Student Growth Percentile Goodness–of–Fit Descriptives
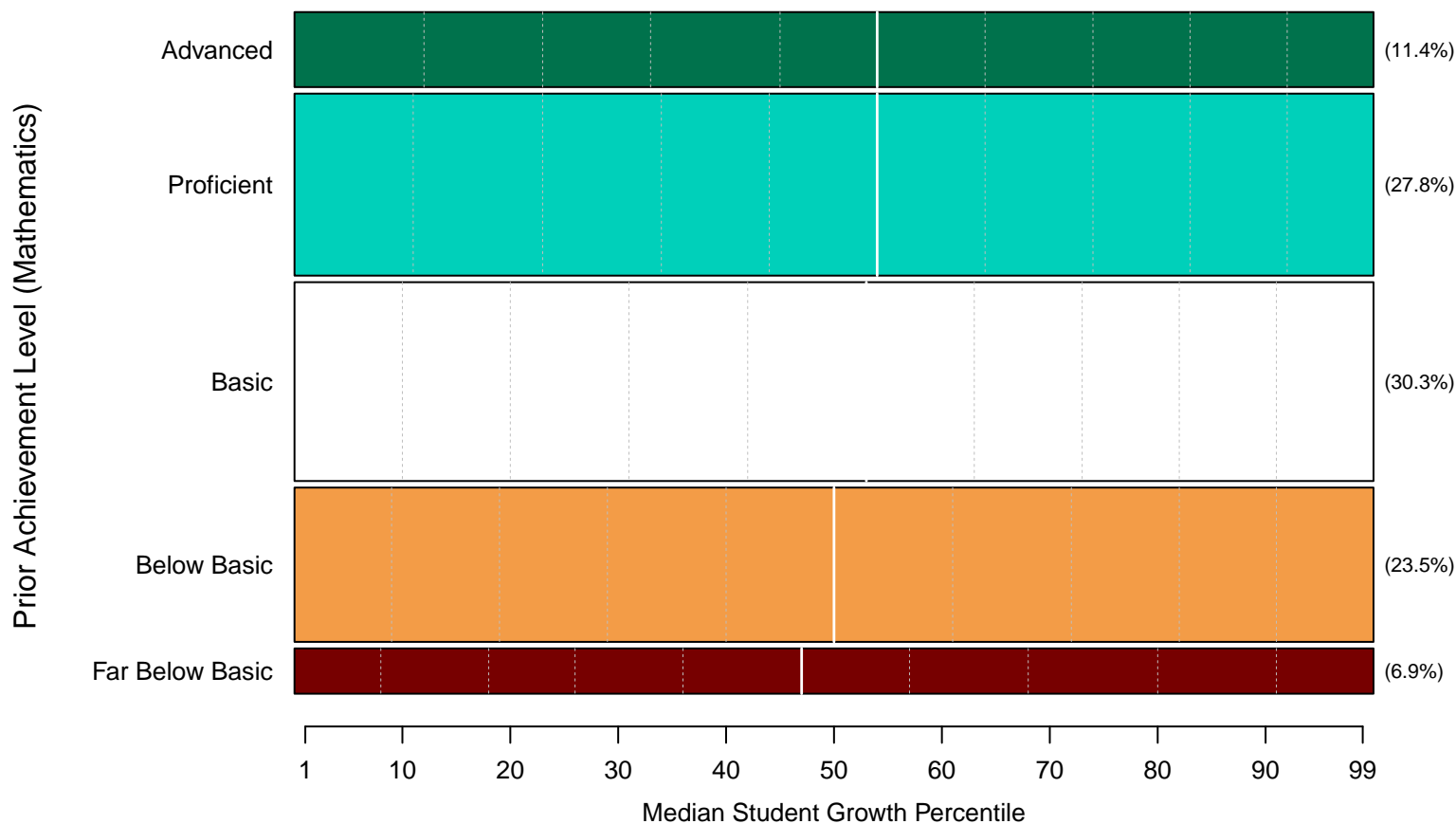## 2012 Science SGP, Grade 8 (N = 33,199)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Advanced	(11.4%)
Proficient	(27.8%)
Basic	(30.3%)
Below Basic	(23.5%)
Far Below Basic	(6.9%)

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/[150,263)	11.19	10.48	11.13	10.48	9.53	9.12	8.92	8.21	9.02	11.91	(8.9%)
2nd/[263,281)	10.52	10.38	9.30	9.84	8.29	9.44	8.79	10.38	11.30	11.77	(8.9%)
3rd/[281,298)	10.04	9.62	10.34	9.44	9.44	9.95	9.09	9.15	11.05	11.88	(10.1%)
4th/[298,315)	9.99	9.93	9.78	9.87	9.37	8.98	9.01	9.46	10.93	12.68	(10.2%)
5th/[315,331)	10.05	10.14	8.56	8.44	8.94	10.05	10.23	10.43	11.14	12.02	(10.3%)
6th/[331,348)	9.65	9.23	9.56	9.89	8.93	9.86	10.56	9.98	10.26	12.07	(10%)
7th/[348,365)	8.33	7.86	8.99	9.42	9.96	9.24	11.21	9.99	11.08	13.93	(9.6%)
8th/[365,390)	8.50	9.52	9.23	8.72	9.71	10.25	9.76	10.92	11.21	12.18	(11.2%)
9th/[390,420)	8.28	8.44	10.24	8.73	10.66	10.40	10.79	9.15	11.69	11.63	(9.4%)
10th/[420,600]	7.98	9.16	9.27	9.06	9.16	10.34	10.03	11.32	10.74	12.95	(11.4%)

*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