Student Growth Percentile Goodness–of–Fit Descriptives
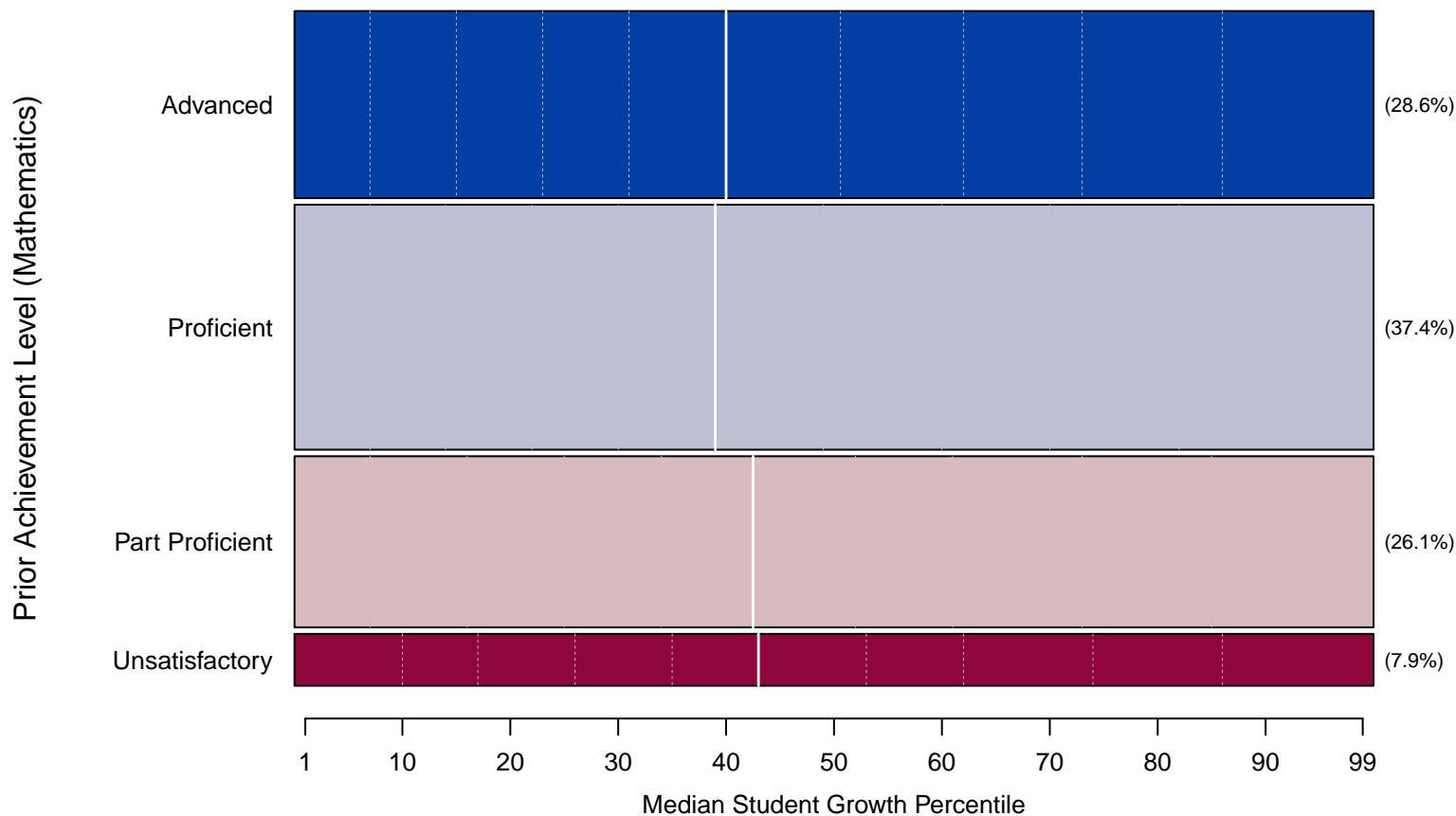
2011–2012 Mathematics SGP, Grade 7 (N = 4,051)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (28.6%)
- Proficient (37.4%)
- Part Proficient (26.1%)
- Unsatisfactory (7.9%)

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/[256,464]	12.10	11.36	11.60	9.63	11.11	10.37	9.88	7.41	9.14	7.41	(10%)
2nd/[464,491]	10.49	10.49	10.74	12.79	12.28	10.23	7.93	7.67	8.44	8.95	(9.7%)
3rd/[491,511]	11.14	12.38	15.84	11.88	9.90	11.88	7.43	6.19	7.43	5.94	(10%)
4th/[511,530]	12.74	12.26	11.30	9.86	7.21	9.62	11.78	11.54	8.41	5.29	(10.3%)
5th/[530,547]	15.72	12.04	11.79	11.55	10.81	8.35	9.58	9.09	5.16	5.90	(10%)
6th/[547,565]	13.76	13.02	11.55	13.51	11.06	8.35	8.11	8.85	5.90	5.90	(10%)
7th/[565,585]	12.82	14.62	12.31	11.03	8.97	11.03	10.00	7.69	5.90	5.64	(9.6%)
8th/[585,608]	15.46	13.47	11.47	9.73	11.97	7.73	8.73	7.73	7.23	6.48	(9.9%)
9th/[608,641]	11.11	12.77	13.95	11.58	7.33	10.17	10.64	7.09	7.80	7.57	(10.4%)
10th/[641,830]	16.22	11.06	10.81	11.06	10.81	8.35	8.60	9.58	5.65	7.86	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution