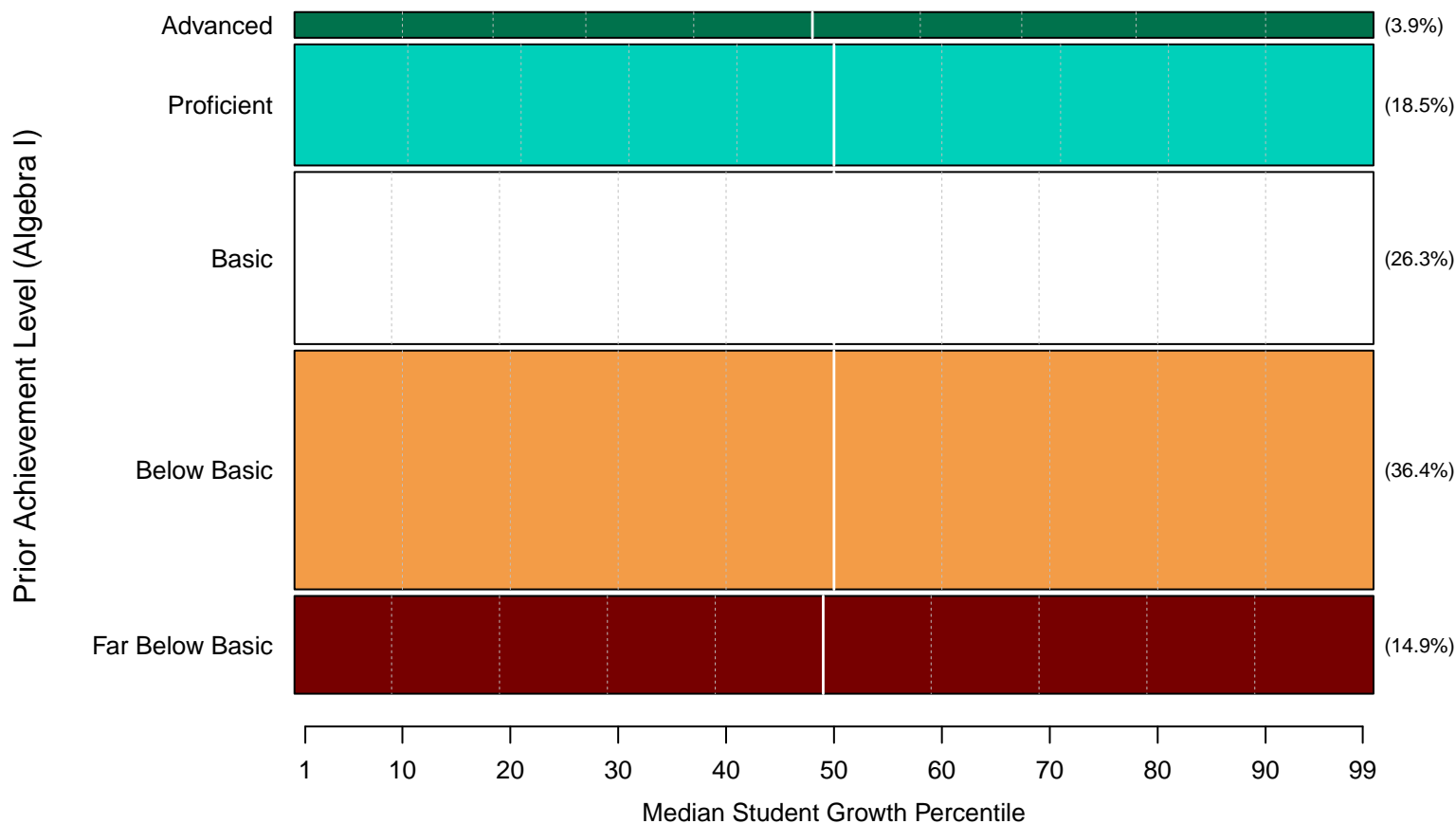# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Chemistry SGP, Grade EOCT (N = 9,506)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)

- Advanced (3.9%)
- Proficient (18.5%)
- Basic (26.3%)
- Below Basic (36.4%)
- Far Below Basic (14.9%)

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/[165,246)	10.24	9.35	11.52	8.45	9.73	10.88	10.76	9.09	10.12	9.86	(8.2%)
2nd/[246,263)	9.40	10.08	10.17	9.98	10.56	8.54	9.40	11.23	9.60	11.04	(11%)
3rd/[263,274)	10.49	9.67	9.79	11.89	9.21	10.26	10.02	7.69	10.84	10.14	(9%)
4th/[274,284)	9.39	11.07	8.90	9.99	9.39	10.83	9.87	11.67	9.03	9.87	(8.7%)
5th/[284,299)	10.21	9.64	10.88	9.92	9.92	9.35	9.16	10.31	10.40	10.21	(11%)
6th/[299,313)	8.89	10.11	9.44	9.11	11.33	10.33	10.33	9.56	10.00	10.89	(9.5%)
7th/[313,332)	9.18	9.94	9.66	11.38	8.70	10.90	10.04	10.23	10.04	9.94	(11%)
8th/[332,356)	11.19	9.50	10.72	9.13	9.97	8.56	10.63	10.07	9.97	10.25	(11.2%)
9th/[356,386)	8.28	11.74	9.51	9.17	10.18	11.19	9.73	9.51	9.28	11.41	(9.4%)
10th/[386,600]	9.68	9.40	9.68	10.93	10.26	9.78	9.78	10.16	10.74	9.59	(11%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution