Student Growth Percentile Goodness–of–Fit Descriptives
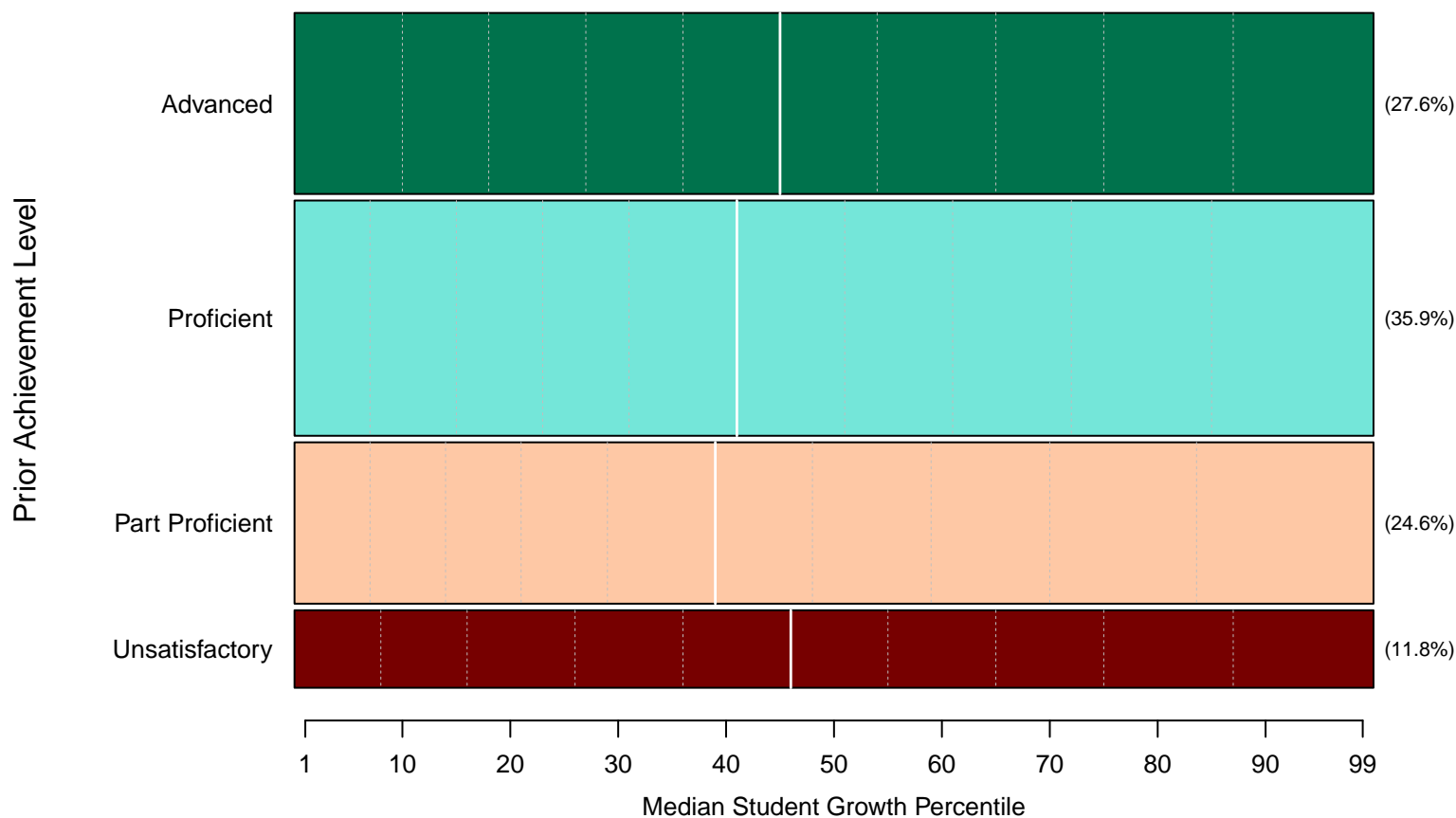
2010 Mathematics SGP, Grade 7 (N = 54,266)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Advanced (27.6%)
- Proficient (35.9%)
- Part Proficient (24.6%)
- Unsatisfactory (11.8%)

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/[240,444)	11.48	10.76	9.72	10.29	10.31	11.28	10.29	9.10	8.23	8.54	(9.9%)
2nd/[444,482)	14.83	13.20	12.94	9.36	10.96	9.40	8.39	7.94	6.93	6.05	(9.8%)
3rd/[482,506)	14.16	13.90	11.98	11.63	10.44	9.38	8.24	7.79	6.60	5.90	(9.9%)
4th/[506,526)	14.16	12.93	12.89	10.45	10.05	9.07	9.10	7.42	7.50	6.44	(9.9%)
5th/[526,545)	14.10	12.92	12.55	10.74	9.86	9.32	9.01	8.33	7.19	5.99	(10%)
6th/[545,564)	13.51	12.56	12.04	10.89	9.88	9.14	9.63	7.97	7.90	6.50	(10.2%)
7th/[564,584)	11.71	12.22	11.84	11.17	11.01	9.95	10.04	7.95	7.48	6.61	(10.1%)
8th/[584,605)	11.30	12.00	11.32	10.98	11.23	10.23	9.06	9.19	8.02	6.66	(9.8%)
9th/[605,635)	10.00	10.90	11.60	10.29	11.74	10.16	10.20	9.13	8.61	7.37	(10.3%)
10th/[635,830]	8.31	11.91	11.51	10.59	11.29	10.81	9.12	9.16	8.94	8.35	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution