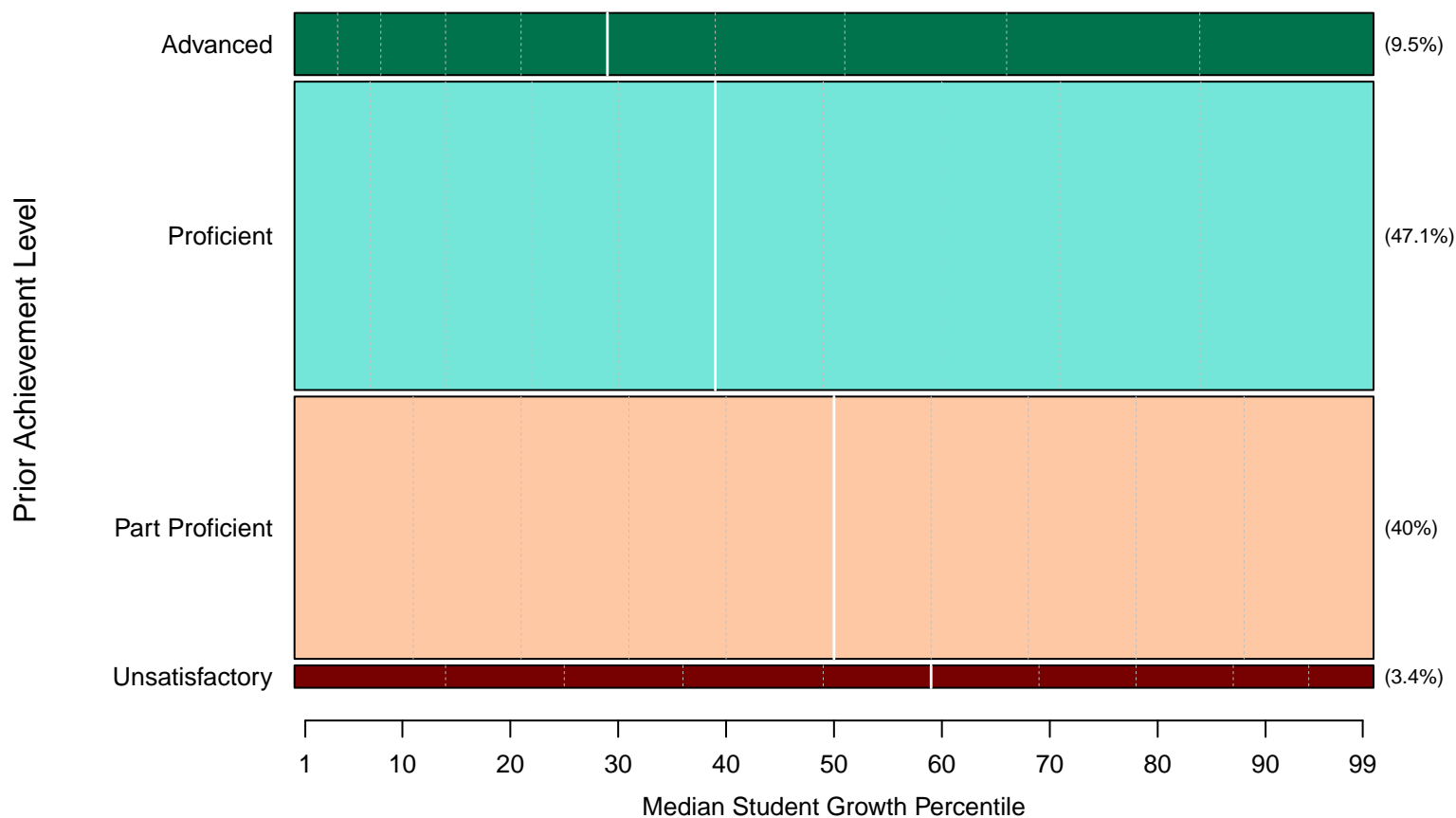# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Writing SGP, Grade 10 (N = 52,419)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Advanced	(9.5%)
Proficient	(47.1%)
Part Proficient	(40%)
Unsatisfactory	(3.4%)

Median Student Growth Percentile

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/[260,479)	6.61	8.82	10.25	8.46	8.92	10.11	10.67	11.34	11.69	13.13	(9.9%)
2nd/[479,512)	8.12	8.10	9.97	10.20	11.26	11.02	11.40	10.91	10.30	8.72	(9.8%)
3rd/[512,536)	8.37	9.31	10.72	11.10	11.22	11.91	10.23	10.38	8.73	8.03	(10%)
4th/[536,556)	9.11	11.51	11.34	11.00	10.73	10.46	9.85	9.47	8.75	7.77	(10%)
5th/[556,574)	10.58	11.48	11.14	11.12	9.76	10.18	10.03	9.62	8.49	7.59	(10%)
6th/[574,593)	11.96	12.64	12.11	10.96	10.56	10.28	8.20	8.96	7.61	6.73	(10.4%)
7th/[593,612)	12.61	12.34	12.38	11.78	9.61	9.72	9.51	8.38	7.57	6.10	(9.9%)
8th/[612,635)	15.30	13.44	12.31	11.36	9.26	9.36	9.17	7.41	6.52	5.87	(10%)
9th/[635,669)	17.19	14.80	12.57	11.16	9.99	8.38	7.36	6.59	5.88	6.08	(10%)
10th/[669,930]	22.13	15.52	12.80	10.28	7.70	7.27	6.18	5.82	6.01	6.28	(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