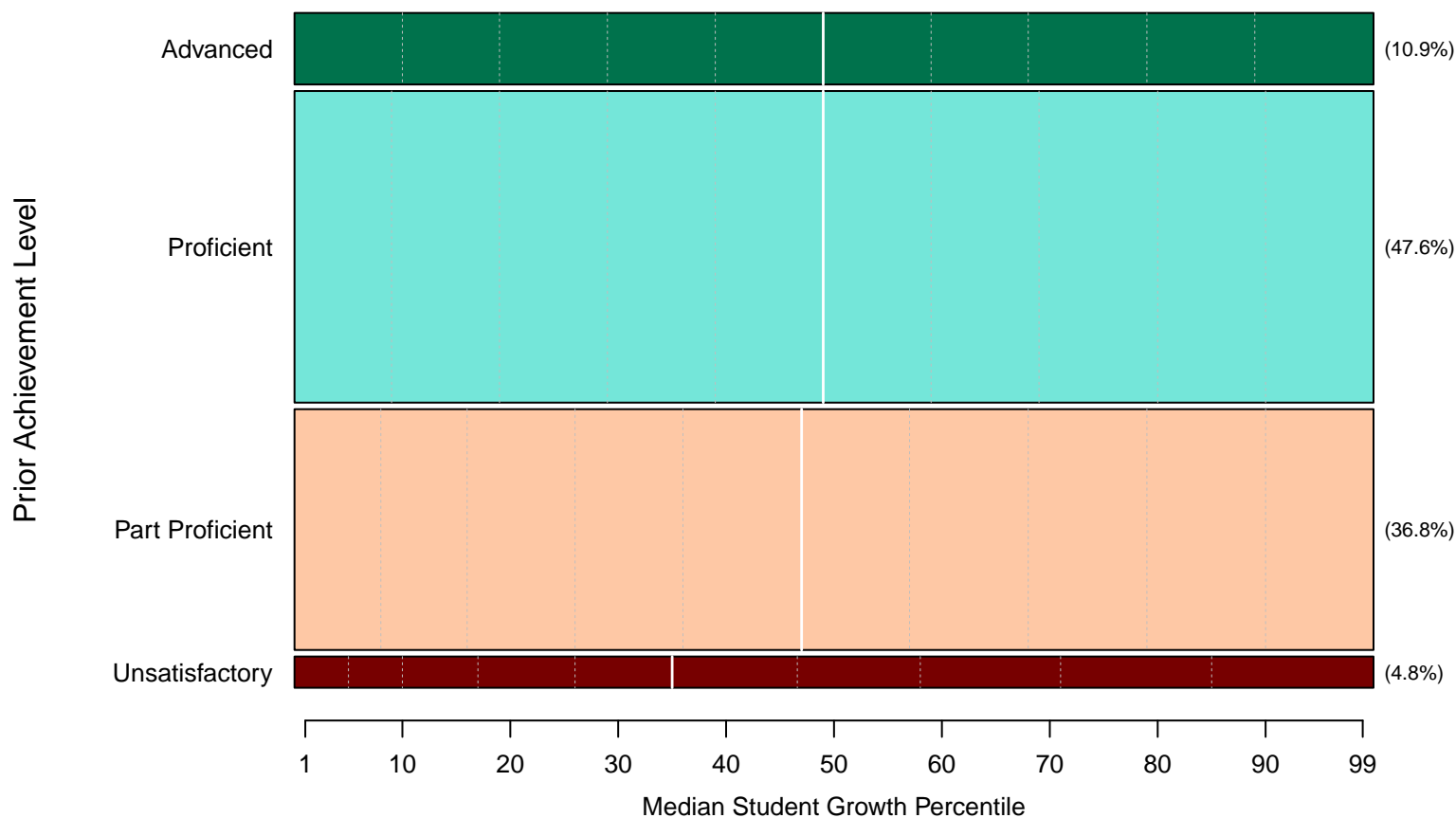# Student Growth Percentile Goodness–of–Fit Descriptives

2005 Writing SGP, Grade 7 (N = 52,563)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Advanced	(10.9%)
Proficient	(47.6%)
Part Proficient	(36.8%)
Unsatisfactory	(4.8%)

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/[230,447]	16.37	13.57	11.08	10.32	8.64	8.66	7.69	7.48	8.09	8.09	(10%)
2nd/[447,474]	13.30	12.24	10.32	9.49	9.18	9.39	8.45	8.43	8.93	10.26	(9.8%)
3rd/[474,493]	11.66	10.64	9.94	9.79	8.78	10.16	9.39	9.31	9.35	10.97	(9.6%)
4th/[493,510]	11.72	10.30	10.00	9.19	9.32	9.25	9.45	10.18	9.28	11.31	(10.1%)
5th/[510,525]	11.09	9.52	10.69	9.57	9.15	9.90	9.90	9.80	9.80	10.57	(9.9%)
6th/[525,540]	11.19	9.51	9.91	10.14	10.34	9.25	9.61	9.82	9.85	10.38	(10.1%)
7th/[540,556]	10.53	10.07	8.59	9.84	10.53	10.05	10.16	9.67	10.01	10.55	(9.9%)
8th/[556,575]	9.18	9.50	10.24	10.48	10.88	9.97	10.18	9.91	9.74	9.91	(10%)
9th/[575,603]	10.49	9.57	10.31	11.25	9.99	9.59	9.99	9.55	9.55	9.72	(10.3%)
10th/[603,840]	9.73	10.67	9.92	9.88	10.12	10.41	10.14	9.90	9.69	9.54	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100