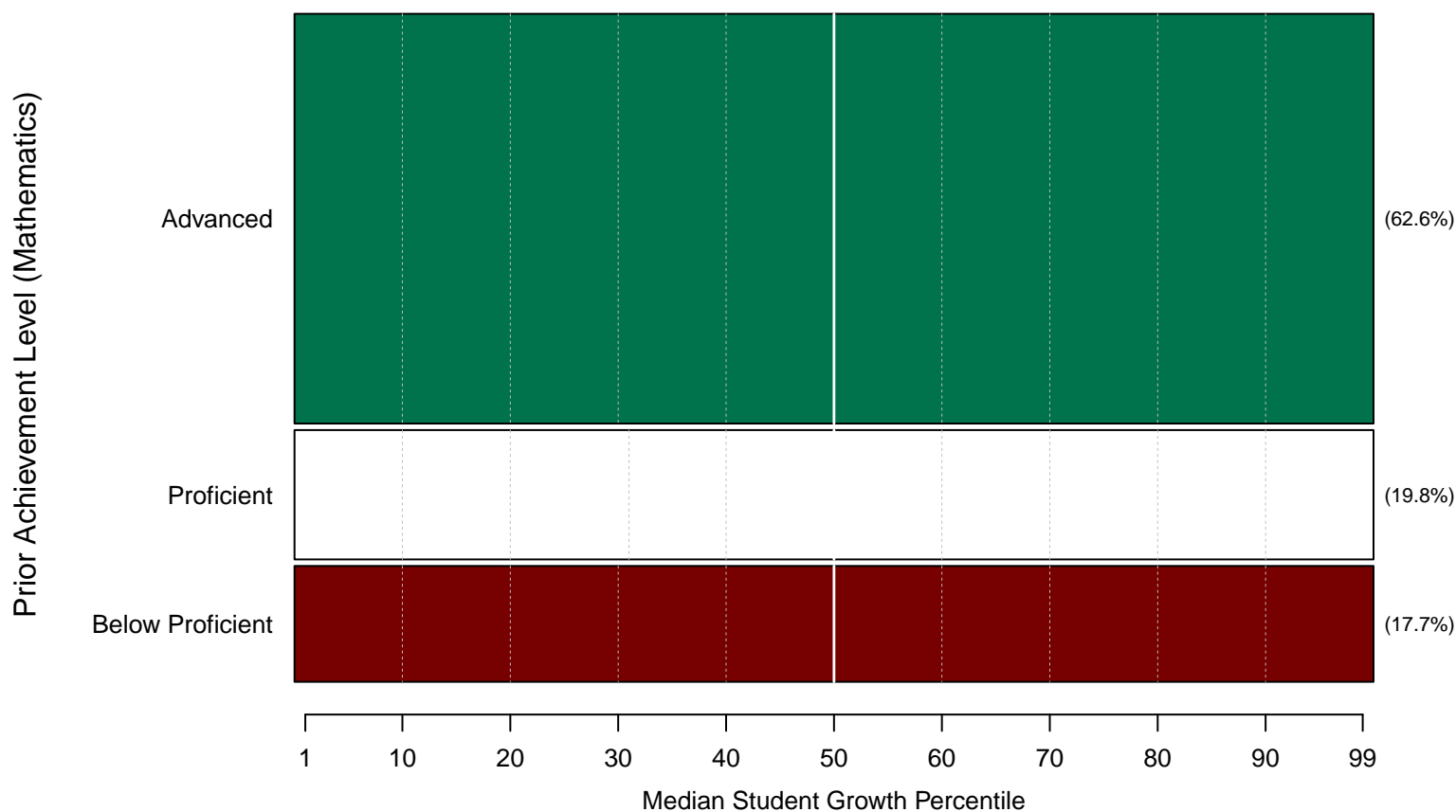# Student Growth Percentile Goodness–of–Fit Descriptives
2012 Pre Algebra SGP, Grade EOCT (N = 17,362)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (62.6%)
- Proficient (19.8%)
- Below Proficient (17.7%)

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/[130,155)	10.07	9.65	10.31	10.49	10.01	9.71	9.65	9.59	9.89	10.61	(9.6%)
2nd/[155,160)	8.84	10.55	9.48	9.76	10.12	10.26	10.33	10.62	10.19	9.84	(8.1%)
3rd/[160,164)	9.60	10.12	9.55	9.26	9.74	10.60	10.12	10.27	9.98	10.75	(12%)
4th/[164,166)	9.29	8.85	10.26	11.08	11.38	10.04	9.37	9.07	10.11	10.56	(7.7%)
5th/[166,168)	10.37	11.18	11.42	10.31	8.44	8.68	10.72	10.02	9.20	9.67	(9.9%)
6th/[168,171)	9.45	9.54	9.16	10.13	9.93	9.98	9.50	10.37	11.00	10.95	(11.9%)
7th/[171,173)	9.71	9.58	10.45	8.91	11.19	10.58	10.31	9.98	8.84	10.45	(8.6%)
8th/[173,176)	9.04	10.29	9.41	9.85	10.04	10.54	9.98	10.41	9.60	10.85	(9.2%)
9th/[176,180)	9.91	10.34	9.85	10.22	9.61	9.79	10.40	9.24	10.83	9.79	(9.4%)
10th/[180,199)	9.57	9.70	10.17	10.30	9.96	9.87	9.79	10.21	9.91	10.51	(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