Student Growth Percentile Goodness–of–Fit Descriptives
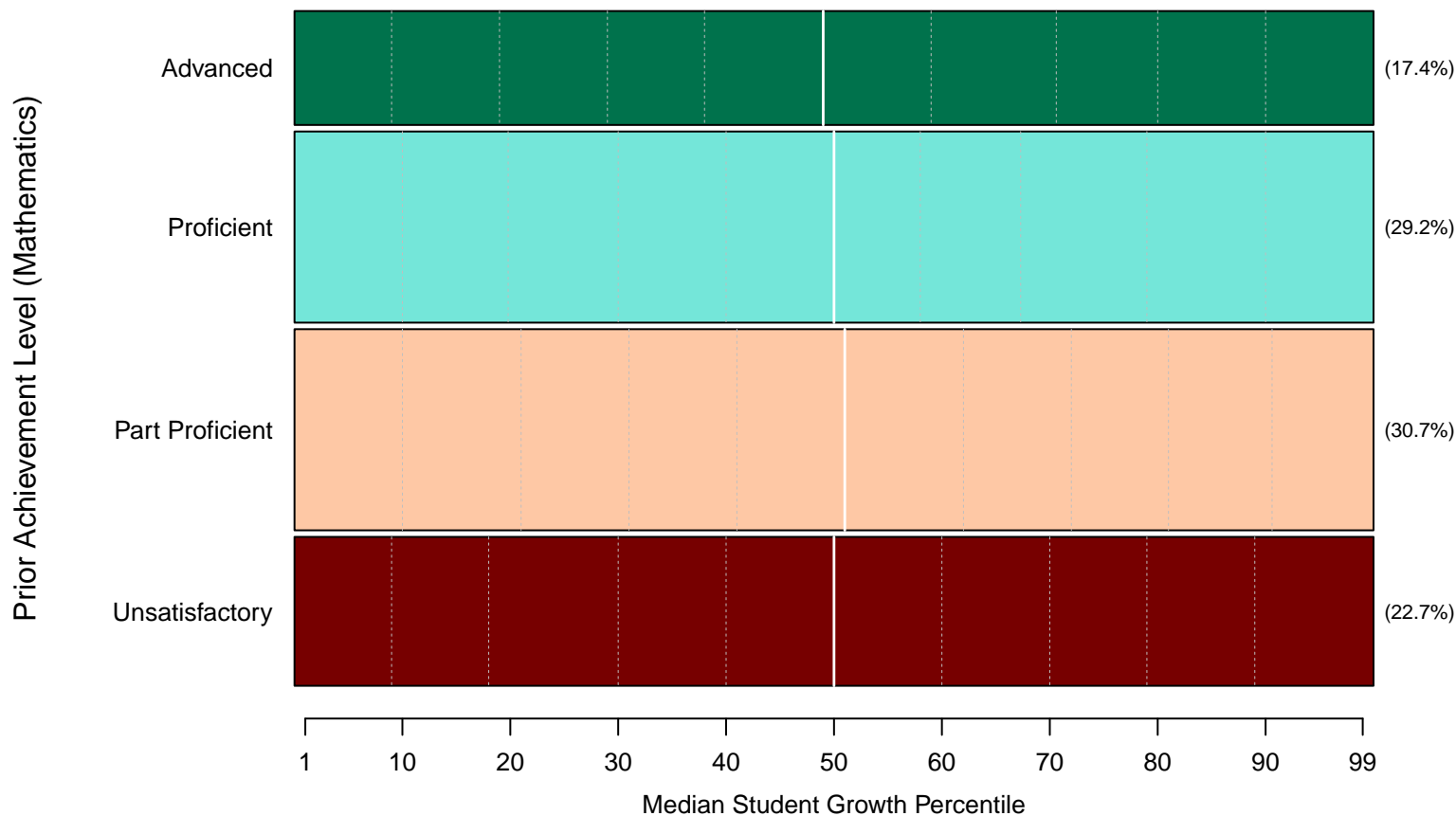
2012–2013 Mathematics SGP, Grade 10 (N = 4,250)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (17.4%)
- Proficient (29.2%)
- Part Proficient (30.7%)
- Unsatisfactory (22.7%)

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/[340,509)	12.24	8.71	7.53	11.06	11.06	9.18	9.65	11.53	9.88	9.18	(10%)
2nd/[509,540)	10.10	10.59	9.11	8.13	11.08	10.10	10.34	10.10	9.61	10.84	(9.6%)
3rd/[540,563)	10.38	10.38	9.93	9.03	9.03	9.48	12.19	8.58	11.29	9.71	(10.4%)
4th/[563,580)	9.16	10.60	9.88	10.36	10.12	9.40	10.60	10.36	8.92	10.60	(9.8%)
5th/[580,596)	10.14	7.25	8.21	10.63	11.35	9.42	8.21	11.35	10.14	13.29	(9.7%)
6th/[596,612)	8.04	13.24	10.40	7.57	8.75	10.40	12.77	10.40	9.46	8.98	(10%)
7th/[612,628)	9.34	8.66	10.25	9.57	12.53	10.48	10.71	8.43	10.25	9.79	(10.3%)
8th/[628,646)	10.80	9.20	8.74	9.66	9.20	11.95	8.51	10.80	8.97	12.18	(10.2%)
9th/[646,671)	10.43	12.56	10.66	9.95	10.43	9.95	7.58	9.48	9.24	9.72	(9.9%)
10th/[671,868]	10.28	8.88	10.28	10.51	9.58	9.81	10.05	8.64	10.51	11.45	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution