Student Growth Percentile Goodness–of–Fit Descriptives
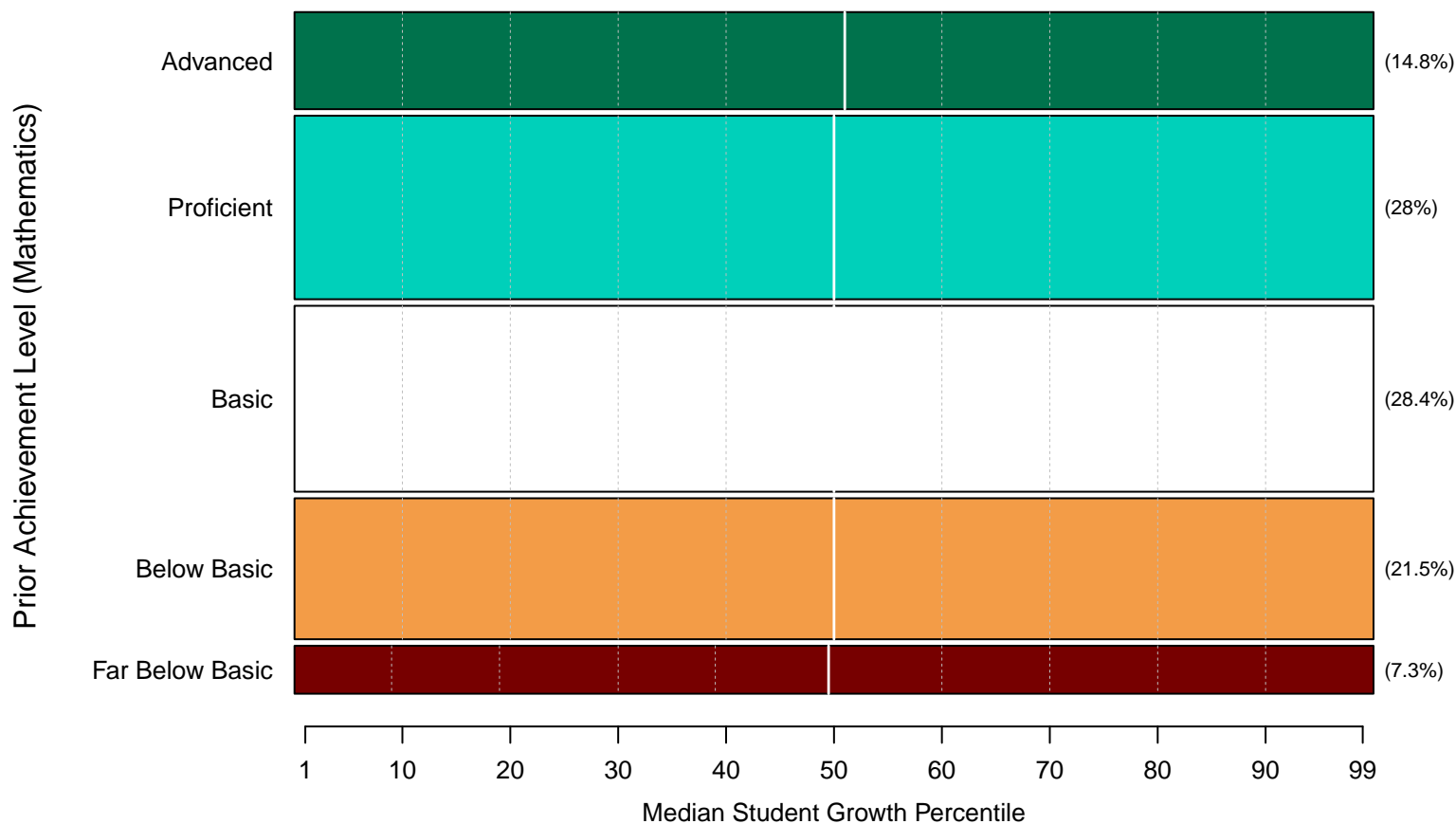
2013 Science SGP, Grade 8 (N = 32,005)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Advanced	(14.8%)
Proficient	(28%)
Basic	(28.4%)
Below Basic	(21.5%)
Far Below Basic	(7.3%)

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/[168,262)	9.94	10.11	10.08	10.15	9.81	9.77	9.64	10.08	10.15	10.28	(9.2%)
2nd/[262,285)	8.97	9.68	9.86	9.56	10.33	10.48	10.42	9.71	10.01	10.98	(10.6%)
3rd/[285,302)	10.14	10.07	10.14	10.21	9.80	9.45	9.59	10.97	9.83	9.80	(9.1%)
4th/[302,318)	9.41	10.31	10.40	9.83	10.53	9.99	10.31	9.10	9.54	10.59	(9.8%)
5th/[318,335)	9.15	9.52	9.49	10.06	9.72	10.20	9.86	10.23	10.57	11.21	(9.2%)
6th/[335,356)	9.80	10.47	9.91	9.88	9.75	9.99	10.18	9.99	10.15	9.88	(11.6%)
7th/[356,374)	9.79	9.48	10.13	9.99	10.02	10.02	10.09	10.16	9.14	11.18	(9.2%)
8th/[374,401)	9.02	10.20	10.50	10.00	10.17	10.03	9.76	9.82	10.38	10.12	(10.6%)
9th/[401,435)	9.79	10.45	9.52	10.84	9.72	10.15	9.82	9.69	10.28	9.75	(9.5%)
10th/[435,600]	9.52	9.63	10.05	9.60	10.08	9.99	9.88	10.36	10.02	10.86	(11.2%)

*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