Student Growth Percentile Goodness–of–Fit Descriptives
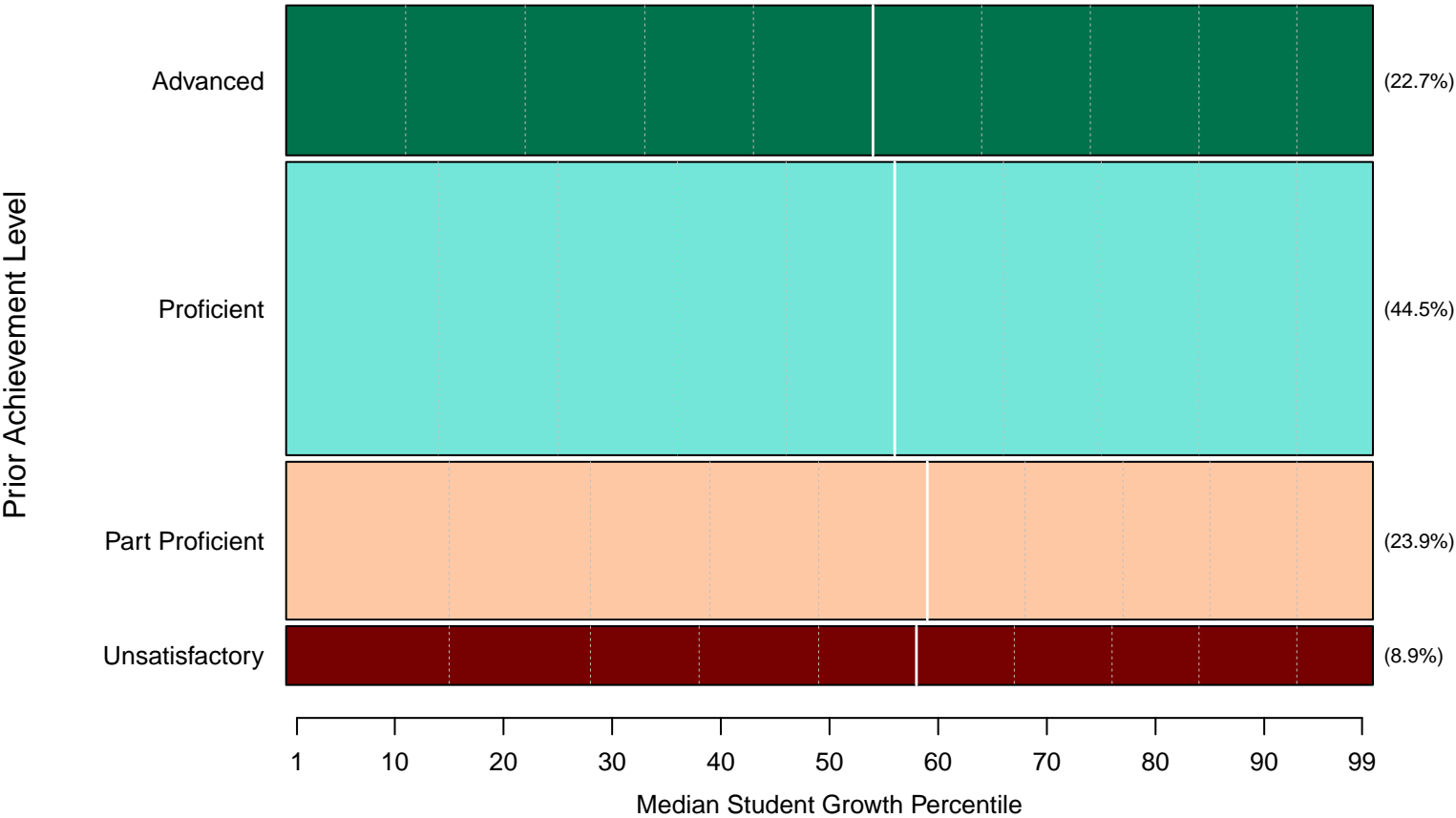## 2006 Mathematics SGP, Grade 5 (N = 51,577)

SGP Deciles by Prior Achievement Level

Prior Achievement Level:
- Advanced (22.7%)
- Proficient (44.5%)
- Part Proficient (23.9%)
- Unsatisfactory (8.9%)

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/[180,388)	5.59	7.68	8.29	9.21	9.54	10.69	11.18	11.57	12.28	13.98	(9.9%)
2nd/[388,423)	5.49	6.87	7.92	9.42	9.56	10.33	11.53	11.37	12.66	14.85	(9.8%)
3rd/[423,449)	6.50	8.37	7.95	8.82	9.85	10.32	10.30	11.20	12.19	14.51	(10.2%)
4th/[449,468)	5.70	7.86	8.57	9.21	9.85	10.13	10.63	10.71	12.60	14.74	(9.7%)
5th/[468,486)	6.49	7.61	8.89	9.50	10.28	9.95	10.08	11.52	11.93	13.75	(9.9%)
6th/[486,504)	6.75	8.32	8.68	9.23	9.28	10.64	10.22	11.57	11.82	13.49	(10.3%)
7th/[504,523)	6.96	8.59	9.26	9.06	10.12	10.31	10.44	10.85	10.92	13.49	(10.1%)
8th/[523,544)	7.49	8.70	9.36	9.13	10.75	10.28	9.95	9.89	11.07	13.37	(9.9%)
9th/[544,573)	8.30	9.59	9.20	9.72	9.65	9.32	10.57	10.17	9.78	13.70	(10.1%)
10th/[573,780]	8.03	9.20	9.03	9.80	9.30	9.74	9.68	9.83	11.03	14.38	(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