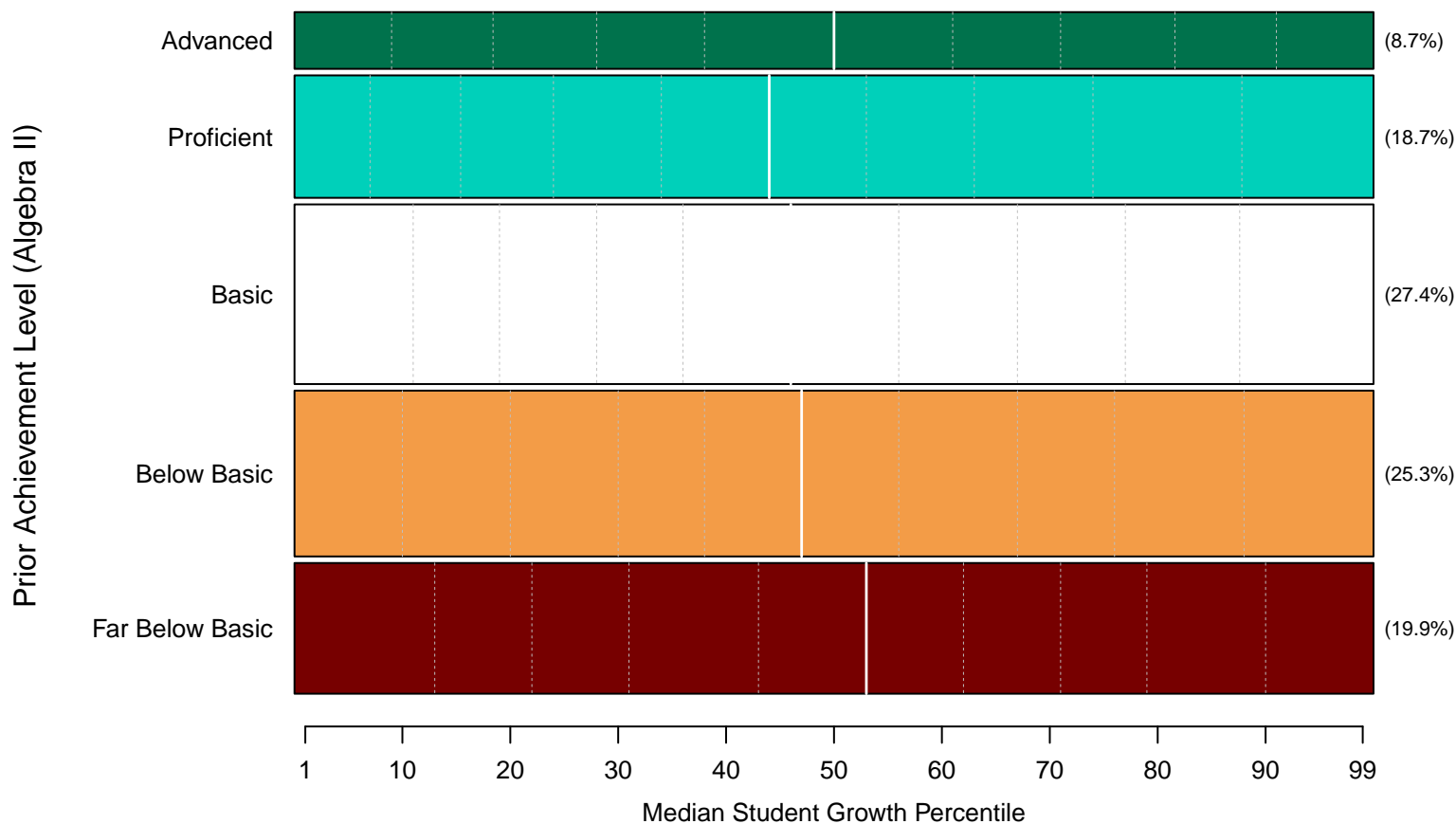# Student Growth Percentile Goodness–of–Fit Descriptives
2011 Chemistry SGP, Grade EOCT (N = 5,636)

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)	6.38	10.32	8.26	9.57	10.51	11.26	11.26	11.07	9.38	12.01	(9.5%)
2nd/[238,259)	7.11	10.66	11.34	9.48	11.17	9.48	9.81	12.69	8.97	9.31	(10.5%)
3rd/[259,274)	8.02	9.98	11.15	9.00	12.13	11.35	9.78	13.11	7.05	8.41	(9.1%)
4th/[274,288)	8.96	11.41	8.96	13.65	9.16	10.79	9.78	8.15	9.78	9.37	(8.7%)
5th/[288,307)	9.23	12.58	9.90	11.07	12.58	10.57	8.89	8.39	7.72	9.06	(10.6%)
6th/[307,325)	10.92	11.09	10.92	10.23	8.67	11.61	8.15	11.09	9.53	7.80	(10.2%)
7th/[325,343)	7.08	11.62	12.70	10.89	12.70	9.80	9.26	9.26	9.44	7.26	(9.8%)
8th/[343,368)	10.16	11.31	11.48	9.51	10.49	10.98	9.02	10.16	6.89	10.00	(10.8%)
9th/[368,402)	12.68	11.58	11.76	10.29	11.58	8.64	9.74	8.09	6.99	8.64	(9.7%)
10th/[402,600]	12.34	10.44	10.76	8.07	9.34	8.54	11.39	9.34	9.18	10.60	(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