Student Growth Percentile Goodness−of−Fit Descriptives
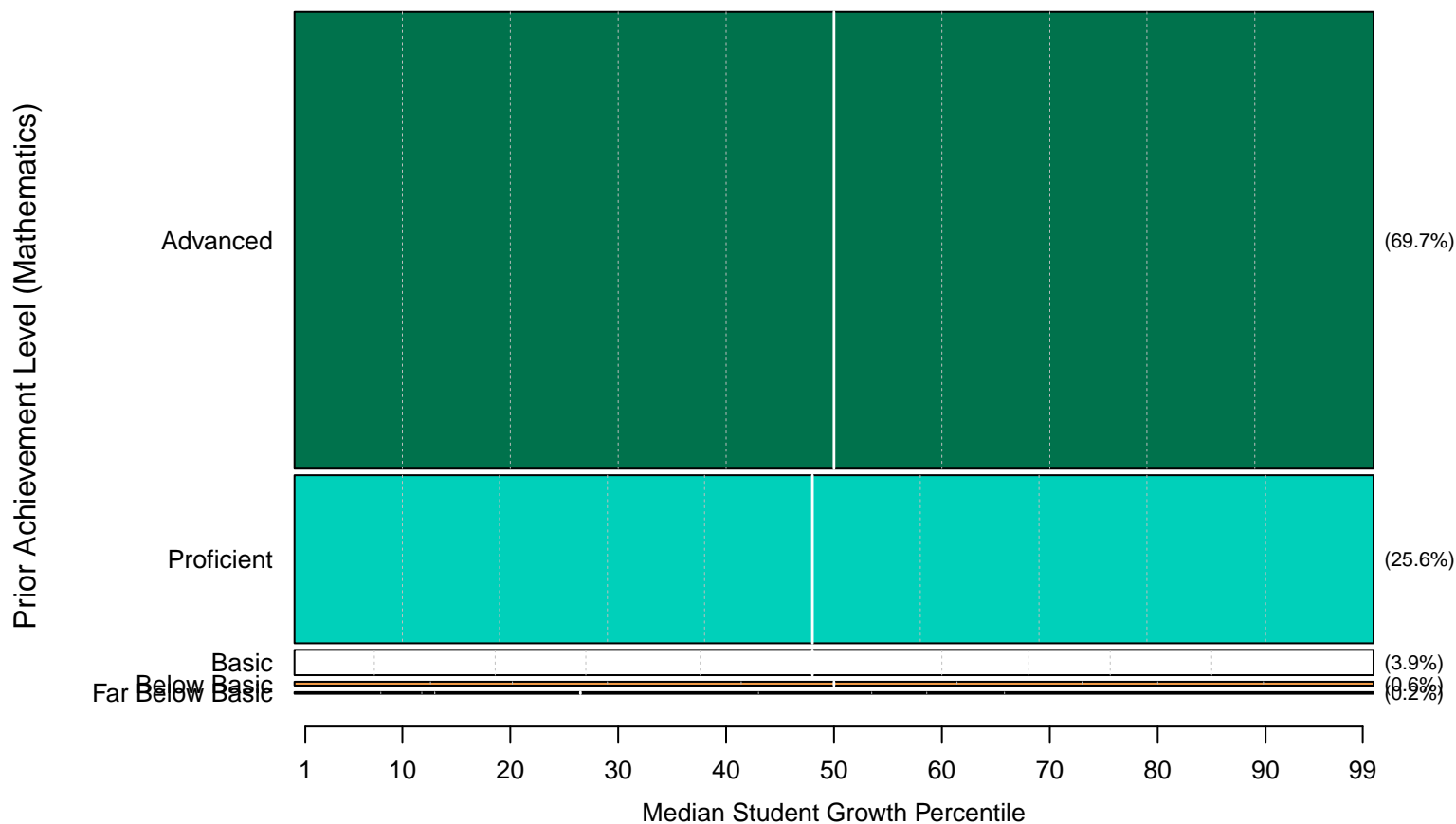## 2010 Algebra I SGP, Grade 7 (N = 3,240)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (69.7%)
- Proficient (25.6%)
- Basic (3.9%)
- Below Basic (0.6%)
- Far Below Basic (0.2%)

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]	8.70	10.37	9.70	9.03	9.70	9.03	9.03	11.04	11.37	12.04	(9.2%)
2nd/[369,396]	11.45	9.64	9.94	8.13	11.75	10.84	11.45	12.05	6.93	7.83	(10.2%)
3rd/[396,409]	10.26	12.82	10.26	14.10	6.84	10.26	9.40	8.55	8.97	8.55	(7.2%)
4th/[409,431]	7.73	8.43	11.71	11.71	10.54	9.84	10.30	8.20	9.60	11.94	(13.2%)
5th/[431,441]	12.28	8.77	12.28	9.36	9.36	7.60	9.36	8.19	10.53	12.28	(5.3%)
6th/[441,463]	9.58	11.21	8.18	9.11	10.05	10.28	9.35	10.05	11.45	10.75	(13.2%)
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	(15%)
10th/[561,600]	11.97	10.54	7.12	11.40	12.25	11.68	9.40	13.96	4.56	7.12	(10.8%)

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

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution