Student Growth Percentile Goodness–of–Fit Descriptives
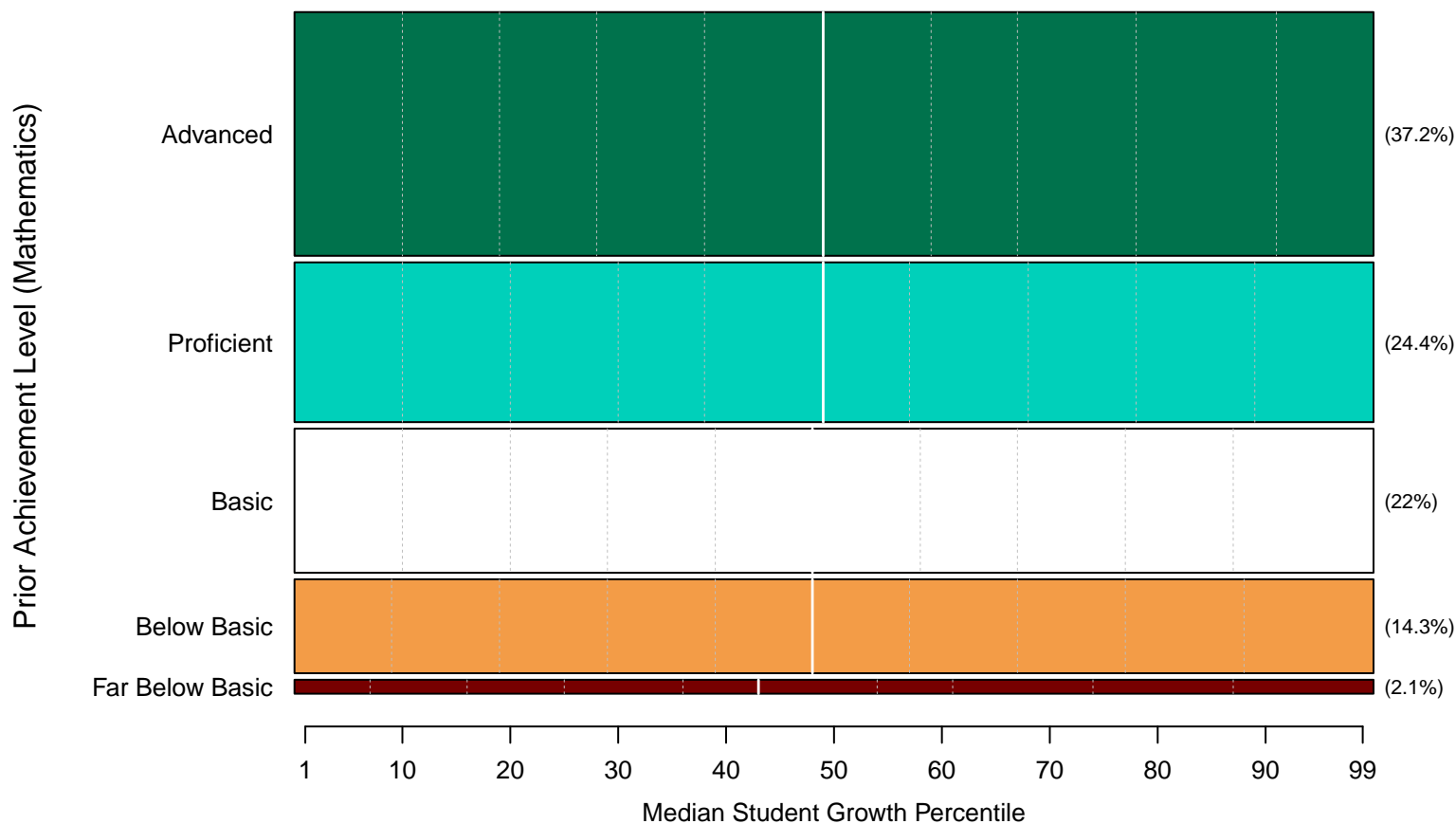
2010 Mathematics SGP, Grade 5 (N = 45,024)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Advanced	(37.2%)
Proficient	(24.4%)
Basic	(22%)
Below Basic	(14.3%)
Far Below Basic	(2.1%)

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/[163,279)	11.19	10.47	10.71	10.45	10.43	10.09	9.52	9.31	9.33	8.50	(9.3%)
2nd/[279,307)	10.64	9.84	10.73	9.33	11.31	10.42	10.06	10.31	8.77	8.57	(10%)
3rd/[307,330)	9.71	10.99	10.10	10.97	10.01	11.15	9.53	10.31	8.82	8.41	(9.7%)
4th/[330,351)	9.44	9.13	11.56	9.46	11.41	10.33	9.60	10.94	9.91	8.21	(9.4%)
5th/[351,370)	9.62	10.76	10.91	10.01	12.48	8.00	11.02	8.79	10.08	8.33	(9.5%)
6th/[370,394)	9.14	9.77	9.65	11.44	10.75	8.89	11.40	9.77	8.60	10.60	(11.6%)
7th/[394,410)	9.39	10.93	9.80	9.70	10.68	12.25	8.91	9.98	7.78	10.58	(7.1%)
8th/[410,443)	9.81	10.59	11.50	9.35	11.34	9.85	9.50	10.73	8.12	9.21	(12.6%)
9th/[443,482)	9.34	11.26	9.57	12.08	11.06	9.12	6.13	13.50	8.03	9.91	(9.8%)
10th/[482,600]	9.44	11.33	10.99	11.25	8.57	9.50	16.37	8.00	3.67	10.89	(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