Student Growth Percentile Goodness–of–Fit Descriptives
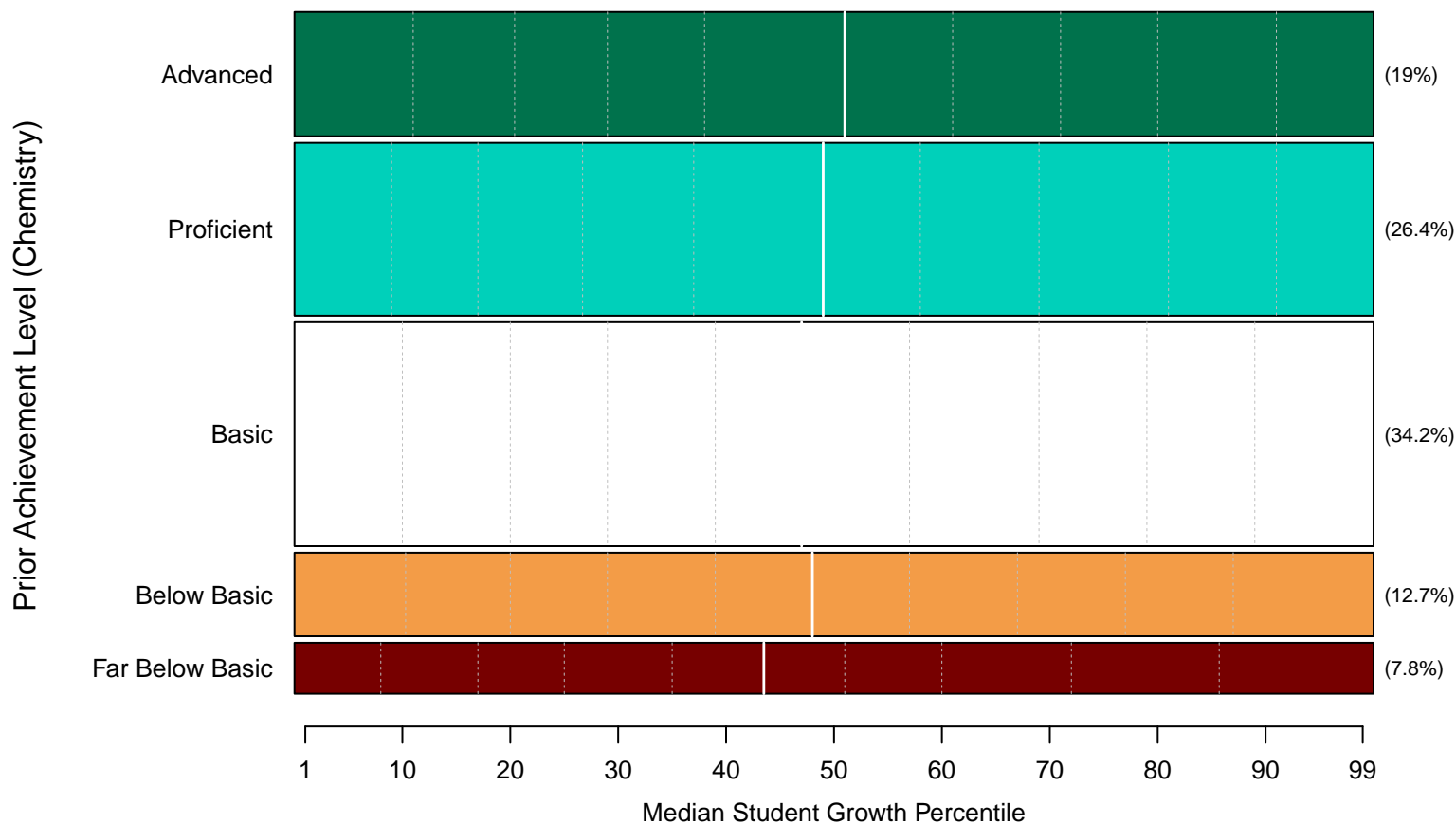
2012 Physics SGP, Grade EOCT (N = 4,817)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Chemistry)

- Advanced (19%)
- Proficient (26.4%)
- Basic (34.2%)
- Below Basic (12.7%)
- Far Below Basic (7.8%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

Student Growth Percentile Range

Prior Scale Score Decile/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/[202,280)	10.53	12.72	12.72	10.96	10.31	11.84	8.55	8.99	7.02	6.36	(9.5%)
2nd/[280,298)	9.42	9.66	9.66	11.11	10.63	9.42	9.90	11.59	9.42	9.18	(8.6%)
3rd/[298,314)	11.68	9.50	9.31	12.87	9.90	10.30	8.91	8.51	9.11	9.90	(10.5%)
4th/[314,331)	8.03	9.31	12.96	8.76	11.86	10.95	9.12	7.85	11.13	10.04	(11.4%)
5th/[331,345)	7.00	12.80	9.42	9.66	13.04	8.21	8.94	12.56	8.94	9.42	(8.6%)
6th/[345,359)	13.01	9.59	11.09	10.45	8.96	10.87	8.74	8.74	10.66	7.89	(9.7%)
7th/[359,374)	10.28	12.63	10.28	9.42	8.57	9.21	7.28	8.78	11.99	11.56	(9.7%)
8th/[374,392)	8.89	11.52	10.30	7.68	11.52	11.92	10.71	7.27	8.08	12.12	(10.3%)
9th/[392,422)	10.67	10.31	11.39	8.14	7.41	9.95	9.76	9.04	10.67	12.66	(11.5%)
10th/[422,600]	9.68	10.28	12.50	9.27	7.66	10.69	11.09	9.88	8.67	10.28	(10.3%)

*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