	11.51	12.33	(9.3%)
8th/[651,654)	7.41	7.90	9.99	8.70	9.27	11.76	11.44	10.48	9.99	13.05	(8.6%)
9th/[654,659)	8.25	8.19	9.11	10.03	9.63	11.58	10.32	10.72	11.06	11.12	(12.1%)
10th/[659,680]	7.11	9.99	8.58	9.80	9.44	10.29	10.29	10.48	10.23	13.79	(11.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution
0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution