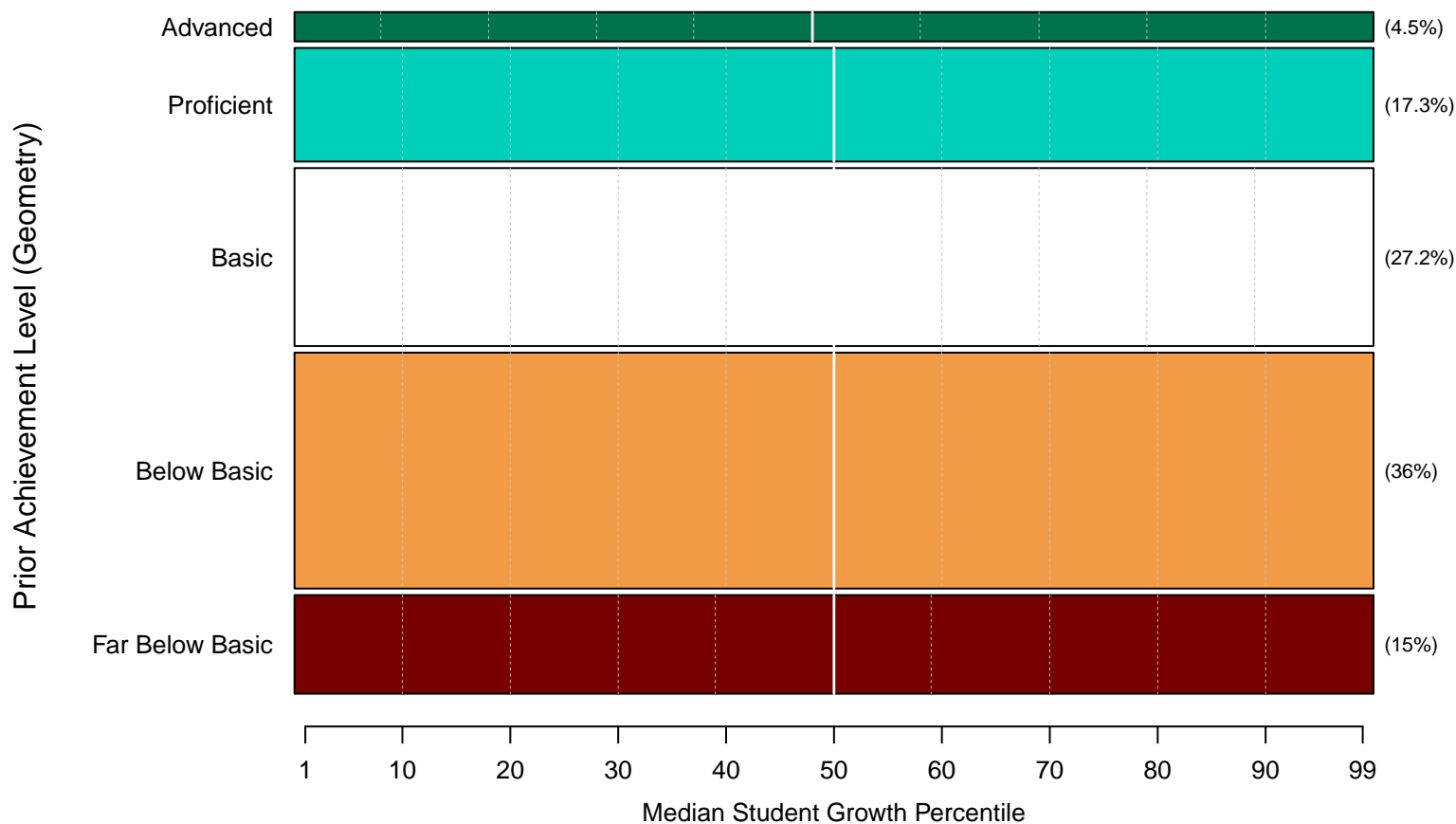# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Chemistry SGP, Grade EOCT (N = 11,690)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

Advanced	(4.5%)
Proficient	(17.3%)
Basic	(27.2%)
Below Basic	(36%)
Far Below Basic	(15%)

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/[155,238)	9.73	9.28	9.91	10.00	10.36	10.54	9.01	10.63	10.36	10.18	(9.5%)
2nd/[238,253)	8.88	10.90	9.99	11.91	9.38	8.88	10.29	8.88	9.99	10.90	(8.5%)
3rd/[253,266)	10.37	9.74	11.17	9.20	9.12	9.47	11.08	10.19	9.20	10.46	(9.6%)
4th/[266,279)	10.22	9.86	9.50	10.13	11.29	10.39	9.50	10.13	9.59	9.41	(9.5%)
5th/[279,296)	8.59	10.11	9.88	9.80	9.73	9.73	9.95	10.18	10.03	12.01	(11.3%)
6th/[296,312)	10.13	9.21	10.64	9.21	10.13	10.22	10.13	10.72	10.05	9.55	(10.2%)
7th/[312,328)	9.07	12.03	9.25	10.95	9.69	10.14	9.61	9.25	9.25	10.77	(9.5%)
8th/[328,350)	9.91	9.40	9.48	10.50	9.57	9.40	11.43	10.33	10.92	9.06	(10.1%)
9th/[350,381)	10.75	10.35	10.51	8.75	10.51	10.35	8.83	9.39	8.91	11.64	(10.7%)
10th/[381,600]	8.83	9.90	9.67	10.51	9.75	9.90	10.13	10.51	10.74	10.05	(11.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution
Empirical SGP Distribution