Student Growth Percentile Goodness–of–Fit Descriptives
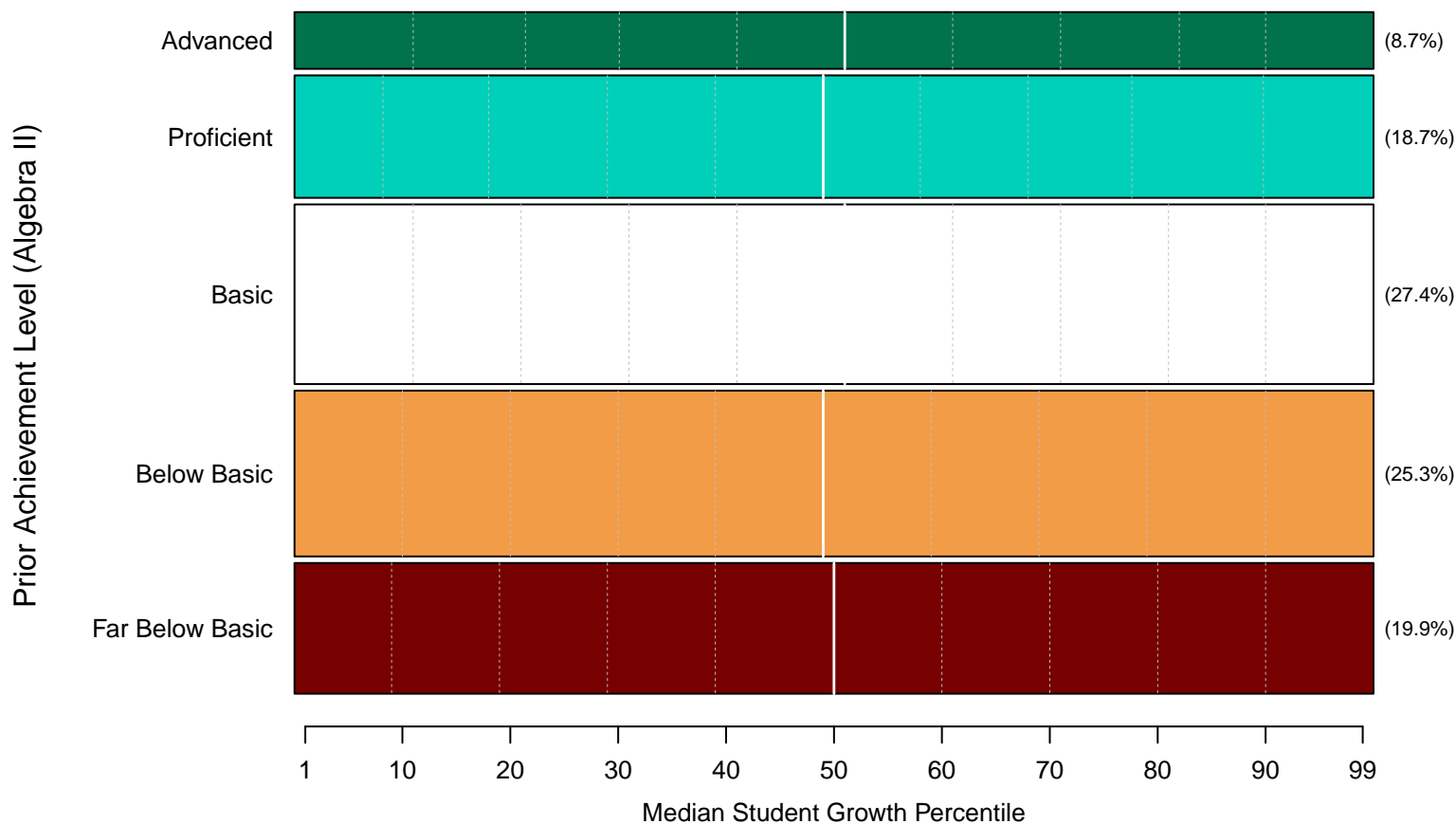
2011 Chemistry SGP, Grade EOCT (N = 5,636)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Advanced	(8.7%)
Proficient	(18.7%)
Basic	(27.4%)
Below Basic	(25.3%)
Far Below Basic	(19.9%)

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/[166,238)	10.13	9.01	9.38	11.26	9.38	10.32	9.38	10.51	9.76	10.88	(9.5%)
2nd/[238,259)	10.32	11.51	10.32	8.29	9.48	10.32	10.32	9.31	10.15	9.98	(10.5%)
3rd/[259,274)	8.81	9.20	11.15	9.00	10.96	11.15	10.18	10.57	9.59	9.39	(9.1%)
4th/[274,288)	9.98	9.57	9.78	12.02	8.96	9.57	8.55	10.59	8.55	12.42	(8.7%)
5th/[288,307)	10.07	11.74	9.90	8.89	11.24	9.23	11.07	9.06	8.56	10.23	(10.6%)
6th/[307,325)	11.27	9.88	9.71	8.84	9.36	9.88	8.49	11.09	11.44	10.05	(10.2%)
7th/[325,343)	6.72	8.71	11.80	11.07	10.89	10.53	9.44	10.71	10.16	9.98	(9.8%)
8th/[343,368)	8.36	10.00	9.67	9.51	10.00	9.84	10.33	12.13	8.36	11.80	(10.8%)
9th/[368,402)	11.21	10.29	9.01	10.48	11.58	10.29	9.01	8.46	10.29	9.38	(9.7%)
10th/[402,600]	9.34	10.13	10.76	9.02	9.65	9.49	11.55	9.34	10.28	10.44	(11.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution