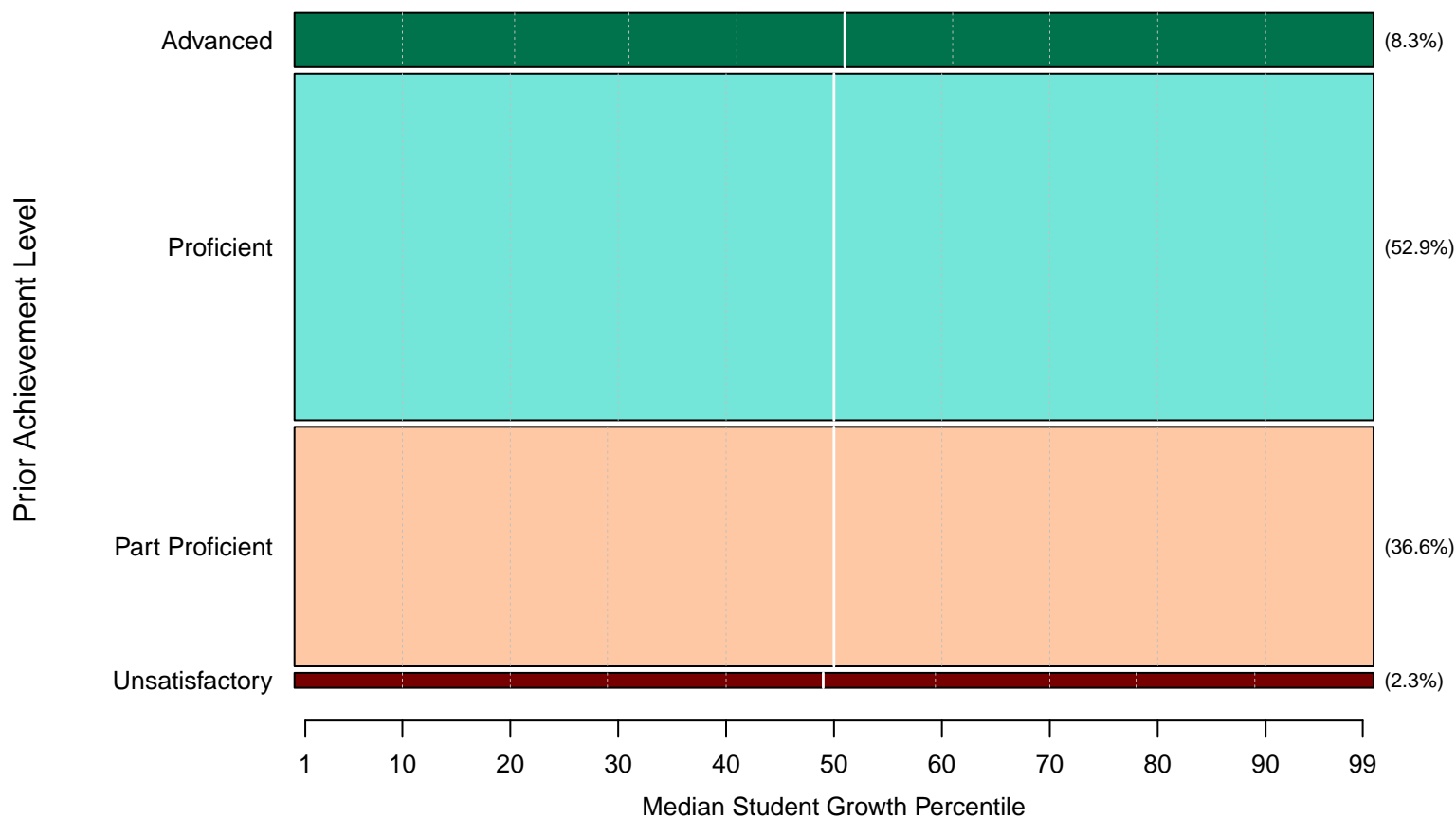# Student Growth Percentile Goodness–of–Fit Descriptives
2005 Writing SGP, Grade 10 (N = 47,188)

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)	10.21	10.21	10.08	9.85	9.65	10.17	10.32	9.95	9.57	9.98	(9.8%)
2nd/[491,524)	9.53	9.92	10.02	9.70	10.28	10.25	9.34	10.57	9.68	10.70	(10%)
3rd/[524,546)	9.58	10.31	10.05	10.40	9.77	9.97	10.40	9.34	10.03	10.16	(9.9%)
4th/[546,564)	10.09	9.79	10.26	9.57	9.98	9.63	9.50	10.31	10.18	10.70	(9.8%)
5th/[564,581)	9.78	10.16	10.01	10.01	9.68	9.89	9.51	9.51	10.50	10.94	(10.1%)
6th/[581,597)	9.37	9.63	8.93	10.30	10.13	10.18	10.28	10.32	10.43	10.43	(10%)
7th/[597,615)	9.67	10.29	10.76	9.76	9.39	10.02	10.21	10.12	9.72	10.06	(10.4%)
8th/[615,635)	9.22	9.90	9.87	10.40	9.92	9.87	10.09	10.09	9.83	10.81	(9.7%)
9th/[635,664)	9.60	10.15	10.11	9.37	10.15	10.38	9.66	9.62	10.44	10.53	(10.1%)
10th/[664,930]	9.20	9.72	9.80	9.99	9.68	9.84	10.40	10.53	10.07	10.75	(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