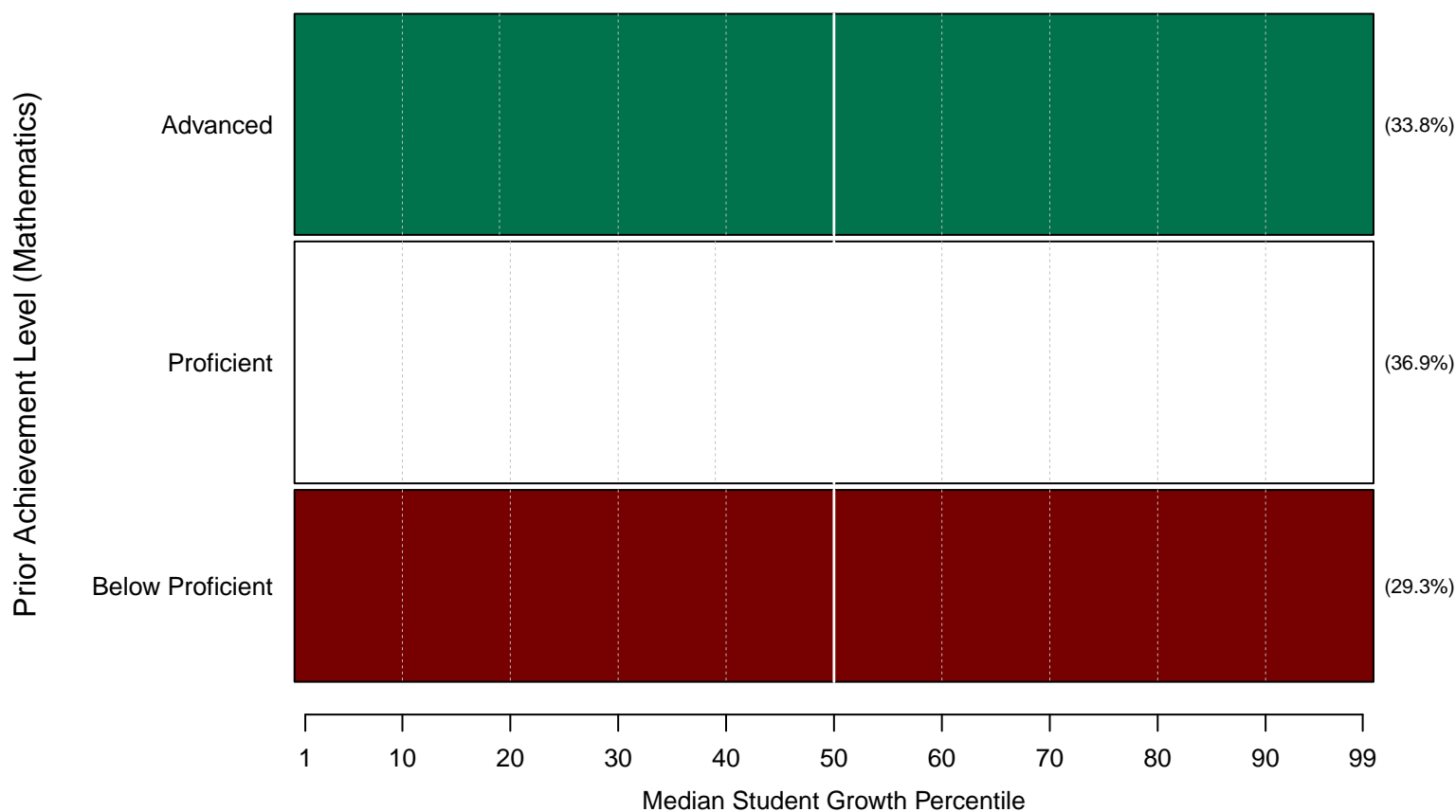# Student Growth Percentile Goodness–of–Fit Descriptives
2011 Pre Algebra SGP, Grade EOCT (N = 10,709)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Advanced	(33.8%)
Proficient	(36.9%)
Below Proficient	(29.3%)

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/[130,152)	10.08	10.37	9.59	9.88	10.08	9.98	9.78	9.30	10.67	10.27	(9.5%)
2nd/[152,156)	9.42	8.72	10.47	10.00	10.58	10.12	10.47	11.16	9.30	9.77	(8%)
3rd/[156,160)	9.16	9.95	10.35	9.71	10.11	10.75	10.11	9.63	9.95	10.27	(11.7%)
4th/[160,162)	9.57	10.27	10.36	11.24	8.96	8.25	9.92	9.83	9.83	11.76	(10.6%)
5th/[162,164)	10.79	10.22	8.15	8.61	9.99	10.91	10.33	9.76	12.06	9.18	(8.1%)
6th/[164,167)	8.66	9.89	10.30	9.48	10.50	10.81	10.09	10.40	8.87	11.01	(9.2%)
7th/[167,169)	9.95	9.33	11.09	11.71	10.05	9.74	9.02	10.16	9.33	9.64	(9%)
8th/[169,173)	9.77	10.62	9.49	9.49	9.56	9.99	9.99	10.06	10.41	10.62	(13.2%)
9th/[173,177)	9.49	9.94	9.94	9.76	10.66	9.49	10.75	9.76	9.76	10.48	(10.3%)
10th/[177,199]	9.95	10.22	10.22	10.04	10.04	9.76	9.58	10.31	9.95	9.95	(10.2%)

*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