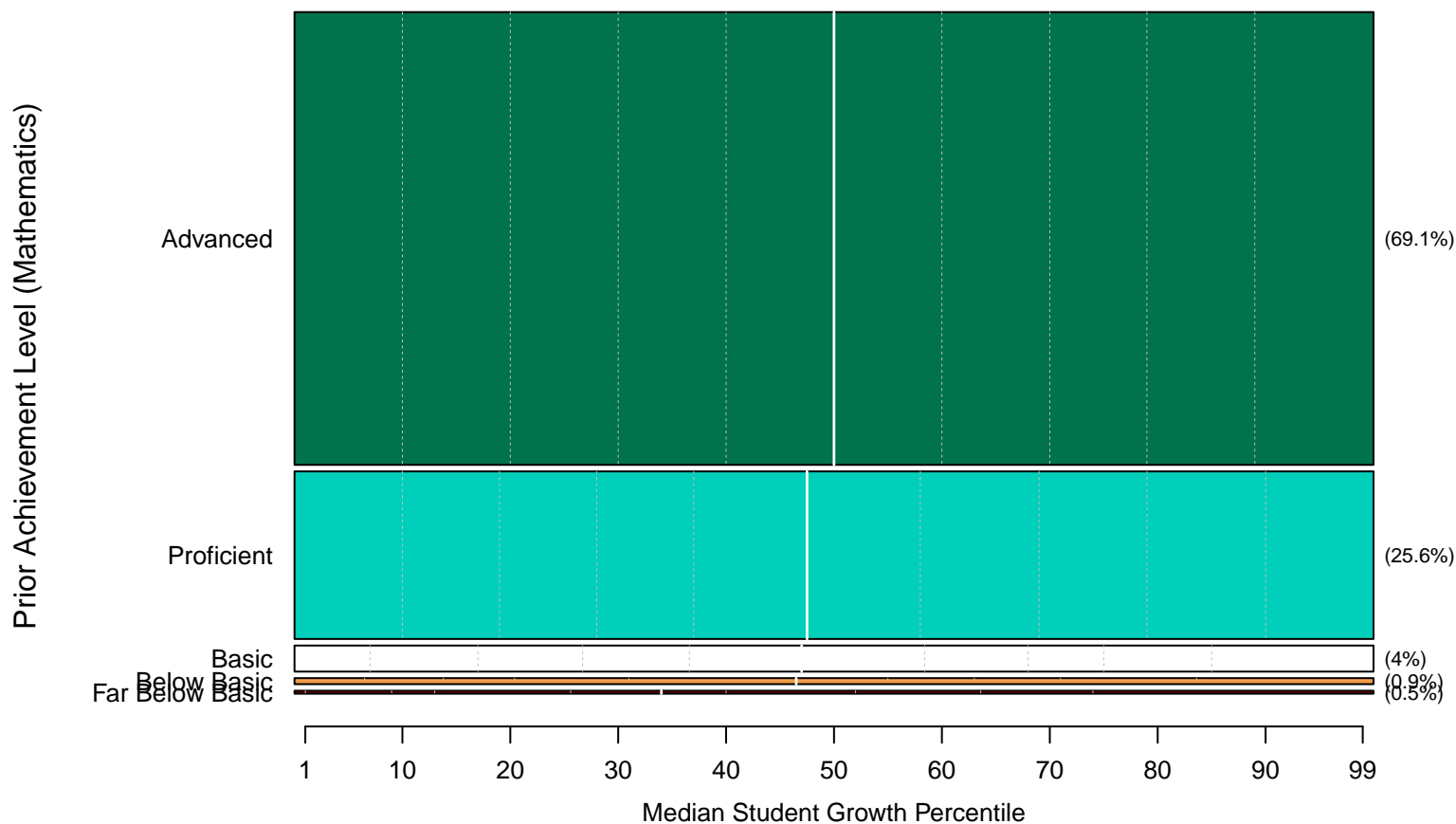# Student Growth Percentile Goodness–of–Fit Descriptives

2010 Algebra I SGP, Grade EOCT (N = 3,270)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (69.1%)
- Proficient (25.6%)
- Basic (4%)
- Below Basic (0.9%)
- Far Below Basic (0.5%)

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/[213,369)	9.54	11.08	9.54	9.23	9.54	9.23	8.92	11.08	10.46	11.38	(9.9%)
2nd/[369,390)	10.48	8.06	10.08	8.47	11.69	12.10	12.10	12.10	6.85	8.06	(7.6%)
3rd/[390,409)	11.56	13.12	10.31	12.19	8.12	9.38	9.38	9.38	8.44	8.12	(9.8%)
4th/[409,423)	8.14	10.47	10.47	11.63	9.30	9.69	11.24	7.75	10.47	10.85	(7.9%)
5th/[423,441)	9.65	7.02	12.87	10.53	11.11	8.77	9.36	8.48	9.36	12.87	(10.5%)
6th/[441,463)	9.58	11.21	8.18	9.11	10.05	10.28	9.35	10.05	11.45	10.75	(13.1%)
7th/[463,477)	10.36	11.16	11.16	4.38	11.95	12.35	9.56	13.55	7.17	8.37	(7.7%)
8th/[477,495)	8.46	9.23	7.69	15.77	6.92	6.15	15.38	10.00	10.77	9.62	(8%)
9th/[495,561)	8.83	9.24	12.94	7.60	10.88	10.88	8.01	11.50	10.88	9.24	(14.9%)
10th/[561,600]	11.97	10.54	7.12	11.40	12.25	11.68	9.40	13.96	4.56	7.12	(10.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution