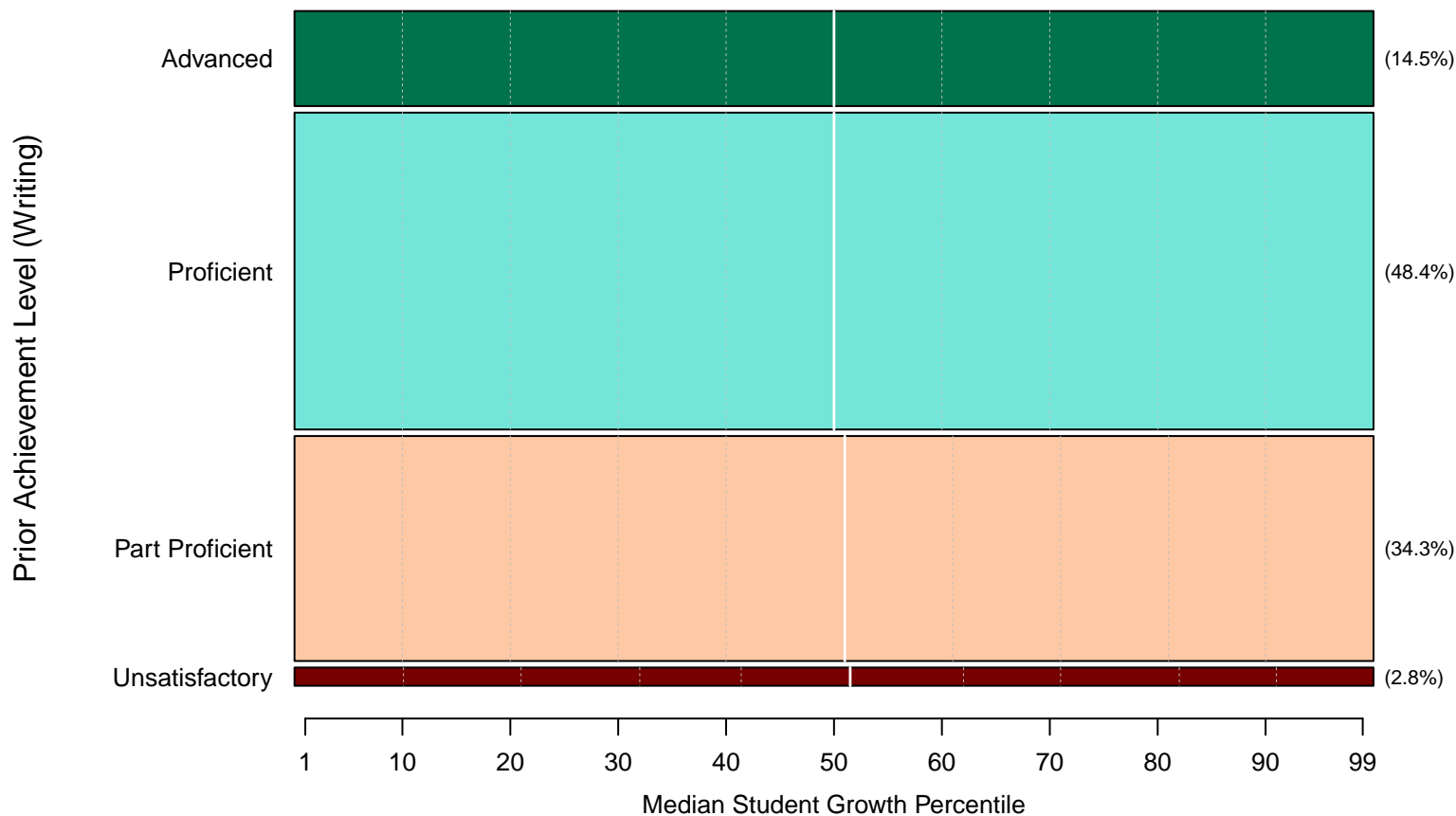# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Writing SGP, Grade 8 (N = 57,136)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Writing)

- Advanced (14.5%)
- Proficient (48.4%)
- Part Proficient (34.3%)
- Unsatisfactory (2.8%)

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/[240,474)	9.39	9.89	9.69	10.12	9.93	9.78	10.00	9.89	10.42	10.89	(9.8%)
2nd/[474,504)	9.39	9.96	9.60	9.87	10.14	9.64	10.55	9.87	10.38	10.62	(9.8%)
3rd/[504,526)	9.46	9.25	9.75	10.18	9.53	10.24	9.44	10.62	9.92	11.61	(10.2%)
4th/[526,543)	9.68	10.29	10.07	9.38	9.98	10.04	9.62	10.26	10.29	10.38	(9.6%)
5th/[543,559)	9.48	10.07	10.36	9.65	9.85	9.95	10.16	9.56	10.13	10.79	(10%)
6th/[559,575)	10.35	9.45	9.40	9.81	10.27	9.65	10.11	10.35	9.69	10.93	(10.3%)
7th/[575,592)	8.76	9.85	10.53	9.88	9.99	10.18	9.72	9.67	10.78	10.64	(10%)
8th/[592,613)	9.77	9.92	9.58	10.15	9.63	9.69	9.63	10.56	10.38	10.70	(9.8%)
9th/[613,646)	9.21	9.88	10.09	10.02	10.17	10.19	10.34	10.24	9.70	10.17	(10.3%)
10th/[646,890)	9.31	10.14	9.79	10.02	10.02	9.85	9.97	9.67	10.33	10.91	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution