Student Growth Percentile Goodness–of–Fit Descriptives
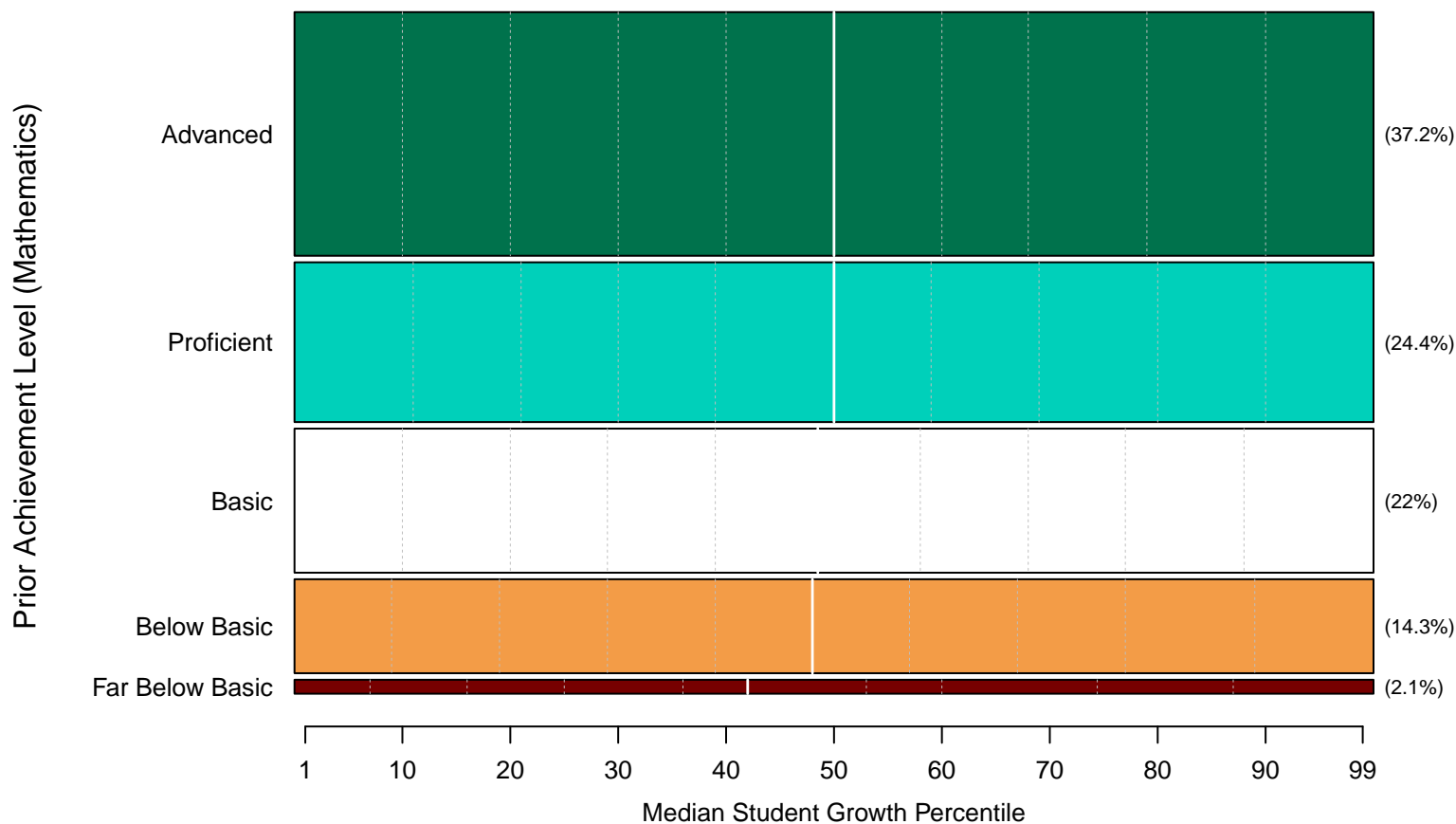
2010 Mathematics SGP, Grade 5 (N = 45,054)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	%
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)	11.17	10.43	10.70	10.91	10.03	10.58	9.58	8.41	9.27	8.91	(9.3%)
2nd/[279,307)	10.64	9.83	10.72	9.34	11.33	11.17	9.34	10.06	8.63	8.94	(10%)
3rd/[307,330)	9.71	10.98	10.09	10.96	10.00	10.12	10.60	10.28	8.18	9.09	(9.7%)
4th/[330,351)	9.43	9.13	10.61	10.42	10.52	10.42	9.64	9.97	10.94	8.92	(9.4%)
5th/[351,370)	9.65	10.07	10.61	10.99	9.63	10.82	11.04	7.83	9.54	9.82	(9.5%)
6th/[370,394)	9.15	8.96	10.47	10.32	9.03	11.72	8.04	11.20	9.99	11.12	(11.6%)
7th/[394,410)	8.66	10.45	9.25	11.43	8.15	12.28	11.43	8.06	9.73	10.58	(7.1%)
8th/[410,443)	9.81	10.58	10.23	9.41	10.79	10.09	9.46	7.74	12.68	9.21	(12.6%)
9th/[443,482)	9.38	9.76	9.04	11.39	10.42	9.58	9.02	10.49	8.84	12.09	(9.8%)
10th/[482,600]	9.07	11.69	9.58	10.30	8.51	8.63	16.35	11.31	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