Student Growth Percentile Goodness–of–Fit Descriptives
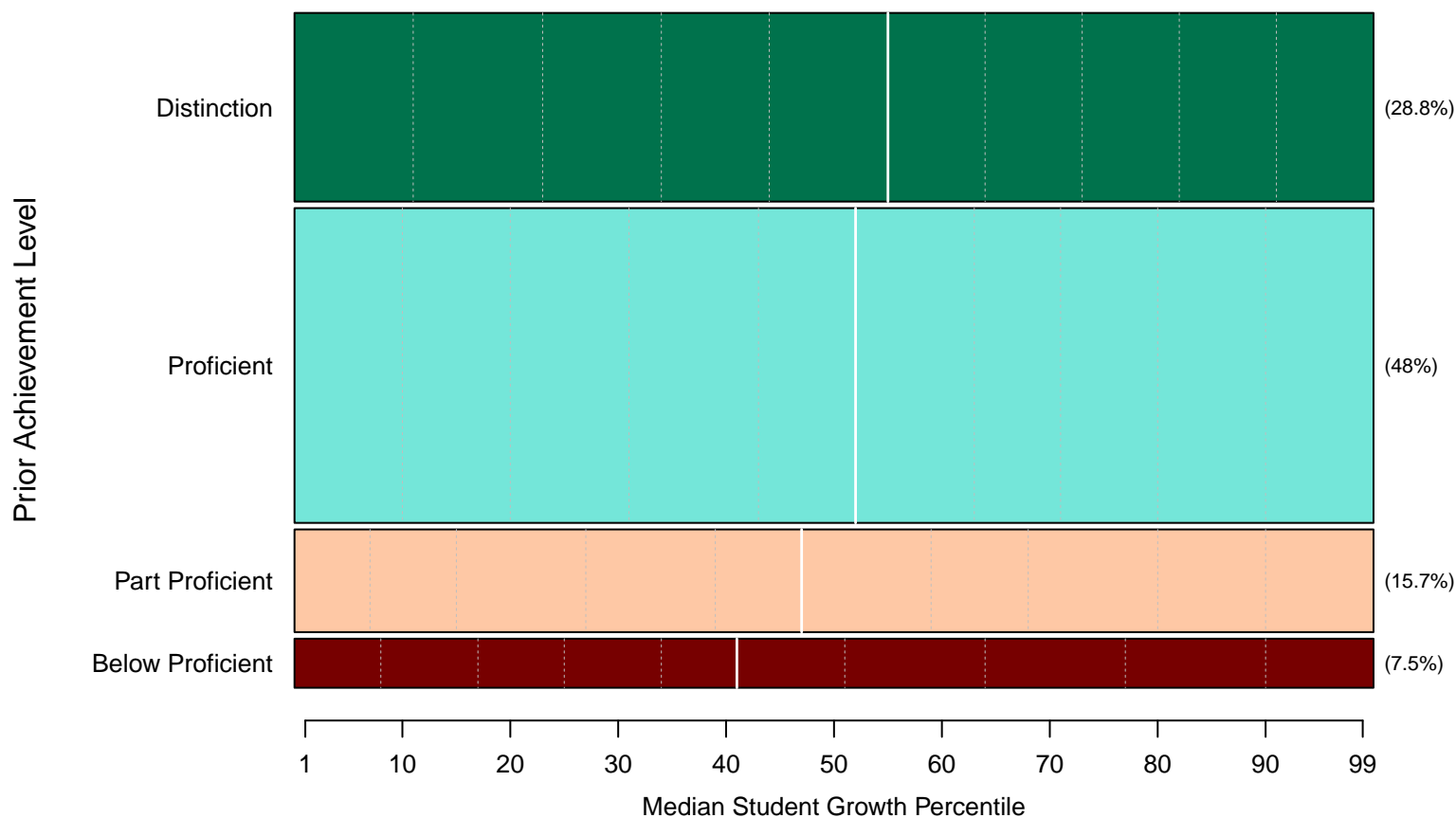
2011–2012 Mathematics SGP, Grade 4 (N = 13,365)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Distinction	(28.8%)
Proficient	(48%)
Part Proficient	(15.7%)
Below Proficient	(7.5%)

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/[300,334)	11.59	11.35	13.14	10.86	10.69	9.47	7.76	6.61	8.73	9.80	(9.2%)
2nd/[334,339)	13.20	10.82	8.08	10.82	11.04	7.22	8.87	9.38	10.39	10.17	(10.4%)
3rd/[339,343)	11.68	8.43	11.68	5.03	14.62	6.42	10.29	10.75	10.52	10.60	(9.7%)
4th/[343,346)	9.19	9.48	9.76	12.54	4.49	13.40	7.41	10.62	11.40	11.69	(10.5%)
5th/[346,348)	10.97	6.03	9.56	12.07	9.64	12.70	4.47	12.62	11.91	10.03	(9.5%)
6th/[348,351)	8.22	7.01	11.05	13.46	5.45	13.74	13.17	8.92	9.63	9.35	(10.6%)
7th/[351,352)	7.59	10.74	7.19	10.94	5.62	13.69	7.19	14.29	11.92	10.84	(7.6%)
8th/[352,356)	8.45	9.38	9.58	6.70	10.05	10.39	10.79	12.06	9.58	13.00	(11.2%)
9th/[356,360)	8.56	8.18	8.48	11.89	10.38	7.58	12.27	8.94	12.80	10.91	(9.9%)
10th/[360,380]	7.39	8.10	9.59	8.62	11.41	10.30	8.55	13.16	11.41	11.47	(11.5%)

*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