Student Growth Percentile Goodness–of–Fit Descriptives
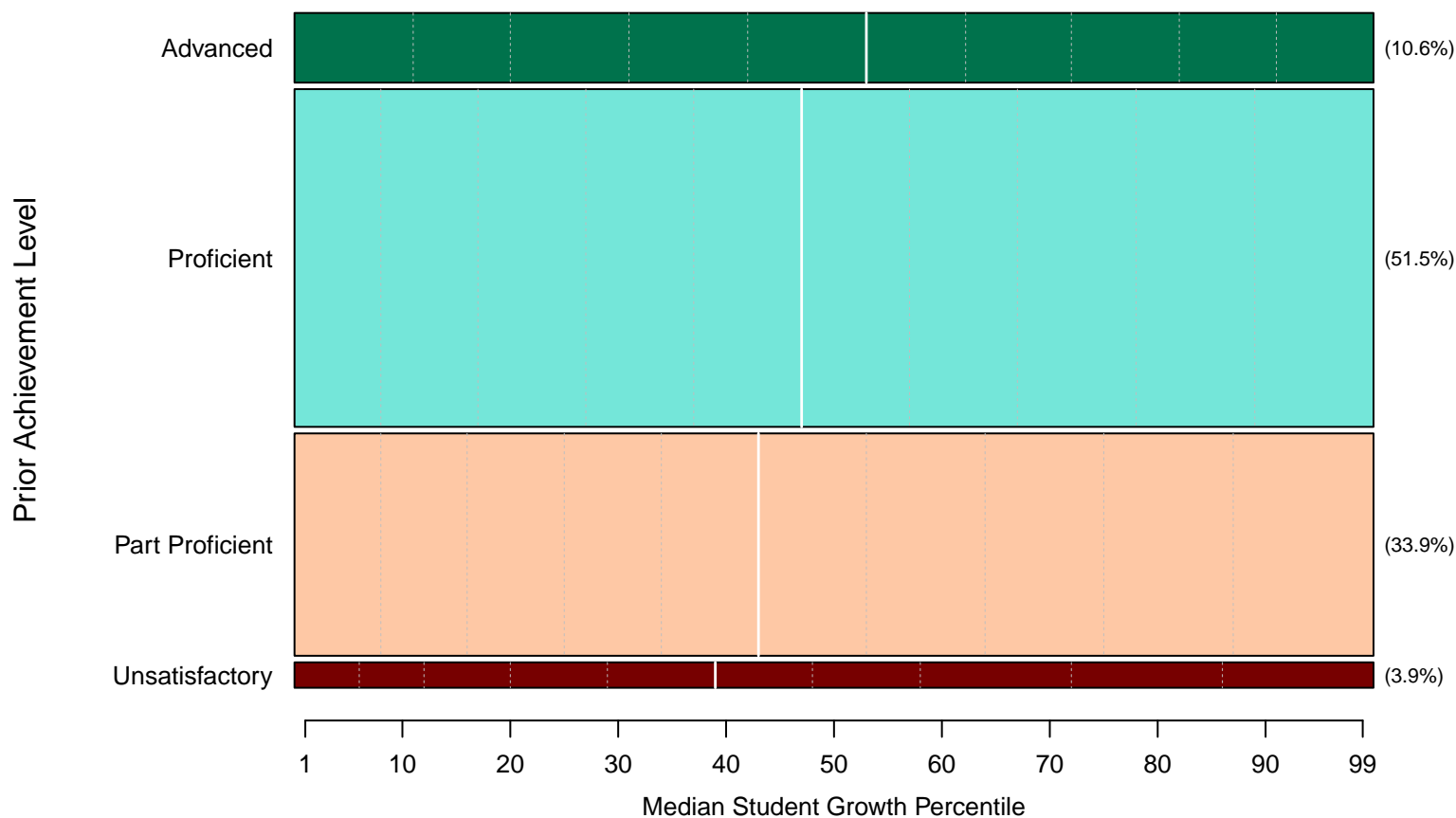## 2010 Writing SGP, Grade 7 (N = 53,929)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Level	Percentage
Advanced	(10.6%)
Proficient	(51.5%)
Part Proficient	(33.9%)
Unsatisfactory	(3.9%)

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/[230,455)	14.44	13.20	11.30	10.13	10.39	9.31	7.81	8.96	6.75	7.71	(10%)
2nd/[455,482)	11.77	12.75	10.98	11.92	10.22	9.22	8.75	8.84	7.35	8.19	(10%)
3rd/[482,500)	11.81	11.50	11.98	11.02	9.79	10.10	8.93	8.62	8.02	8.24	(9.7%)
4th/[500,516)	11.77	11.10	11.21	10.65	9.96	10.59	9.53	8.51	8.29	8.38	(10.2%)
5th/[516,530)	12.29	11.96	10.86	10.11	9.76	9.10	10.03	8.25	8.85	8.78	(9.8%)
6th/[530,544)	12.00	11.62	10.02	9.79	10.67	9.78	9.66	9.27	8.58	8.60	(9.9%)
7th/[544,559)	11.14	10.55	10.57	10.66	9.88	9.75	10.47	9.11	8.22	9.66	(10%)
8th/[559,577)	10.07	11.59	10.38	9.83	10.64	10.01	10.03	9.03	9.12	9.29	(10%)
9th/[577,601)	9.59	10.82	9.88	10.12	9.57	10.82	9.32	9.56	9.36	10.96	(10.1%)
10th/[601,840]	8.95	10.59	9.09	9.16	9.27	9.78	9.76	10.82	10.45	12.12	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution