Student Growth Percentile Goodness–of–Fit Descriptives
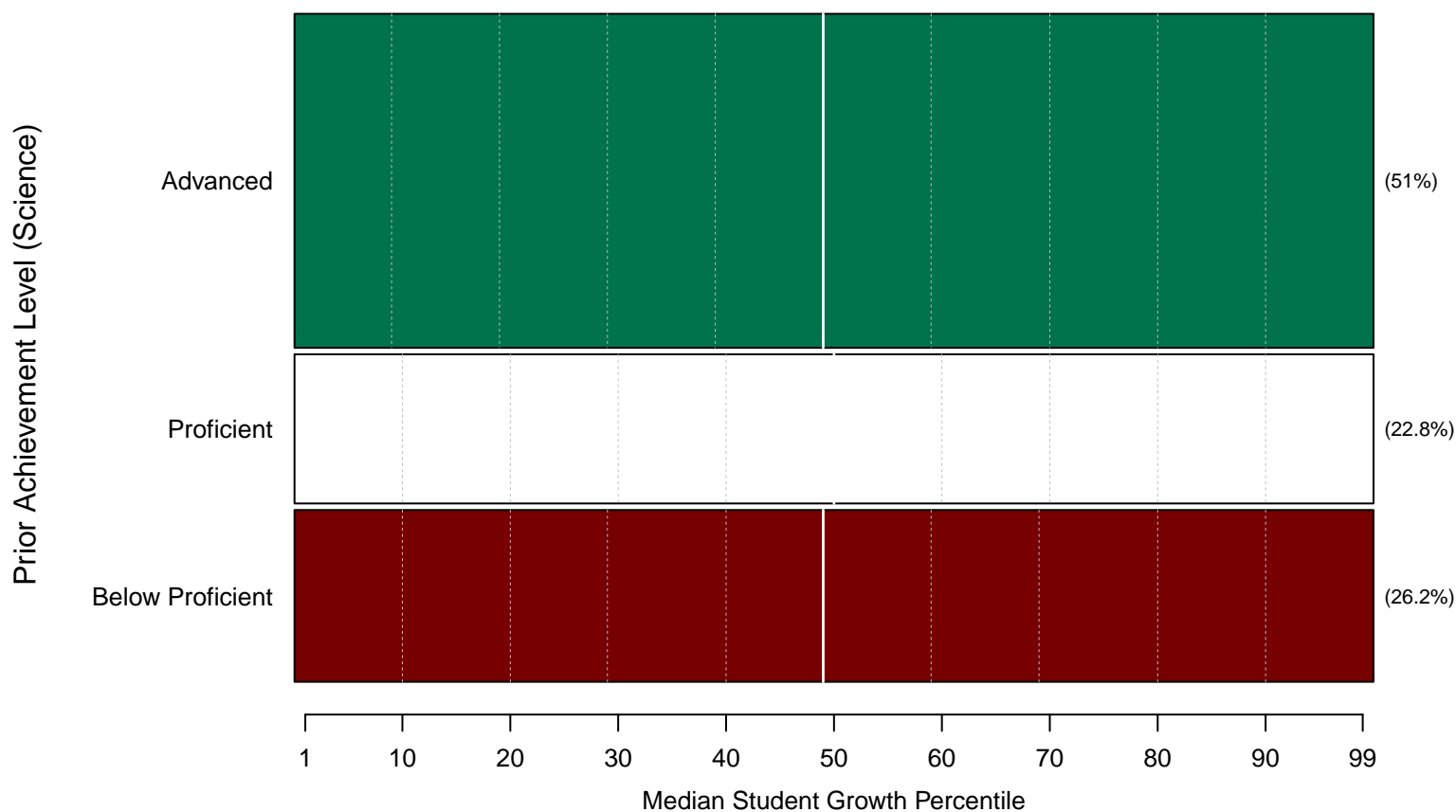
2011 Science SGP, Grade 8 (N = 38,321)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

Advanced	(51%)
Proficient	(22.8%)
Below Proficient	(26.2%)

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/[130,152)	9.89	9.48	10.80	10.66	10.14	9.71	10.00	10.09	9.57	9.66	(9.1%)
2nd/[152,157)	9.93	10.55	9.12	9.15	10.09	9.91	10.01	9.82	10.42	10.99	(9.6%)
3rd/[157,161)	8.94	9.69	10.99	9.98	10.43	10.65	9.61	9.36	10.06	10.30	(9.8%)
4th/[161,164)	10.67	9.59	10.29	10.24	9.67	9.24	9.87	10.19	9.69	10.55	(10.4%)
5th/[164,167)	9.32	10.63	9.75	9.78	10.11	9.55	10.50	10.01	9.57	10.78	(10.1%)
6th/[167,169)	9.51	10.41	10.08	9.44	10.14	10.71	9.08	9.81	9.78	11.04	(7.8%)
7th/[169,172)	10.57	9.75	10.25	10.15	9.99	9.73	9.50	9.69	10.63	9.71	(13.1%)
8th/[172,175)	8.97	10.53	10.59	10.21	9.81	9.92	10.24	9.92	9.52	10.27	(9%)
9th/[175,179)	11.26	10.11	10.17	9.28	9.98	9.79	9.88	9.79	9.37	10.36	(8.2%)
10th/[179,199]	10.15	9.70	9.54	10.29	10.07	9.99	9.84	10.01	9.97	10.45	(12.9%)

*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