Student Growth Percentile Goodness−of−Fit Descriptives
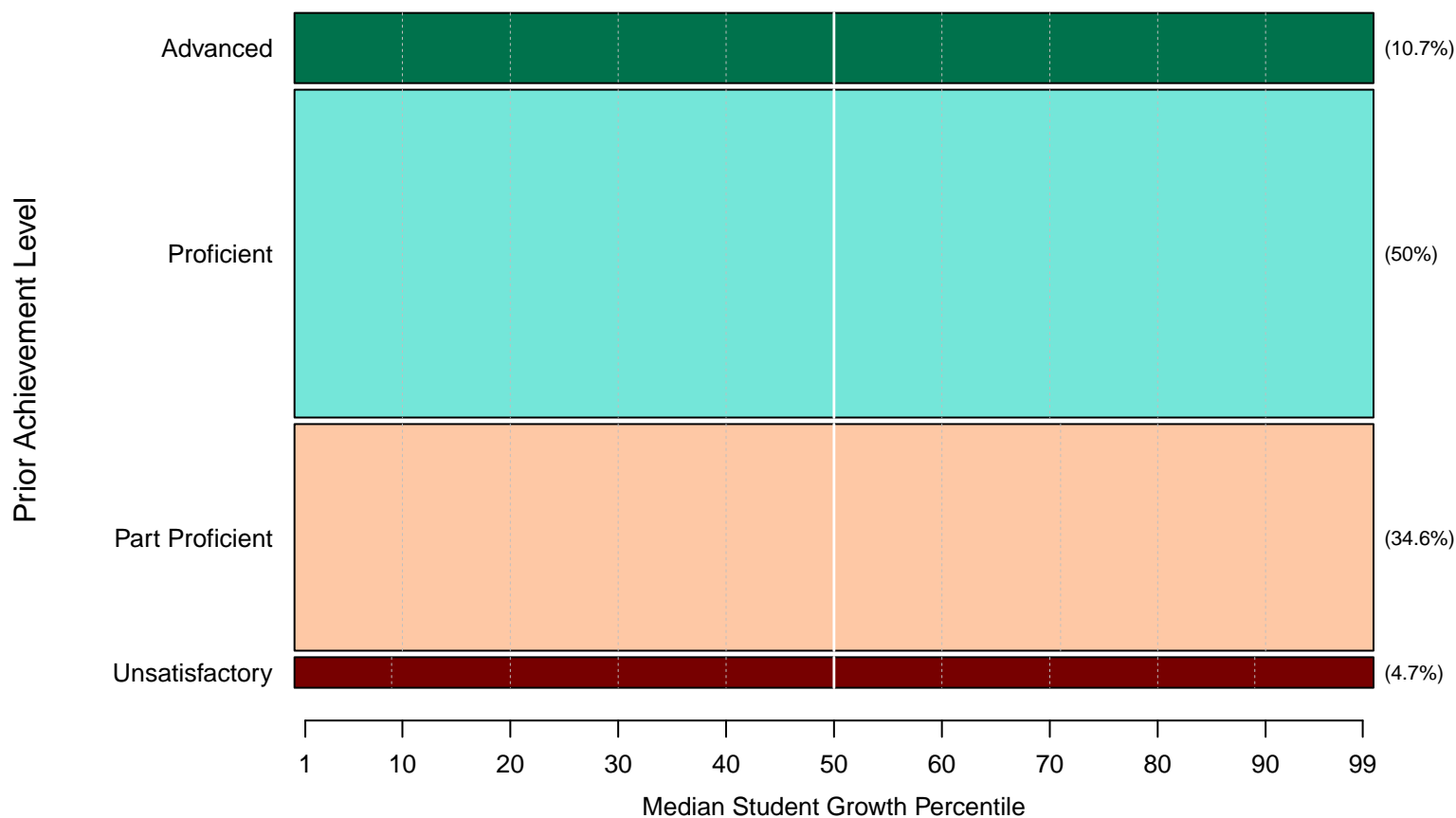## 2009 Writing SGP, Grade 7 (N = 53,527)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Advanced	(10.7%)
Proficient	(50%)
Part Proficient	(34.6%)
Unsatisfactory	(4.7%)

Median Student Growth Percentile
(axis: 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/[230,450)	9.73	9.45	9.69	10.37	9.82	9.90	10.01	10.41	10.12	10.50	(9.9%)
2nd/[450,479)	8.82	10.02	9.66	9.59	10.20	10.58	10.00	10.20	10.20	10.73	(10%)
3rd/[479,498)	9.67	9.93	10.23	9.90	9.80	9.90	9.58	9.63	10.62	10.74	(10%)
4th/[498,514)	9.69	10.10	9.70	10.13	9.69	10.10	9.95	9.76	10.10	10.79	(10%)
5th/[514,528)	9.38	10.15	10.30	9.38	10.57	9.74	9.87	10.44	9.89	10.28	(10.1%)
6th/[528,542)	9.89	9.85	9.26	10.52	9.74	10.42	10.48	9.41	9.74	10.71	(9.8%)
7th/[542,557)	9.53	10.06	10.59	9.72	9.45	10.12	9.13	10.19	10.10	11.12	(9.9%)
8th/[557,576)	9.84	9.98	9.46	9.84	9.68	9.82	10.31	9.75	10.51	10.82	(10.3%)
9th/[576,602)	9.54	9.52	10.11	10.43	10.57	10.09	9.81	9.62	9.66	10.64	(9.9%)
10th/[602,840]	9.49	10.30	9.98	9.84	9.76	9.89	9.98	10.22	10.39	10.15	(10.2%)

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

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution