Student Growth Percentile Goodness–of–Fit Descriptives
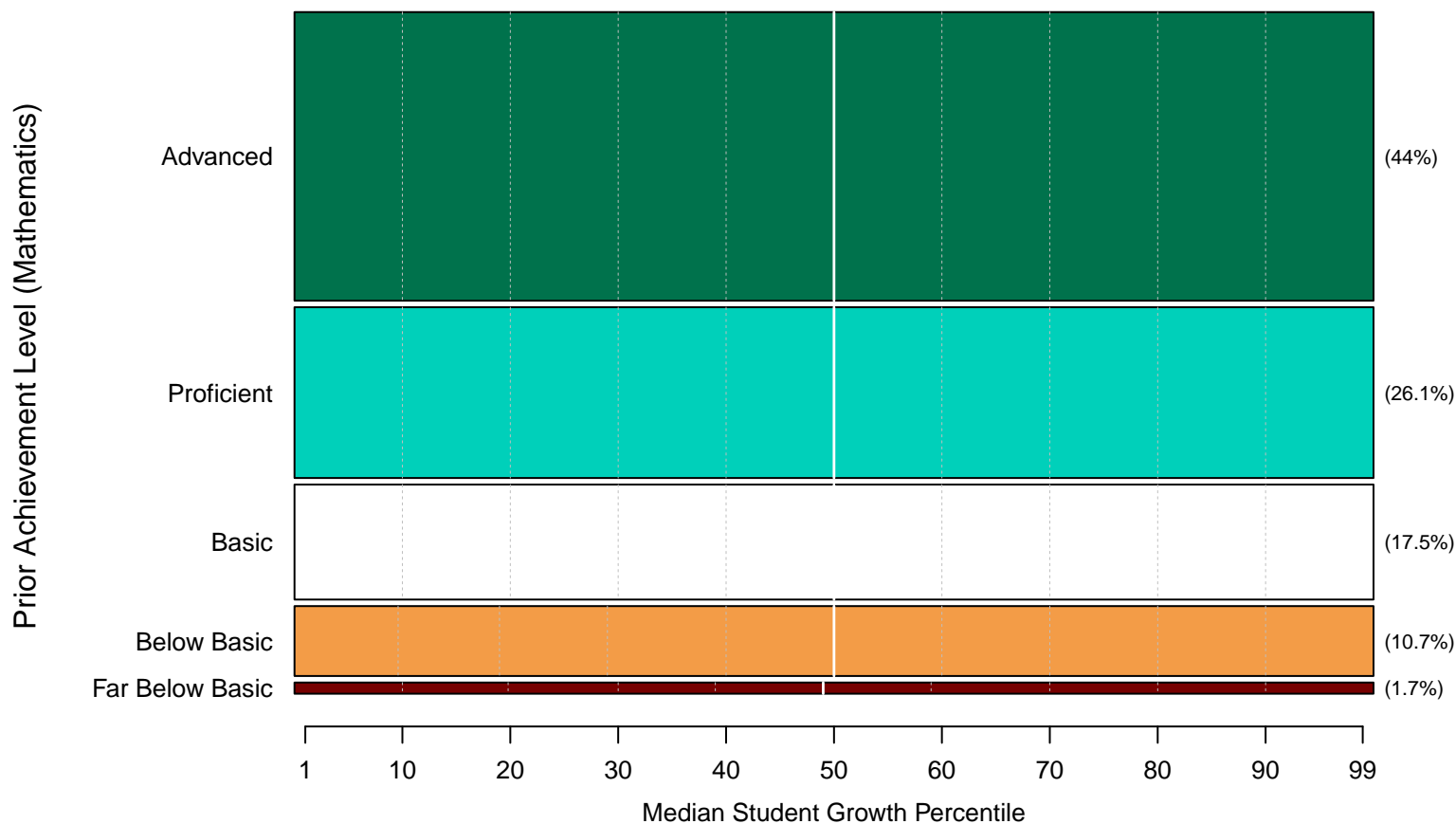## 2012 Mathematics SGP, Grade 5 (N = 42,266)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Advanced	(44%)
Proficient	(26.1%)
Basic	(17.5%)
Below Basic	(10.7%)
Far Below Basic	(1.7%)

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/[150,291)	9.46	10.23	9.80	9.80	9.66	10.25	10.20	10.20	10.10	10.30	(9.6%)
2nd/[291,325)	10.17	10.08	10.17	10.28	9.85	9.34	9.73	9.82	10.01	10.56	(10.2%)
3rd/[325,350)	8.77	9.96	9.73	10.33	10.15	10.69	9.68	9.94	10.01	10.76	(10.1%)
4th/[350,370)	9.41	9.73	10.44	9.95	9.63	9.48	10.71	10.37	10.22	10.05	(9.6%)
5th/[370,389)	10.16	10.13	9.64	9.90	10.13	9.38	9.74	10.11	10.05	10.75	(9.1%)
6th/[389,403)	9.69	10.44	10.34	9.30	9.79	10.83	9.69	10.24	8.75	10.92	(7.3%)
7th/[403,432)	9.14	9.60	9.69	10.50	10.48	9.57	10.32	10.21	9.94	10.54	(13.2%)
8th/[432,463)	10.33	10.33	9.59	9.91	9.37	10.71	10.40	9.02	11.18	9.17	(10.6%)
9th/[463,486)	9.20	10.02	10.23	10.39	9.77	9.69	8.99	10.52	10.60	10.60	(5.7%)
10th/[486,600]	9.61	9.95	10.19	9.88	10.05	10.41	10.08	10.68	8.76	10.39	(14.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution