Student Growth Percentile Goodness–of–Fit Descriptives
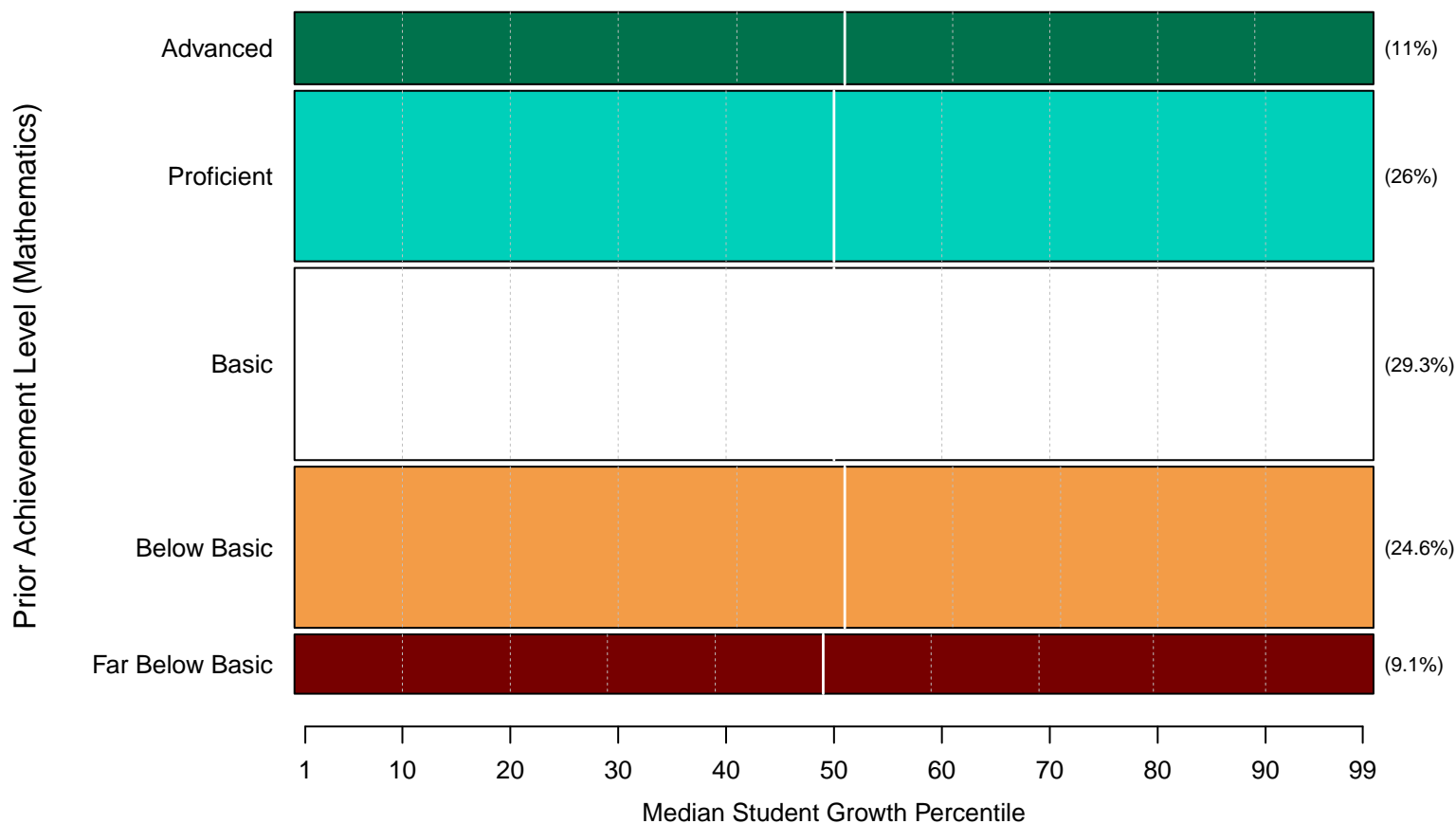
2012 Mathematics SGP, Grade 7 (N = 34,612)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Achievement Level	Percentage
Advanced	(11%)
Proficient	(26%)
Basic	(29.3%)
Below Basic	(24.6%)
Far Below Basic	(9.1%)

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/[163,255)	9.38	10.34	10.69	9.61	10.34	10.12	10.09	9.42	9.26	10.76	(9.1%)
2nd/[255,278)	9.73	10.13	9.73	10.13	9.90	9.62	9.88	10.13	10.16	10.58	(10.2%)
3rd/[278,294)	9.26	9.81	9.69	9.54	9.38	10.03	10.12	10.74	10.50	10.93	(9.3%)
4th/[294,311)	9.45	10.04	9.57	10.42	10.63	10.07	10.39	9.74	9.66	10.04	(9.8%)
5th/[311,327)	9.89	10.32	10.74	10.32	9.91	9.97	9.23	9.94	9.68	10.00	(10.1%)
6th/[327,344)	9.27	10.19	9.92	9.48	9.86	9.69	10.07	10.22	10.25	11.05	(9.8%)
7th/[344,362)	8.95	9.56	9.50	9.53	9.71	10.74	10.99	10.35	10.05	10.62	(9.5%)
8th/[362,388)	9.36	9.85	10.31	10.43	9.74	9.90	10.23	9.87	9.59	10.72	(11.3%)
9th/[388,420)	9.75	10.36	10.10	10.48	10.22	9.69	9.46	9.69	10.04	10.22	(9.9%)
10th/[420,600]	9.39	9.73	9.84	9.79	10.08	10.31	10.29	10.42	10.15	10.00	(11%)

*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