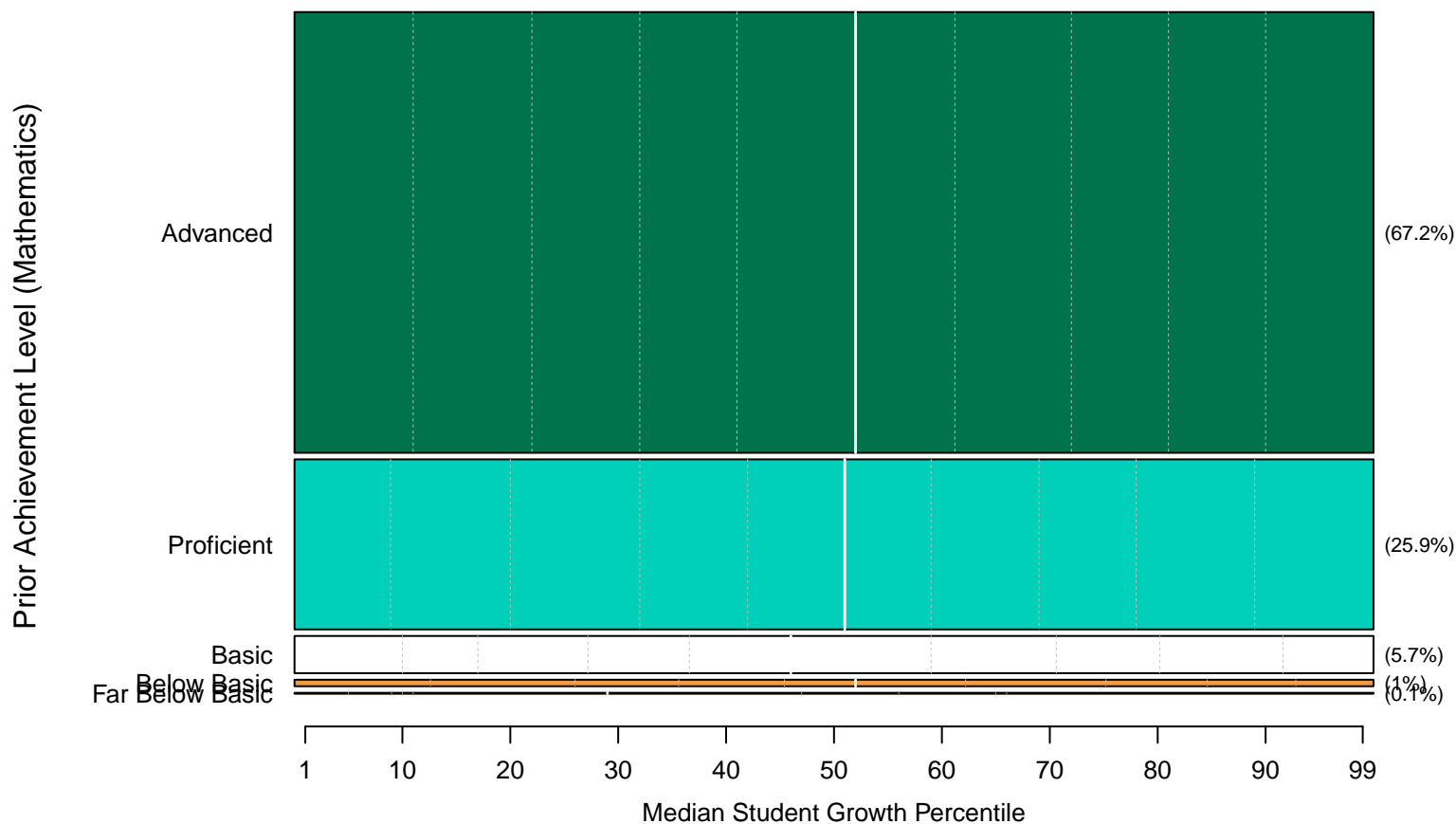# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Algebra I SGP, Grade EOCT (N = 4,317)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (67.2%)
- Proficient (25.9%)
- Basic (5.7%)
- Below Basic (1%)
- Far Below Basic (0.1%)

Median Student Growth Percentile: 1 10 20 30 40 50 60 70 80 90 99

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/[241,363]	8.82	11.84	10.58	11.59	9.82	8.31	9.07	11.59	8.06	10.33	(9.2%)
2nd/[363,388]	12.23	7.07	10.87	9.51	11.14	10.05	10.60	13.32	7.61	7.61	(8.5%)
3rd/[388,413]	10.65	8.35	7.10	10.23	9.39	11.69	10.65	10.23	10.02	11.69	(11.1%)
4th/[413,428]	8.96	8.40	11.48	8.12	10.64	13.45	8.12	7.28	10.64	12.89	(8.3%)
5th/[428,446]	9.31	9.31	9.31	11.03	10.78	11.52	9.56	10.29	9.56	9.31	(9.5%)
6th/[446,469]	7.92	10.04	10.81	9.65	10.81	11.00	8.49	8.69	13.32	9.27	(12%)
7th/[469,483]	10.17	11.19	6.44	13.22	8.47	9.83	9.15	9.83	10.85	10.85	(6.8%)
8th/[483,502]	9.82	10.74	9.20	13.19	7.06	12.27	9.51	7.98	8.59	11.66	(7.6%)
9th/[502,568]	6.52	7.25	10.14	8.70	11.45	8.55	10.00	12.61	10.29	14.49	(16%)
10th/[568,600]	10.02	8.14	10.86	10.23	8.35	12.32	8.14	11.69	12.11	8.14	(11.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100