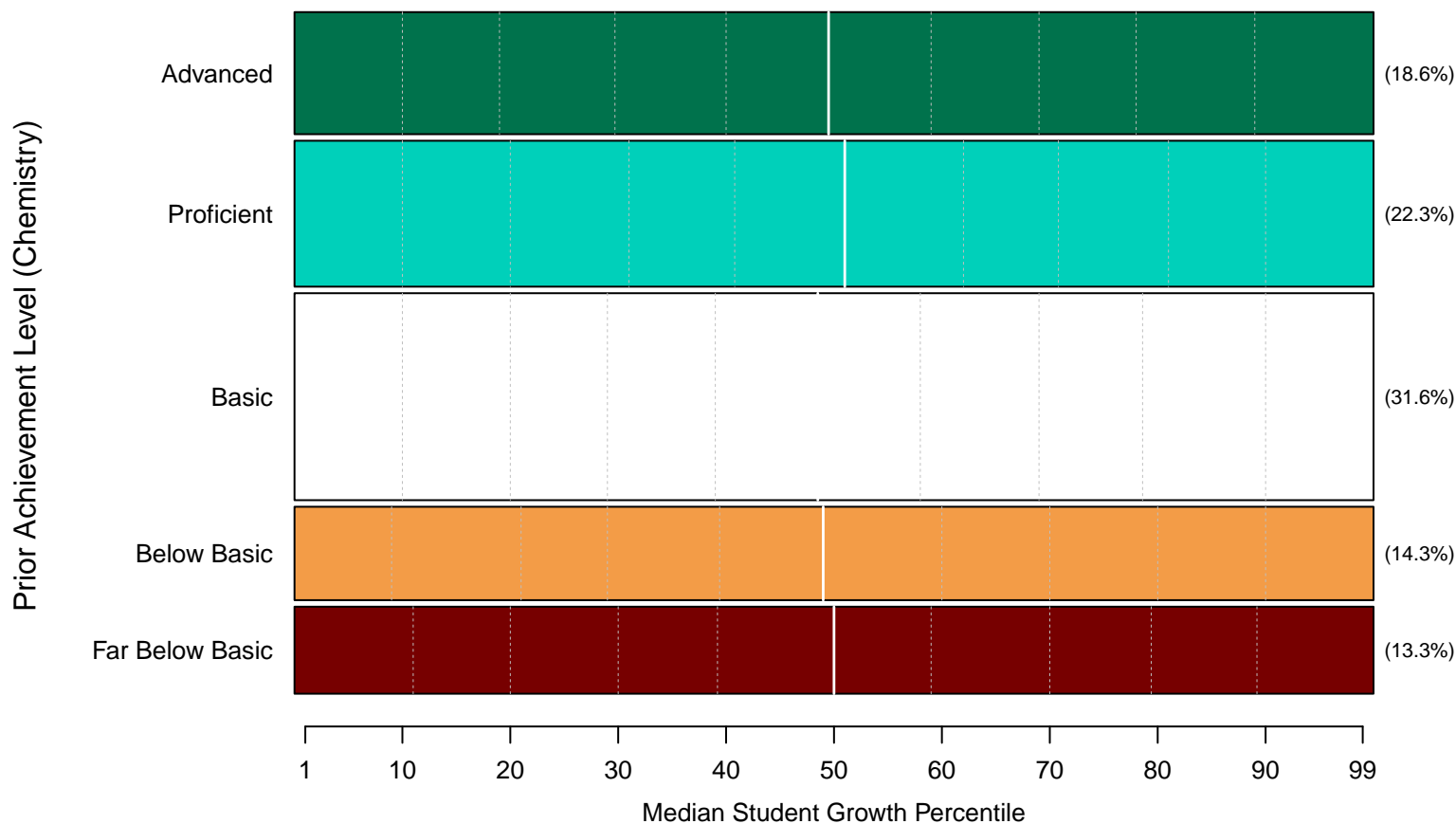# Student Growth Percentile Goodness–of–Fit Descriptives

2010 Physics SGP, Grade EOCT (N = 3,382)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Chemistry)

Level	Percent
Advanced	(18.6%)
Proficient	(22.3%)
Basic	(31.6%)
Below Basic	(14.3%)
Far Below Basic	(13.3%)

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/[209,270)	9.77	9.77	11.07	10.10	9.77	12.38	8.14	10.10	8.79	10.10	(9.1%)
2nd/[270,288)	9.83	10.11	8.99	9.83	10.67	8.15	10.67	9.55	10.67	11.52	(10.5%)
3rd/[288,304)	10.32	10.62	12.09	10.03	7.96	9.14	10.03	10.62	10.32	8.85	(10%)
4th/[304,320)	9.17	10.06	10.65	7.40	10.36	11.54	8.88	11.24	9.47	11.24	(10%)
5th/[320,334)	9.71	9.71	8.27	8.27	11.51	11.51	12.59	7.91	9.35	11.15	(8.2%)
6th/[334,352)	10.28	9.25	12.85	11.31	10.28	8.48	8.48	9.77	10.28	9.00	(11.5%)
7th/[352,369)	10.00	9.71	6.29	10.86	8.00	9.71	13.14	10.57	11.14	10.57	(10.3%)
8th/[369,387)	10.20	8.55	12.83	7.57	10.86	9.54	7.89	11.84	8.88	11.84	(9%)
9th/[387,414)	8.76	10.57	9.06	11.78	11.78	9.97	9.06	9.37	9.37	10.27	(9.8%)
10th/[414,600]	10.00	10.77	11.03	9.23	9.23	10.00	11.03	9.74	9.74	9.23	(11.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution