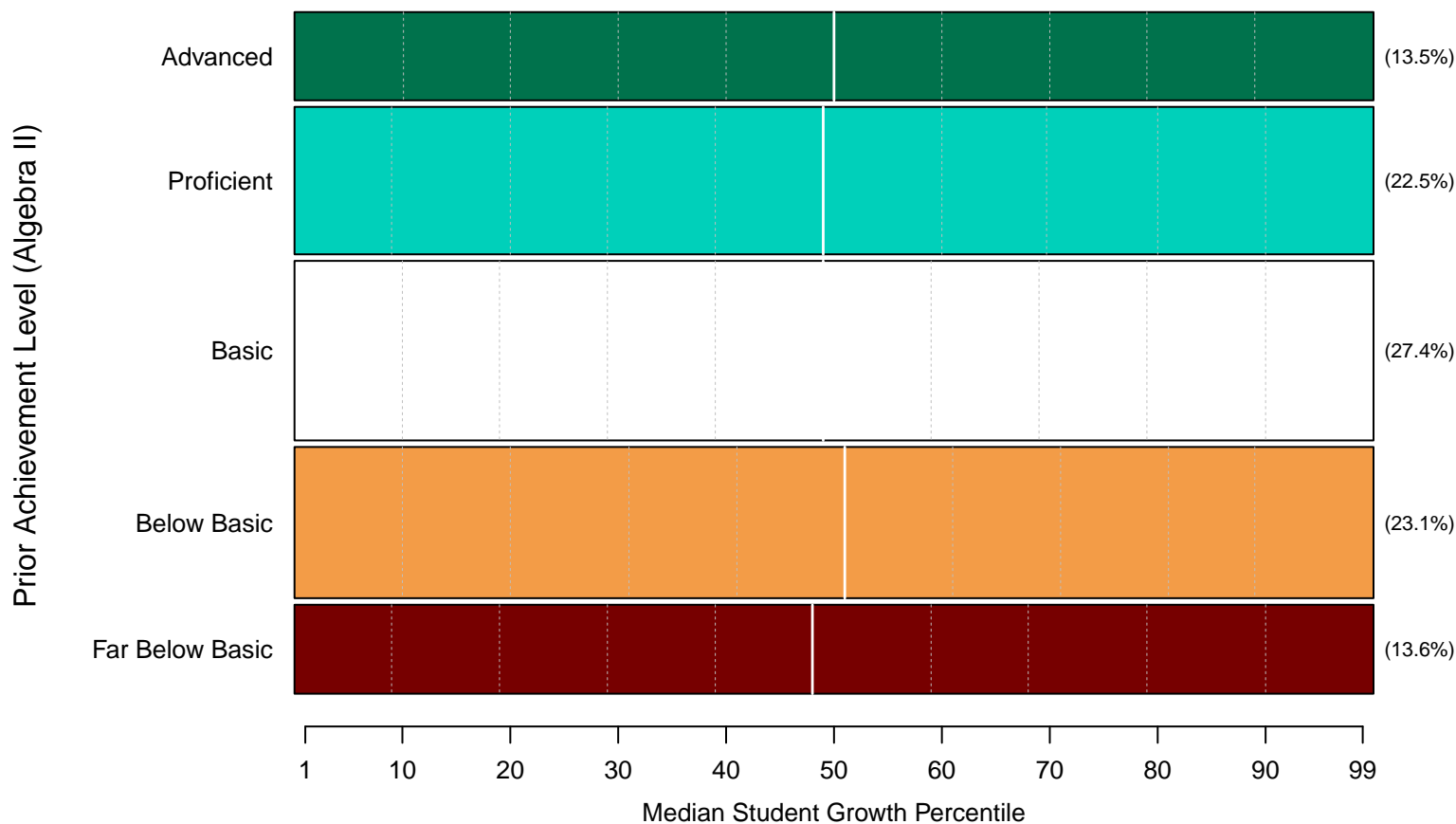# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Chemistry SGP, Grade EOCT (N = 3,654)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Level	Percent
Advanced	(13.5%)
Proficient	(22.5%)
Basic	(27.4%)
Below Basic	(23.1%)
Far Below Basic	(13.6%)

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/[150,250)	11.41	9.31	10.21	8.71	9.31	10.51	10.51	10.21	10.21	9.61	(9.1%)
2nd/[250,270)	8.06	11.34	9.85	11.34	9.55	9.25	10.45	10.15	9.85	10.15	(9.2%)
3rd/[270,289)	10.84	8.13	10.84	9.49	11.38	11.92	8.13	9.21	10.03	10.03	(10.1%)
4th/[289,307)	9.64	10.68	9.11	10.68	9.11	7.81	10.16	11.20	12.24	9.38	(10.5%)
5th/[307,325)	9.02	10.61	10.88	9.81	10.08	11.67	11.14	7.69	6.90	12.20	(10.3%)
6th/[325,344)	10.53	11.36	8.31	9.70	8.03	9.14	9.97	13.57	9.70	9.70	(9.9%)
7th/[344,364)	7.84	8.96	12.04	10.64	12.89	11.20	9.52	7.56	10.92	8.40	(9.8%)
8th/[364,391)	10.63	9.11	9.87	8.35	11.39	9.11	9.62	9.37	10.38	12.15	(10.8%)
9th/[391,433)	11.08	10.51	9.66	11.08	6.25	9.66	11.36	11.36	9.09	9.94	(9.6%)
10th/[433,600]	8.95	9.72	10.49	9.72	10.49	11.00	9.21	9.72	10.49	10.23	(10.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution