Student Growth Percentile Goodness–of–Fit Descriptives
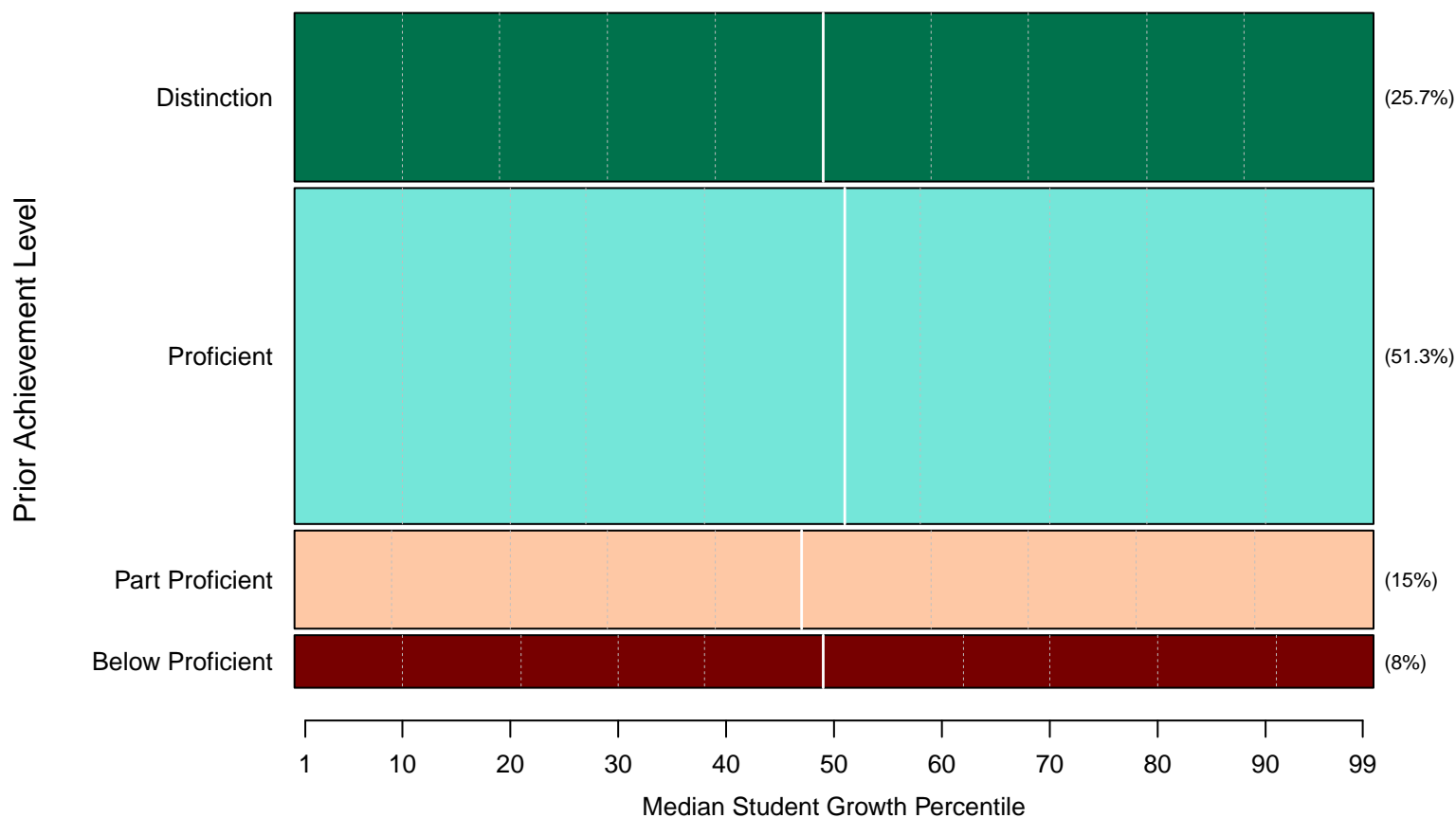
2010–2011 Mathematics SGP, Grade 4 (N = 13,442)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Distinction (25.7%)
- Proficient (51.3%)
- Part Proficient (15%)
- Below Proficient (8%)

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/[300,333)	8.75	10.17	11.50	10.33	8.58	7.92	12.50	10.42	8.58	11.25	(8.9%)
2nd/[333,339)	10.52	10.17	8.26	11.16	11.72	10.59	8.40	10.52	9.60	9.04	(10.5%)
3rd/[339,342)	10.95	6.92	18.16	5.19	8.65	8.45	14.22	6.82	9.22	11.43	(7.7%)
4th/[342,345)	8.36	12.10	10.48	10.12	7.62	15.03	5.65	9.75	10.56	10.34	(10.1%)
5th/[345,347)	9.83	6.92	11.48	14.31	5.74	12.74	5.27	12.03	9.20	12.50	(9.5%)
6th/[347,350)	11.43	10.49	10.43	11.70	6.15	13.50	8.76	10.23	8.76	8.56	(11.1%)
7th/[350,352)	10.59	12.28	7.74	12.81	5.96	12.19	10.23	9.34	8.72	10.14	(8.4%)
8th/[352,355)	9.16	9.10	11.23	10.26	9.23	11.61	8.90	10.97	9.48	10.06	(11.5%)
9th/[355,360)	10.62	11.05	10.04	10.25	9.53	7.27	10.91	11.64	9.09	9.60	(10.2%)
10th/[360,380]	9.10	9.79	11.41	10.10	12.53	10.22	9.85	7.36	10.22	9.41	(11.9%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution