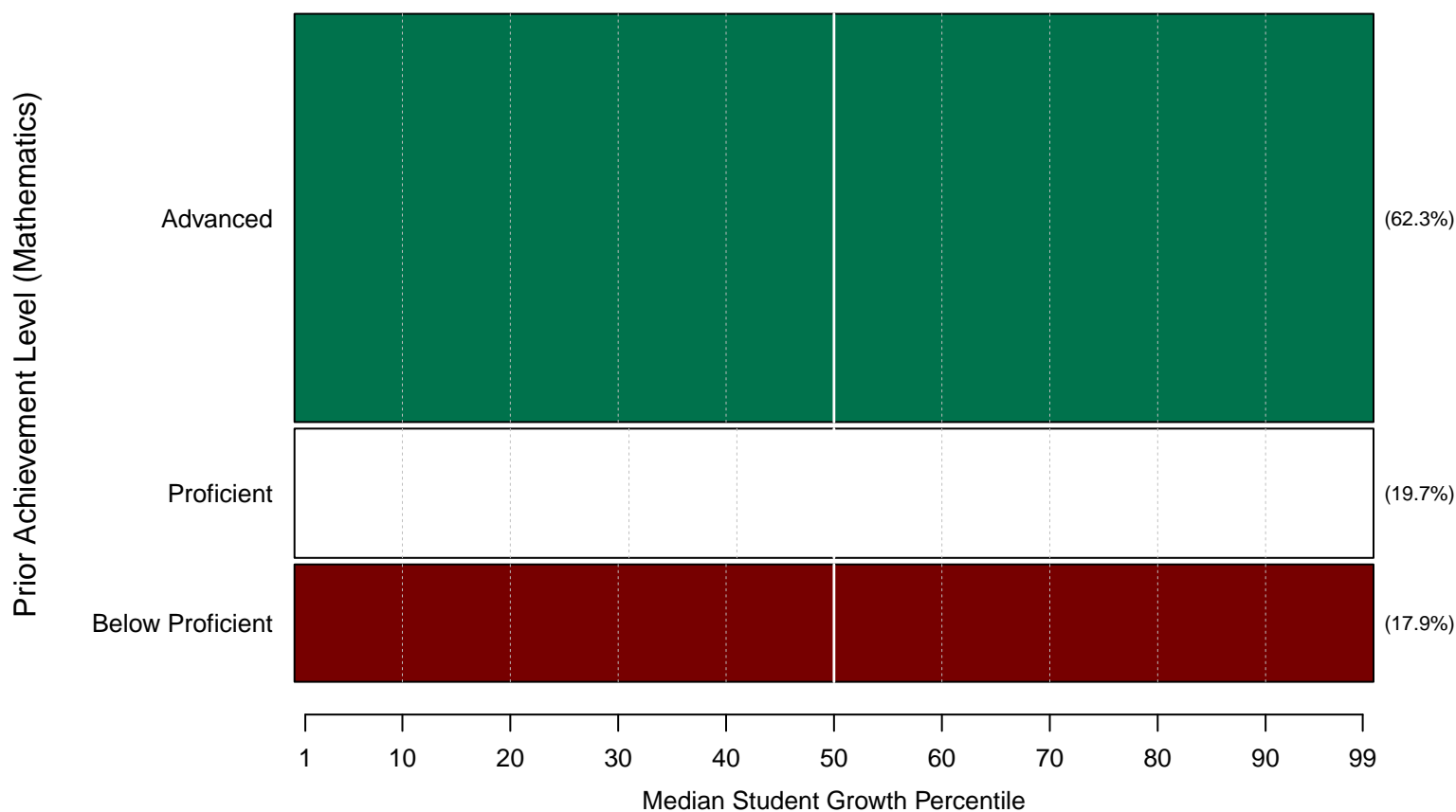# Student Growth Percentile Goodness–of–Fit Descriptives
2012 Pre Algebra SGP, Grade EOCT (N = 18,110)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Advanced	(62.3%)
Proficient	(19.7%)
Below Proficient	(17.9%)

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

Student Growth Percentile Range

Prior Scale Score Decile/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/[130,155)	9.88	9.88	10.45	9.71	10.16	9.94	9.43	9.88	10.11	10.56	(9.8%)
2nd/[155,160)	9.08	10.31	9.15	10.92	9.69	10.10	10.37	10.44	10.03	9.90	(8.1%)
3rd/[160,164)	9.49	10.46	9.45	9.35	9.45	10.60	10.74	9.91	9.77	10.78	(12%)
4th/[164,166)	9.47	8.83	9.96	10.82	11.81	10.18	8.97	9.32	10.39	10.25	(7.8%)
5th/[166,168)	10.26	10.65	12.11	9.81	8.69	8.86	9.98	10.15	9.75	9.75	(9.9%)
6th/[168,171)	9.37	9.83	8.95	10.11	10.16	9.83	9.46	10.67	10.44	11.18	(11.9%)
7th/[171,173)	9.72	9.72	9.97	9.85	10.42	10.42	11.39	9.20	9.33	9.97	(8.6%)
8th/[173,176)	9.09	9.81	9.87	9.99	9.99	10.71	9.75	10.29	9.75	10.77	(9.2%)
9th/[176,180)	9.55	10.79	9.73	9.91	10.02	10.26	9.67	9.07	11.09	9.91	(9.3%)
10th/[180,199]	9.73	9.68	10.30	10.05	9.97	9.64	9.89	10.55	9.52	10.67	(13.5%)

*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