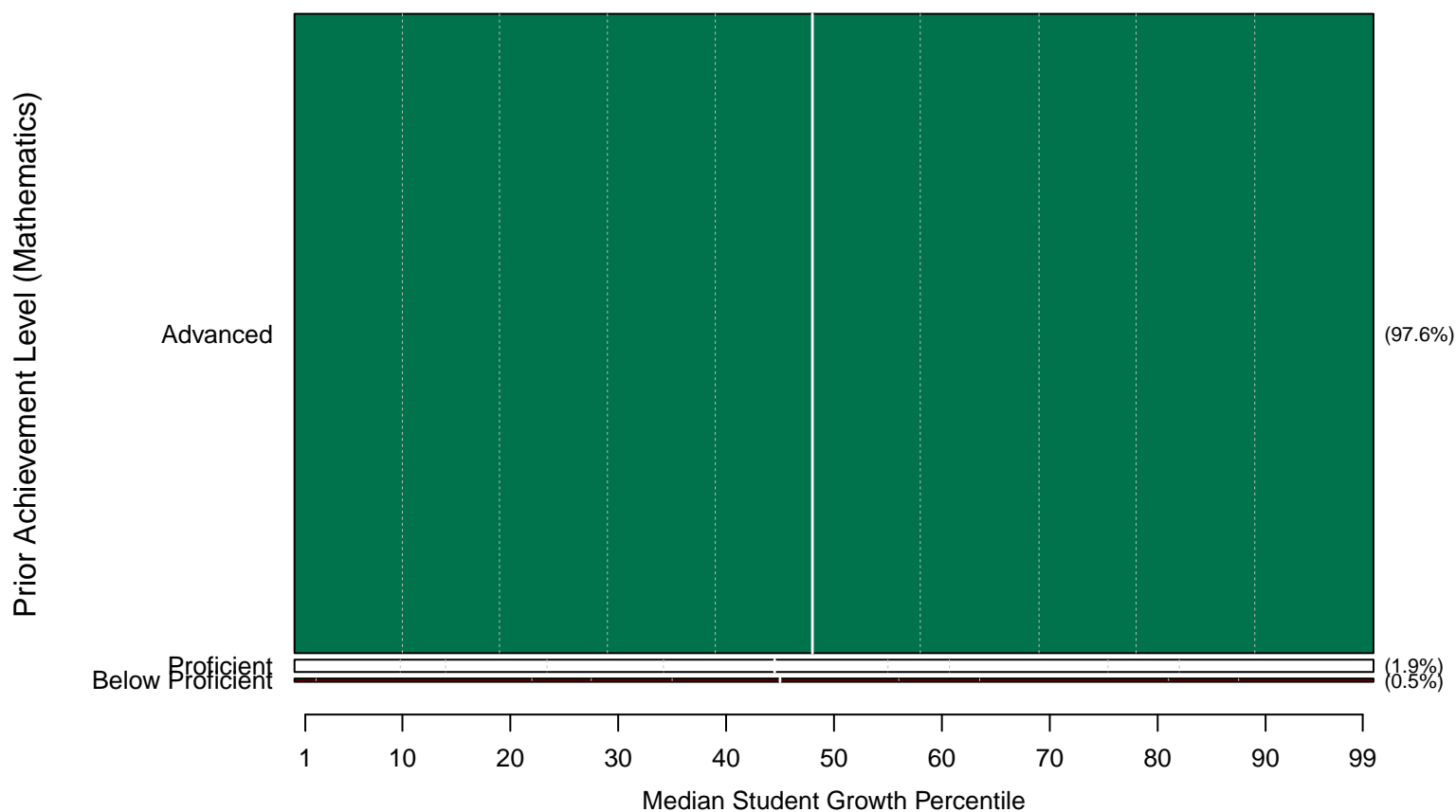# Student Growth Percentile Goodness–of–Fit Descriptives
2011 Algebra I SGP, Grade EOCT (N = 3,194)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced — (97.6%)
- Proficient — (1.9%)
- Below Proficient — (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/[130,170)	9.12	8.07	10.18	11.23	11.93	9.82	7.37	13.33	8.42	10.53	(8.9%)
2nd/[170,173)	10.67	13.67	9.00	9.00	7.67	10.67	10.00	10.33	8.67	10.33	(9.4%)
3rd/[173,176)	10.08	9.81	11.17	9.81	10.63	9.26	11.72	8.17	10.63	8.72	(11.5%)
4th/[176,177)	10.50	12.79	7.76	10.05	8.22	17.81	0.00	7.76	13.70	11.42	(6.9%)
5th/[177,179)	10.23	9.09	7.58	9.09	14.39	9.09	8.33	12.12	13.26	6.82	(8.3%)
6th/[179,180)	11.39	12.10	8.54	8.19	17.08	8.19	8.90	9.25	8.90	7.47	(8.8%)
7th/[180,183)	9.57	9.24	9.90	11.88	6.93	7.59	12.21	12.21	9.90	10.56	(9.5%)
8th/[183,185)	8.28	10.83	11.46	8.92	9.87	13.69	11.46	8.92	11.15	5.41	(9.8%)
9th/[185,189)	8.75	8.08	15.15	9.76	11.11	12.79	0.34	12.79	14.48	6.73	(9.3%)
10th/[189,199]	10.28	11.88	11.70	8.69	10.64	6.74	13.12	6.91	11.52	8.51	(17.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution