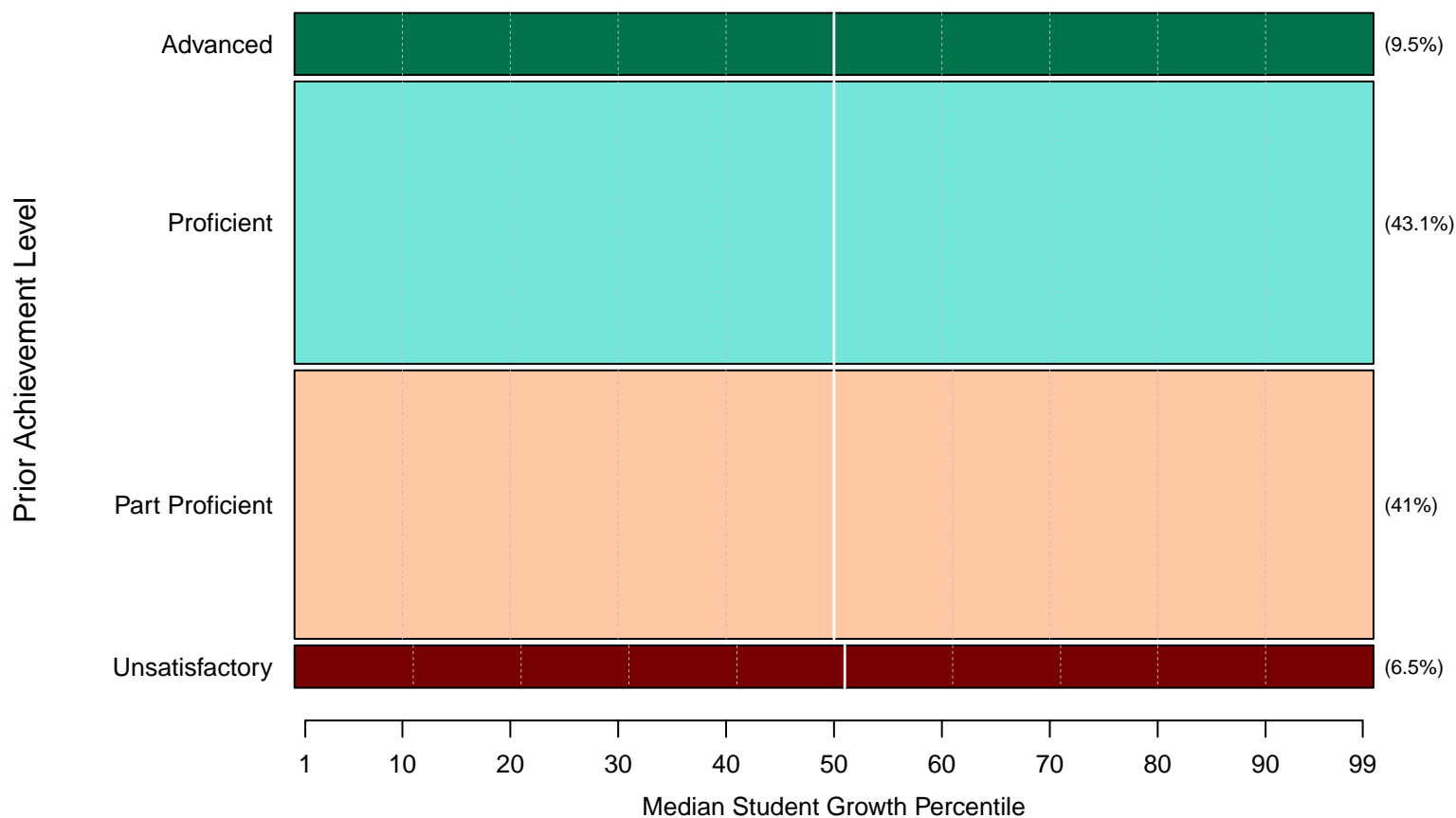# Student Growth Percentile Goodness–of–Fit Descriptives
2009 Writing SGP, Grade 5 (N = 54,833)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Level	Percentage
Advanced	(9.5%)
Proficient	(43.1%)
Part Proficient	(41%)
Unsatisfactory	(6.5%)

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/[190,426)	8.99	10.32	9.58	9.78	10.32	9.76	10.02	10.10	10.35	10.78	(9.9%)
2nd/[426,447)	9.59	9.27	9.95	9.76	9.67	9.87	9.84	10.29	10.72	11.04	(9.7%)
3rd/[447,462)	9.41	9.80	10.16	9.99	9.54	10.59	10.08	10.68	9.08	10.66	(9.8%)
4th/[462,475)	9.45	10.03	9.53	10.08	10.42	9.43	10.17	10.21	9.91	10.77	(9.8%)
5th/[475,488)	9.10	10.21	10.59	9.73	10.09	10.40	9.94	8.91	10.71	10.30	(10.6%)
6th/[488,500)	10.13	9.64	9.77	10.37	9.80	9.88	9.95	10.37	9.84	10.26	(10%)
7th/[500,513)	9.26	10.55	9.75	9.63	9.63	9.95	10.13	10.44	9.81	10.84	(10%)
8th/[513,528)	9.28	10.11	10.05	10.18	10.20	9.79	9.77	10.05	9.53	11.03	(9.7%)
9th/[528,552)	9.40	9.50	10.17	10.01	10.43	10.19	10.24	9.84	10.12	10.12	(10.4%)
10th/[552,730]	9.69	10.40	9.81	9.96	9.76	9.81	10.00	10.20	10.09	10.29	(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