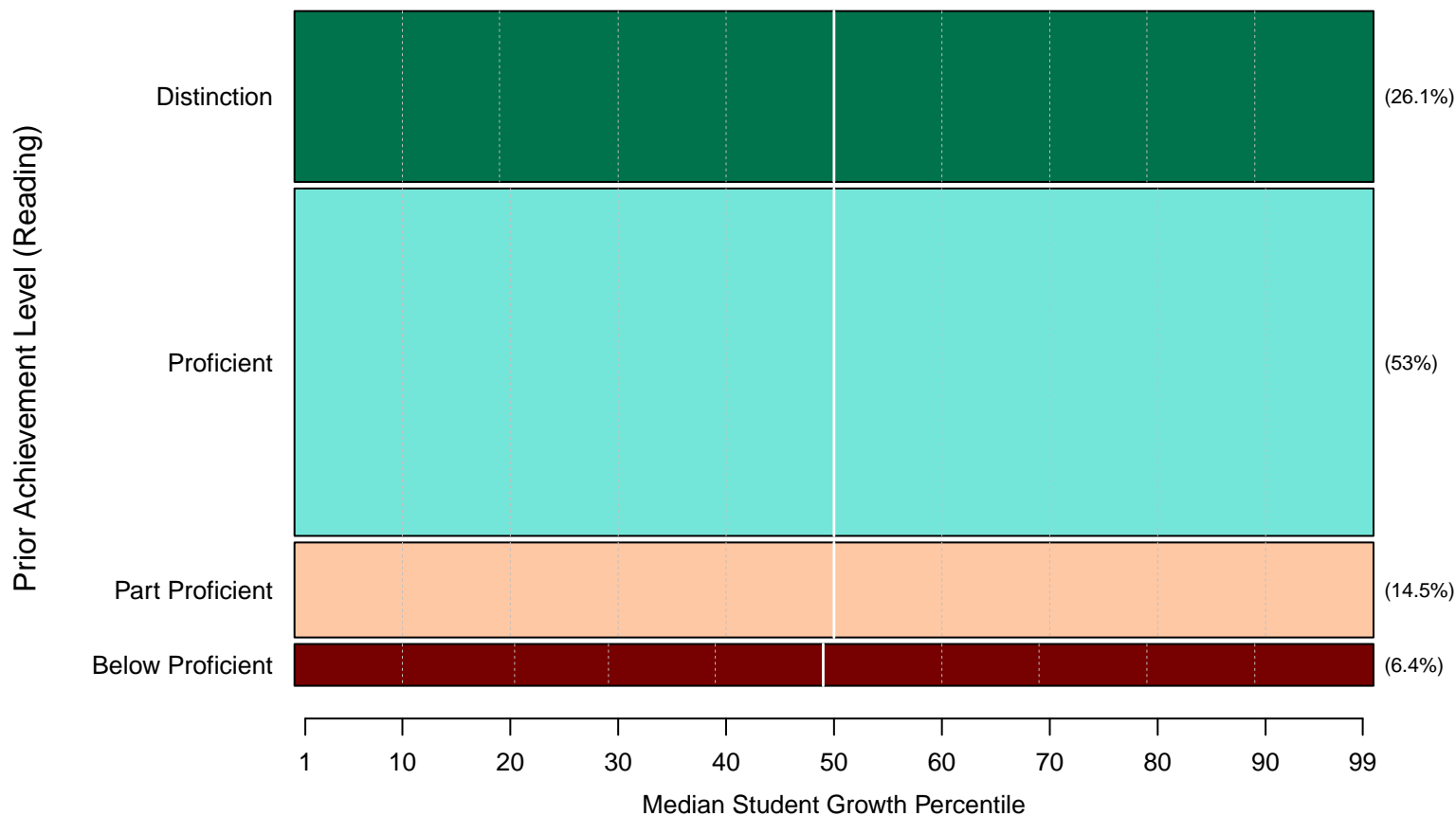# Student Growth Percentile Goodness–of–Fit Descriptives
2012–2013 Reading SGP, Grade 5 (N = 13,452)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

Level	Percent
Distinction	(26.1%)
Proficient	(53%)
Part Proficient	(14.5%)
Below Proficient	(6.4%)

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/[400,434)	9.88	10.49	10.18	9.95	9.95	9.65	9.49	10.11	10.26	10.03	(9.7%)
2nd/[434,439)	9.76	8.76	10.51	10.01	10.43	10.59	10.34	9.76	9.42	10.43	(8.9%)
3rd/[439,443)	9.12	9.78	9.71	9.58	9.84	10.50	9.91	9.91	10.10	11.55	(11.3%)
4th/[443,446)	10.46	11.27	9.56	10.87	9.26	8.55	10.36	9.86	10.56	9.26	(7.4%)
5th/[446,448)	10.63	9.84	10.16	10.95	10.40	9.44	9.05	10.16	9.92	9.44	(9.4%)
6th/[448,451)	7.95	10.82	8.88	9.74	10.03	9.89	9.89	11.96	9.89	10.96	(10.4%)
7th/[451,454)	10.77	8.39	12.00	9.03	9.29	10.58	10.39	8.71	10.13	10.71	(11.5%)
8th/[454,458)	9.27	10.32	8.50	9.69	11.03	10.88	9.55	9.76	10.25	10.74	(10.6%)
9th/[458,463)	9.72	10.25	10.40	10.32	10.17	8.59	10.78	11.00	9.19	9.57	(9.9%)
10th/[463,480]	9.58	10.67	9.92	10.33	9.04	10.26	9.99	9.71	10.05	10.46	(10.9%)

*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