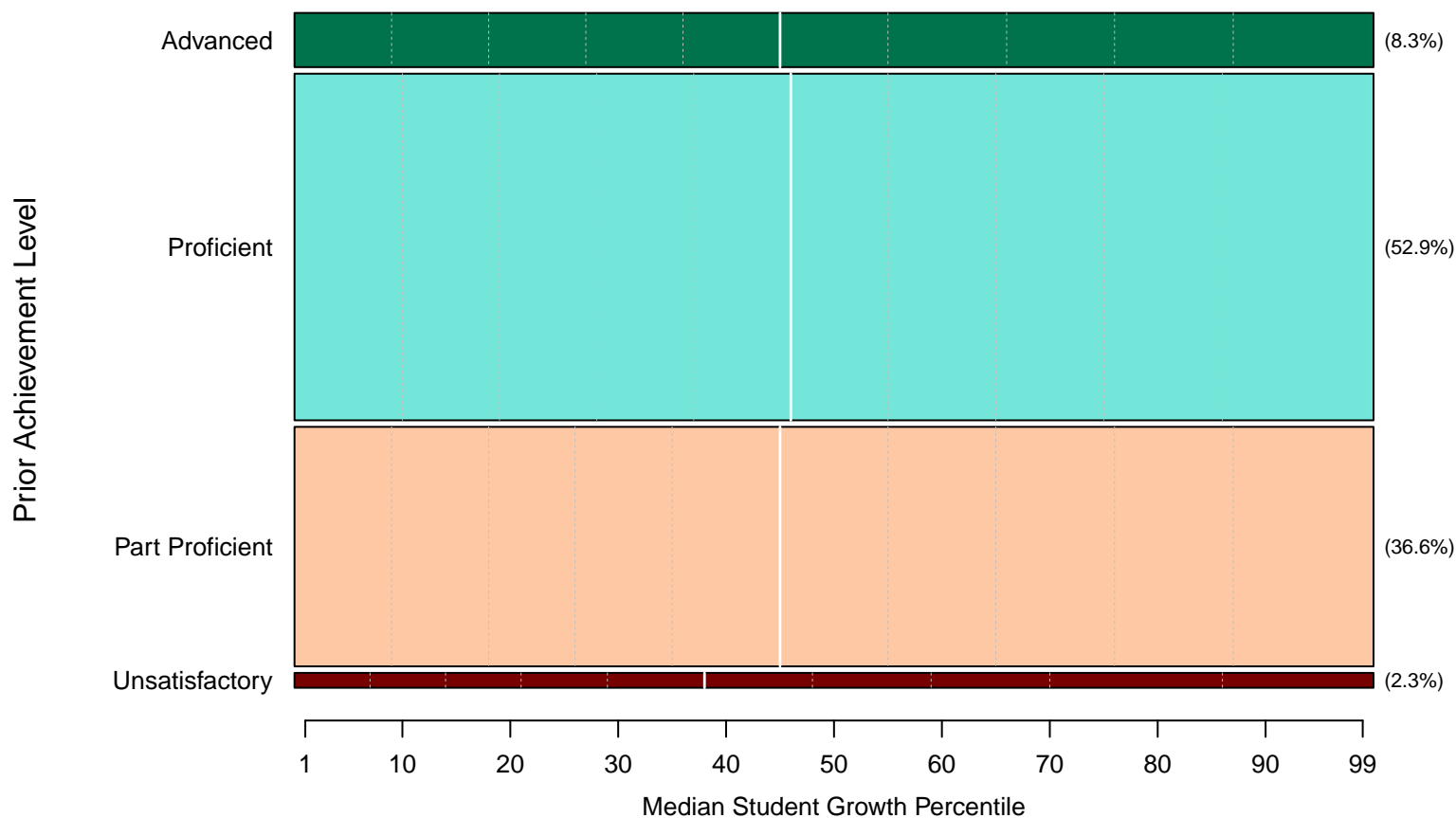# Student Growth Percentile Goodness–of–Fit Descriptives

2005 Writing SGP, Grade 10 (N = 47,188)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Advanced (8.3%)
- Proficient (52.9%)
- Part Proficient (36.6%)
- Unsatisfactory (2.3%)

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/[260,491]	11.83	13.37	12.01	10.32	10.49	10.02	8.55	7.45	7.54	8.42	(9.8%)
2nd/[491,524)	9.09	11.69	11.89	10.51	10.89	9.81	9.51	9.51	8.54	8.56	(10%)
3rd/[524,546)	9.88	11.98	11.45	10.95	10.55	9.79	10.03	9.86	7.88	7.62	(9.9%)
4th/[546,564)	10.50	11.43	11.43	10.46	10.28	9.94	9.96	9.89	8.64	7.46	(9.8%)
5th/[564,581)	10.12	11.25	11.19	10.98	10.92	10.58	9.57	9.26	8.93	7.21	(10.1%)
6th/[581,597)	9.69	9.99	10.43	11.55	11.42	11.29	10.72	9.48	8.61	6.82	(10%)
7th/[597,615)	9.82	10.43	12.68	10.72	10.92	10.72	11.09	9.12	7.94	6.57	(10.4%)
8th/[615,635)	9.42	10.14	11.53	12.10	10.29	11.20	10.11	9.13	8.11	7.98	(9.7%)
9th/[635,664)	9.94	10.88	11.43	11.22	11.33	9.49	10.25	9.09	8.32	8.04	(10.1%)
10th/[664,930]	10.20	11.33	11.75	10.57	10.69	9.31	9.31	9.84	9.25	7.76	(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