Student Growth Percentile Goodness–of–Fit Descriptives
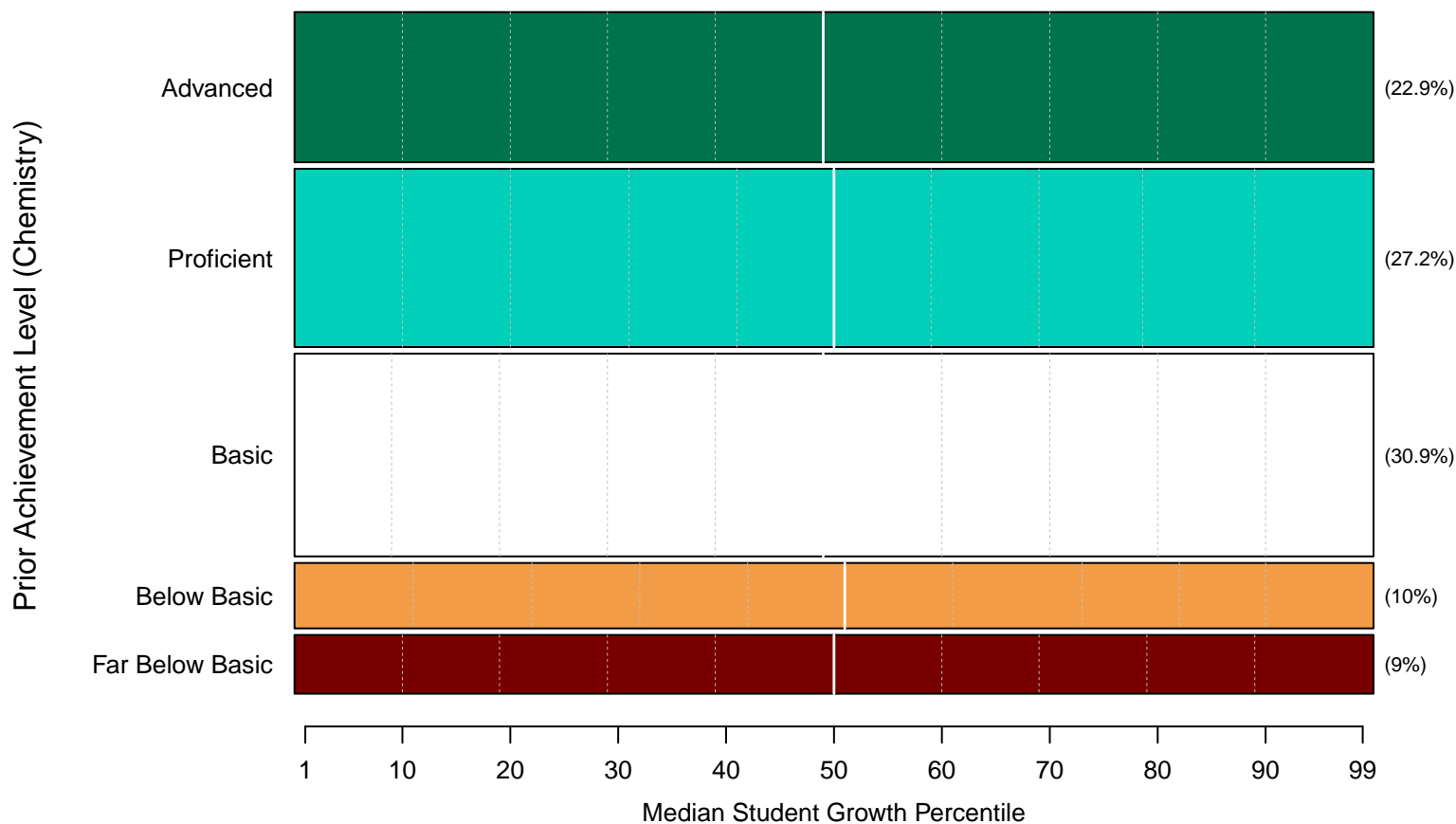
2013 Physics SGP, Grade EOCT (N = 4,718)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Chemistry)

Level	Percentage
Advanced	(22.9%)
Proficient	(27.2%)
Basic	(30.9%)
Below Basic	(10%)
Far Below Basic	(9%)

X-axis: 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/[202,278)	9.46	10.87	10.17	9.69	9.69	9.93	10.64	9.93	9.93	9.69	(9%)
2nd/[278,300)	9.34	7.64	10.83	9.77	9.98	10.83	8.92	9.55	12.10	11.04	(10%)
3rd/[300,317)	11.49	12.96	9.05	9.05	10.02	8.80	10.27	9.78	9.05	9.54	(8.7%)
4th/[317,334)	8.42	9.22	9.82	11.22	11.02	10.42	12.42	11.22	8.02	8.22	(10.6%)
5th/[334,351)	10.69	9.24	11.78	7.79	10.51	7.97	7.43	9.60	11.96	13.04	(11.7%)
6th/[351,364)	9.78	11.78	9.56	11.56	9.11	11.33	10.67	8.67	8.67	8.89	(9.5%)
7th/[364,378)	8.09	9.14	9.14	10.44	8.36	12.53	11.23	8.88	9.66	12.53	(8.1%)
8th/[378,397)	9.64	9.47	10.33	9.47	10.50	10.33	8.95	12.39	10.50	8.43	(12.3%)
9th/[397,425)	10.53	9.38	8.70	9.84	10.76	8.70	9.84	8.92	10.07	13.27	(9.3%)
10th/[425,600]	9.55	10.53	10.53	10.72	9.55	9.75	10.33	10.14	10.14	8.77	(10.9%)

*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