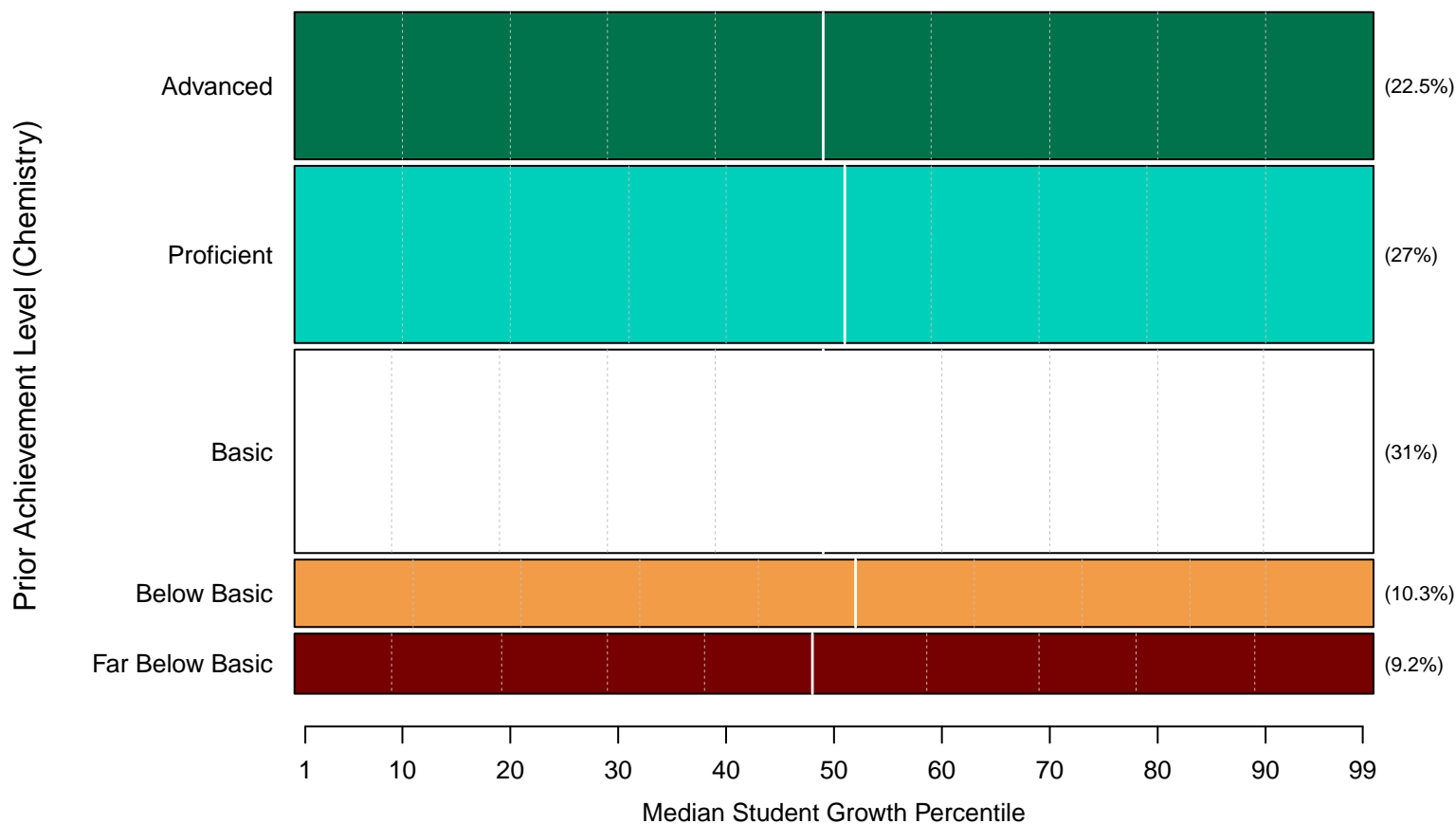# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Physics SGP, Grade EOCT (N = 5,035)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Chemistry)

- Advanced (22.5%)
- Proficient (27%)
- Basic (31%)
- Below Basic (10.3%)
- Far Below Basic (9.2%)

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

Student Growth Percentile Range

Prior Scale Score Decile/Range *

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)	10.39	9.74	10.39	9.96	10.61	9.52	11.26	8.87	9.31	9.96	(9.2%)
2nd/[278,300)	9.27	8.88	9.46	9.85	9.46	9.65	10.04	9.65	12.36	11.39	(10.3%)
3rd/[300,317)	11.70	11.47	11.01	9.63	9.40	9.17	10.32	10.32	7.57	9.40	(8.7%)
4th/[317,334)	9.04	7.93	10.33	10.33	10.52	12.36	9.96	9.96	10.70	8.86	(10.8%)
5th/[334,347)	9.00	10.71	11.92	9.98	8.03	7.54	9.00	9.25	11.92	12.65	(8.2%)
6th/[347,362)	10.75	11.32	10.75	9.40	10.17	8.64	10.56	10.17	7.68	10.56	(10.3%)
7th/[362,378)	8.30	8.67	9.04	10.89	11.99	9.78	11.99	8.30	8.67	12.36	(10.8%)
8th/[378,396)	9.53	11.65	7.20	9.96	8.47	12.92	9.53	11.23	11.02	8.47	(9.4%)
9th/[396,425)	10.35	8.85	11.35	10.18	9.85	9.18	7.68	10.18	11.35	11.02	(11.9%)
10th/[425,600]	9.59	10.53	9.77	10.34	10.53	10.34	10.90	9.59	9.21	9.21	(10.6%)

*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