Student Growth Percentile Goodness–of–Fit Descriptives
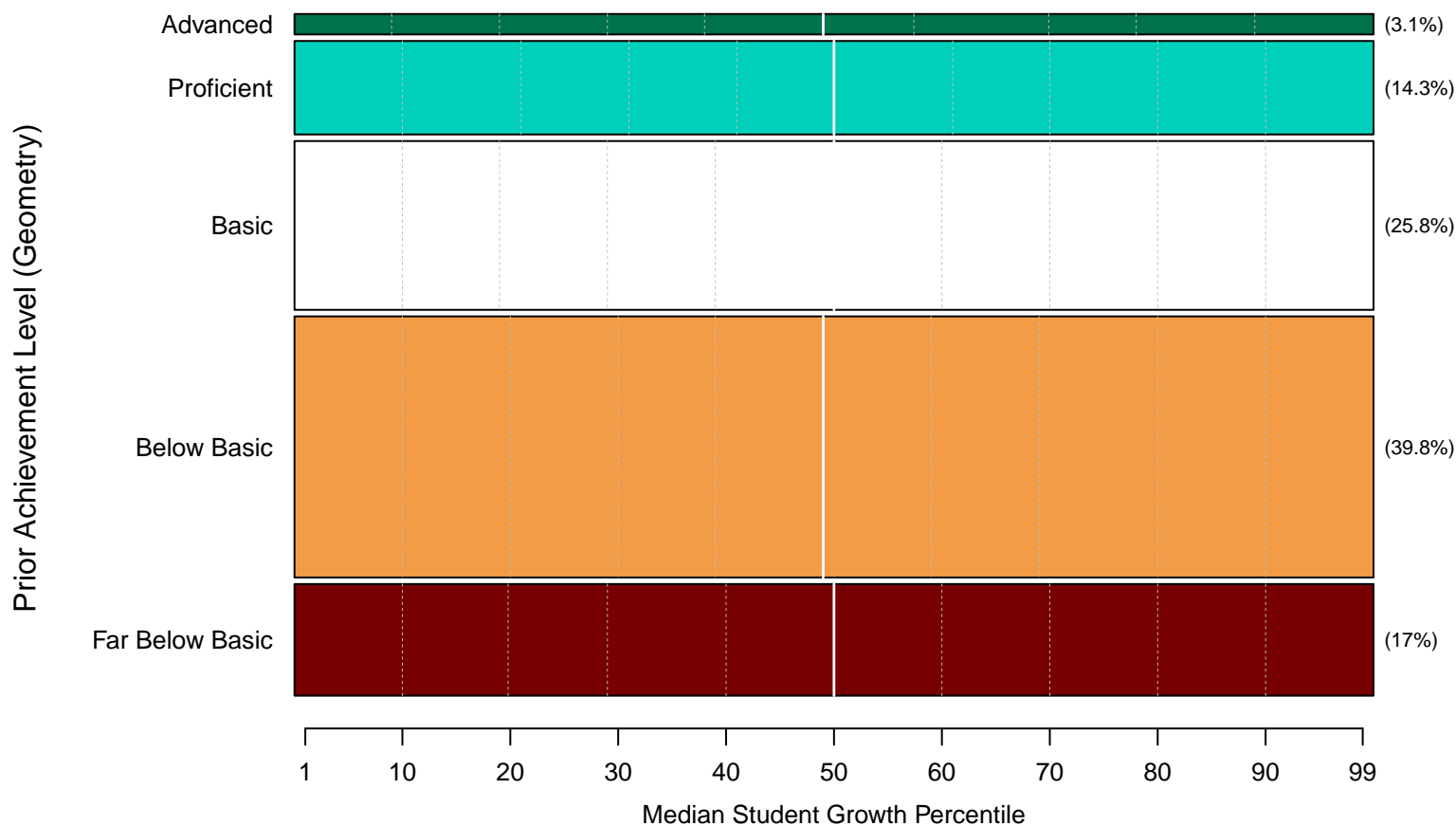## 2012 Chemistry SGP, Grade EOCT (N = 14,033)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

Level	Percent
Advanced	(3.1%)
Proficient	(14.3%)
Basic	(25.8%)
Below Basic	(39.8%)
Far Below Basic	(17%)

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/[154,233)	8.93	11.57	9.65	9.56	10.02	9.47	10.29	9.93	9.56	11.02	(7.8%)
2nd/[233,248)	10.06	9.52	10.53	8.28	10.60	10.60	10.45	10.14	10.22	9.60	(9.2%)
3rd/[248,262)	9.48	9.86	11.86	10.61	8.98	9.67	9.17	10.80	9.17	10.42	(11.4%)
4th/[262,275)	9.32	11.20	9.39	9.73	10.26	10.60	10.19	8.79	10.73	9.79	(10.6%)
5th/[275,287)	10.24	8.50	10.47	9.10	9.71	11.00	9.56	10.09	10.77	10.55	(9.4%)
6th/[287,304)	9.04	11.16	9.24	10.90	10.20	9.17	11.10	9.36	9.81	10.01	(11.1%)
7th/[304,320)	9.29	9.82	10.44	11.36	10.05	9.36	9.52	9.67	10.05	10.44	(9.3%)
8th/[320,342)	10.47	8.99	9.20	9.91	9.34	10.62	10.47	9.91	9.98	11.11	(10.1%)
9th/[342,371)	9.68	10.18	10.75	8.75	9.53	9.96	9.89	11.18	10.18	9.89	(9.9%)
10th/[371,600]	9.55	9.99	10.25	10.31	10.63	9.68	10.31	9.10	10.25	9.93	(11.2%)

*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