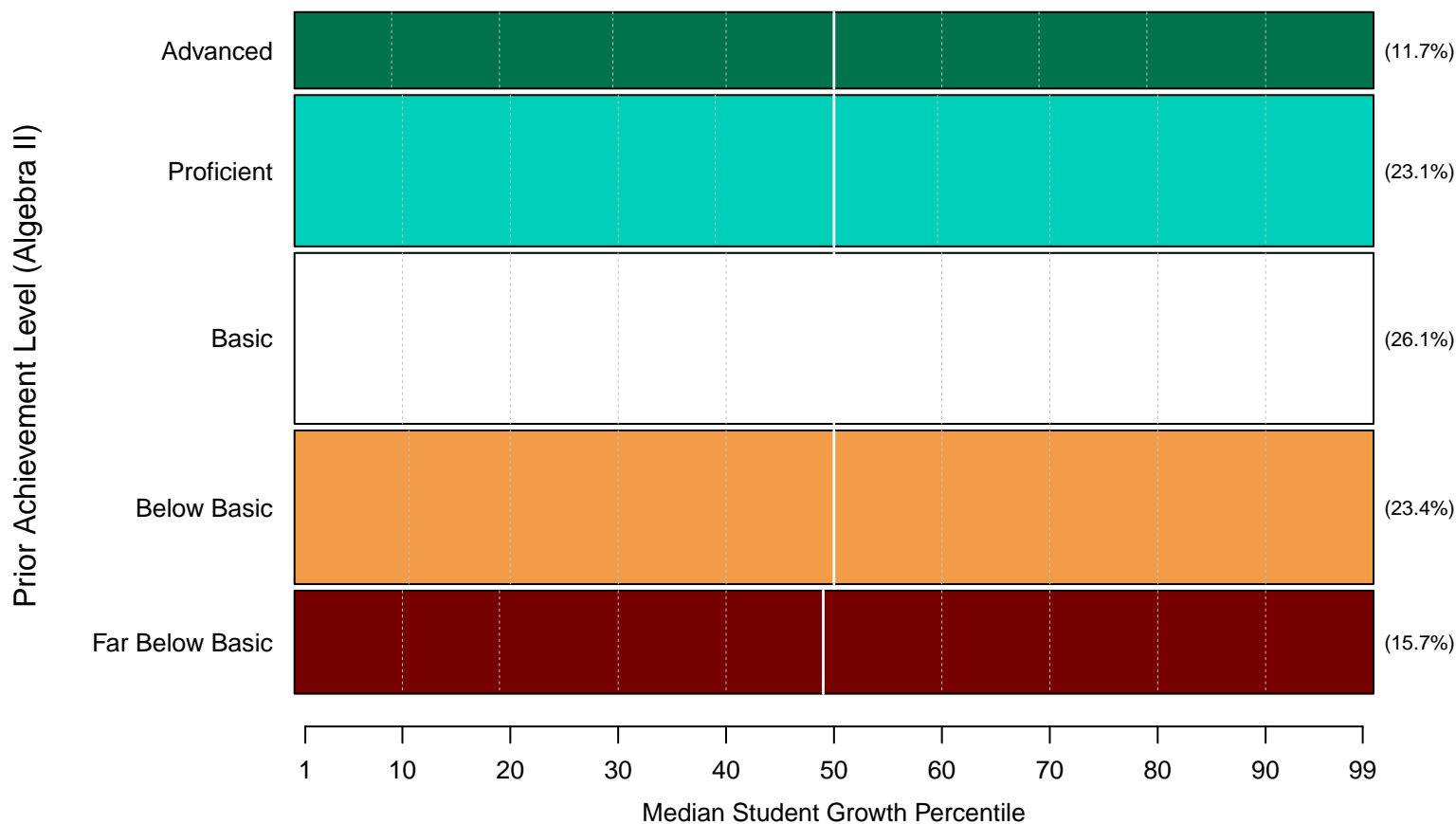# Student Growth Percentile Goodness–of–Fit Descriptives
2012 Chemistry SGP, Grade EOCT (N = 4,253)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Level	Percent
Advanced	(11.7%)
Proficient	(23.1%)
Basic	(26.1%)
Below Basic	(23.4%)
Far Below Basic	(15.7%)

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/[175,243)	8.92	10.00	10.81	10.27	10.27	10.00	10.54	10.54	8.92	9.73	(8.7%)
2nd/[243,264)	10.69	10.45	8.55	9.74	9.74	10.69	9.26	9.98	10.45	10.45	(9.9%)
3rd/[264,283)	9.53	8.65	10.64	10.86	10.20	8.65	10.64	8.65	10.64	11.53	(10.6%)
4th/[283,301)	8.25	12.26	9.43	9.67	10.38	10.61	9.20	11.56	9.20	9.43	(10%)
5th/[301,320)	11.90	8.70	9.38	9.61	9.61	11.67	10.30	8.24	10.53	10.07	(10.3%)
6th/[320,338)	8.78	10.11	11.44	9.57	7.98	9.04	11.17	10.37	11.44	10.11	(8.8%)
7th/[338,358)	9.34	11.11	9.09	10.61	11.87	7.83	8.84	12.12	8.33	10.86	(9.3%)
8th/[358,384)	10.62	9.79	10.83	10.00	12.29	9.79	10.00	8.12	8.96	9.58	(11.3%)
9th/[384,424)	8.17	9.25	9.46	10.97	7.10	11.61	9.25	10.97	11.83	11.40	(10.9%)
10th/[424,600]	10.62	10.16	9.70	9.24	10.16	9.47	11.32	9.93	9.47	9.93	(10.2%)

*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