Student Growth Percentile Goodness–of–Fit Descriptives
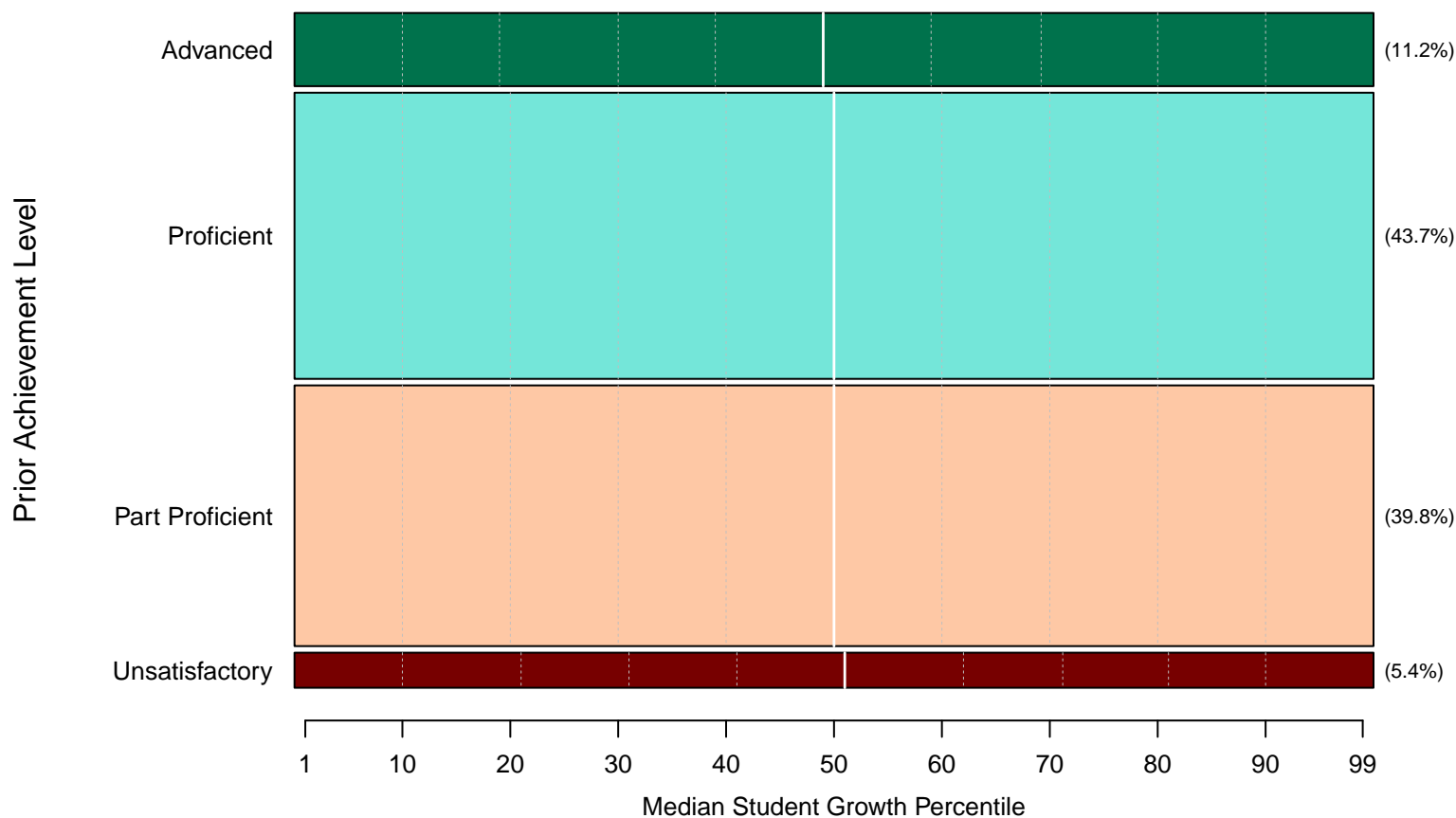## 2005 Writing SGP, Grade 8 (N = 52,592)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Advanced (11.2%)
- Proficient (43.7%)
- Part Proficient (39.8%)
- Unsatisfactory (5.4%)

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/[240,455)	9.64	9.62	9.83	10.18	10.02	9.75	9.85	10.16	10.45	10.50	(9.9%)
2nd/[455,488)	9.96	9.87	10.31	9.58	9.81	10.51	9.76	9.85	9.66	10.69	(10%)
3rd/[488,511)	9.82	10.38	9.69	10.53	10.15	9.41	9.79	10.36	9.62	10.26	(10%)
4th/[511,529)	9.40	9.44	10.21	9.97	9.95	10.40	10.19	10.19	9.77	10.50	(9.6%)
5th/[529,547)	9.63	10.18	9.94	9.96	10.51	9.96	9.74	9.59	10.29	10.18	(10.3%)
6th/[547,563)	9.80	9.84	10.36	10.10	9.58	10.06	9.30	10.08	10.08	10.81	(9.5%)
7th/[563,582)	9.67	10.05	9.46	10.14	10.25	10.05	10.65	9.81	9.45	10.48	(10.4%)
8th/[582,603)	9.51	10.59	10.13	9.85	10.25	9.60	9.41	10.38	10.06	10.21	(10%)
9th/[603,633)	9.57	9.49	10.46	10.12	9.30	9.89	10.24	9.59	10.35	10.98	(10%)
10th/[633,890]	9.89	10.42	9.50	10.06	10.29	10.18	9.86	9.97	9.61	10.22	(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