Student Growth Percentile Goodness–of–Fit Descriptives
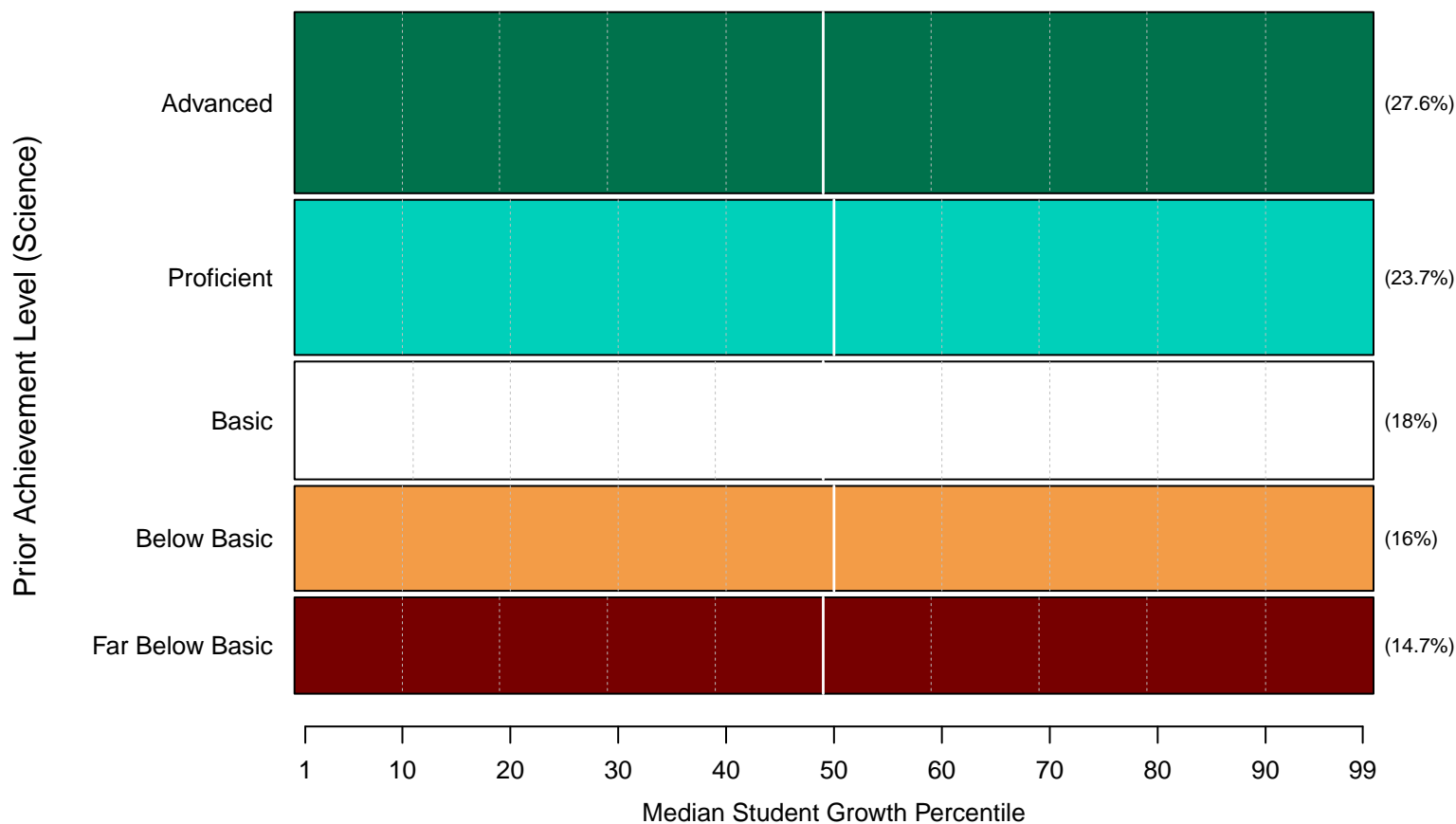
2010 Biology SGP, Grade EOCT (N = 16,888)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

Level	Percent
Advanced	(27.6%)
Proficient	(23.7%)
Basic	(18%)
Below Basic	(16%)
Far Below Basic	(14.7%)

Median Student Growth Percentile

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/[150,235)	9.58	10.18	9.88	10.30	10.61	9.39	10.18	10.42	9.21	10.24	(9.8%)
2nd/[235,267)	9.60	10.99	11.47	8.21	11.06	9.32	9.18	10.92	9.11	10.15	(8.5%)
3rd/[267,298)	10.15	8.69	10.39	9.51	10.27	10.27	9.57	10.45	9.45	11.27	(10.1%)
4th/[298,324)	10.29	10.23	10.16	8.09	10.48	10.23	10.92	7.78	11.61	10.23	(9.4%)
5th/[324,350)	8.17	11.66	9.59	11.98	9.10	9.31	9.48	11.33	8.88	10.51	(10.9%)
6th/[350,371)	10.21	8.41	10.35	9.61	9.55	12.02	9.61	10.28	9.61	10.35	(8.9%)
7th/[371,402)	9.58	9.88	10.89	9.43	11.19	7.81	11.59	9.22	9.53	10.89	(11.7%)
8th/[402,429)	10.20	11.07	9.93	9.26	8.59	14.30	7.58	9.66	10.00	9.40	(8.8%)
9th/[429,477)	9.23	9.51	10.80	9.63	11.42	8.17	8.95	10.46	11.08	10.74	(10.6%)
10th/[477,600]	10.12	10.28	9.44	10.28	9.81	10.38	10.70	10.85	8.50	9.65	(11.3%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution