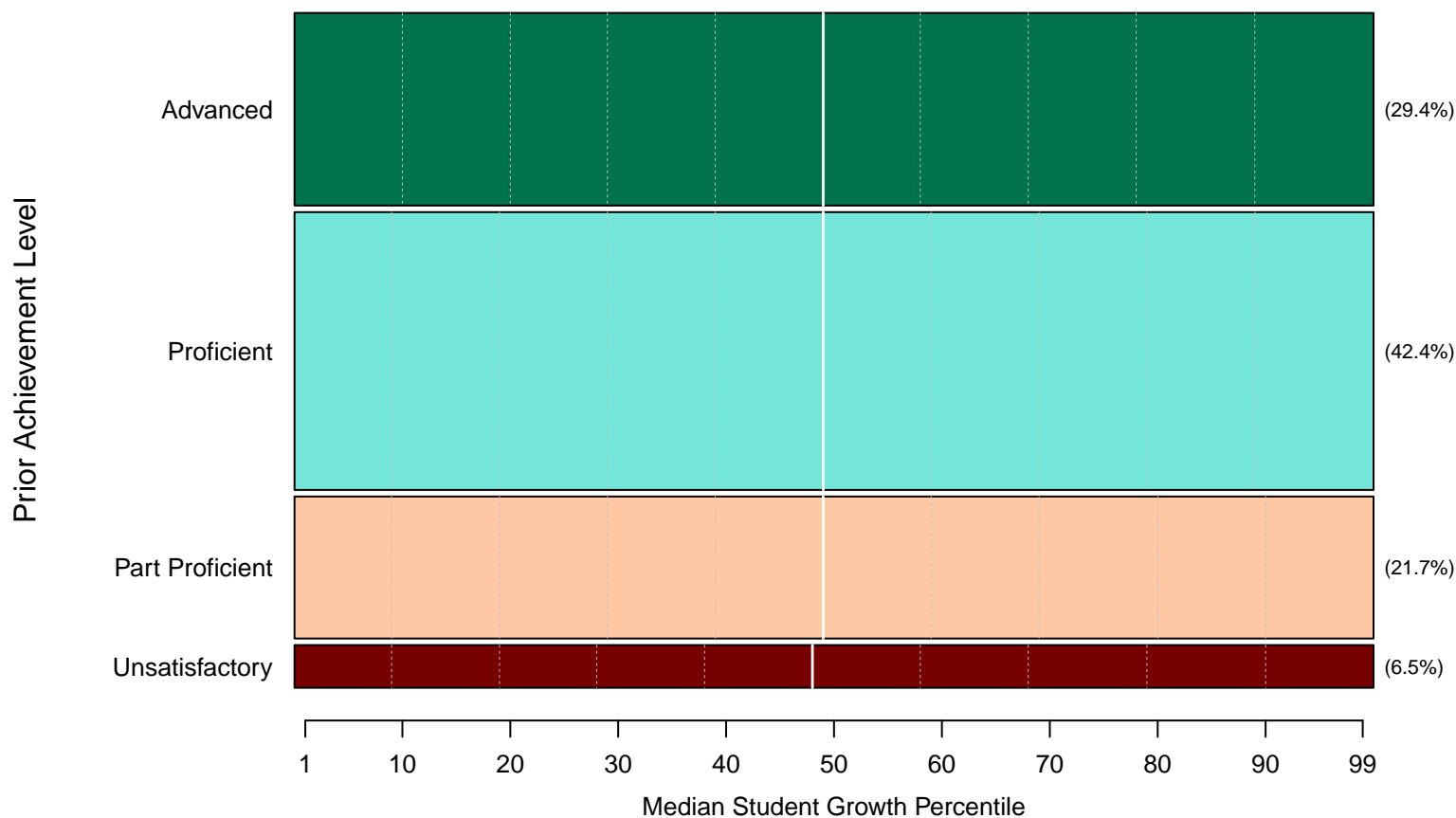# Student Growth Percentile Goodness–of–Fit Descriptives

2007 Mathematics SGP, Grade 4 (N = 52,677)

SGP Deciles by Prior Achievement Level

Prior Achievement Level:
- Advanced (29.4%)
- Proficient (42.4%)
- Part Proficient (21.7%)
- Unsatisfactory (6.5%)

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/[150,355)	10.38	10.51	10.55	10.05	10.26	9.64	9.93	9.18	9.26	10.24	(9.8%)
2nd/[355,396)	10.37	10.28	9.51	9.88	10.26	10.93	9.34	9.15	9.51	10.78	(10.1%)
3rd/[396,423)	10.27	9.56	10.29	9.67	9.73	10.25	9.94	9.25	10.39	10.66	(9.8%)
4th/[423,445)	10.06	11.06	9.96	10.54	9.71	9.44	9.46	10.38	9.48	9.92	(9.8%)
5th/[445,466)	10.54	9.62	10.19	9.95	10.01	9.53	9.56	10.04	10.79	9.77	(10.3%)
6th/[466,486)	9.22	10.69	9.38	10.63	11.07	10.20	9.75	9.46	9.75	9.85	(9.7%)
7th/[486,508)	10.16	10.51	10.25	9.84	10.29	10.48	10.01	9.24	9.13	10.10	(10.1%)
8th/[508,534)	10.17	10.25	9.79	10.65	9.23	10.19	10.54	9.79	9.52	9.88	(9.9%)
9th/[534,573)	9.69	10.07	11.00	10.98	10.13	10.11	9.39	9.43	9.37	9.83	(10%)
10th/[573,700]	9.18	10.50	10.39	10.65	10.10	10.80	9.90	9.97	9.68	8.82	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution