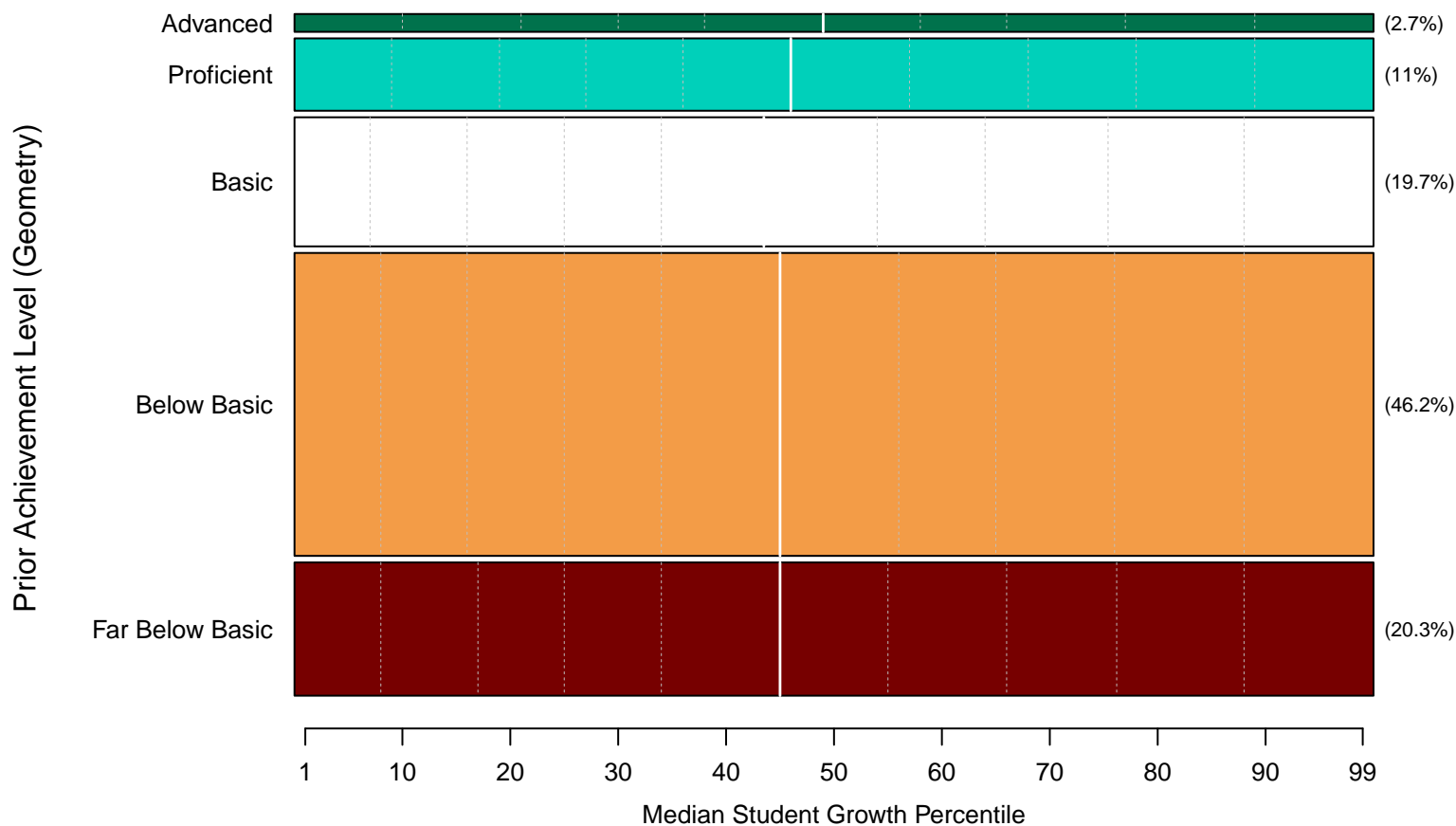# Student Growth Percentile Goodness–of–Fit Descriptives

2010 Chemistry SGP, Grade EOCT (N = 15,101)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

- Advanced (2.7%)
- Proficient (11%)
- Basic (19.7%)
- Below Basic (46.2%)
- Far Below Basic (20.3%)

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/[150,233)	10.96	11.94	12.16	10.51	8.11	8.63	10.51	10.21	8.56	8.41	(8.8%)
2nd/[233,243)	10.94	14.17	8.25	10.13	10.49	8.16	9.96	10.13	8.97	8.79	(7.4%)
3rd/[243,257)	12.41	12.41	12.15	10.94	8.37	9.48	8.98	8.42	8.27	8.57	(13.1%)
4th/[257,266)	12.02	11.20	10.79	8.91	13.49	6.62	10.06	8.34	8.18	10.38	(8.1%)
5th/[266,279)	11.94	12.18	11.71	9.59	9.65	9.53	9.65	9.35	8.71	7.71	(11.3%)
6th/[279,291)	11.69	12.37	11.63	10.82	6.38	10.62	9.81	10.08	8.47	8.13	(9.9%)
7th/[291,308)	11.13	11.06	10.93	8.58	10.30	10.49	10.24	9.35	8.39	9.54	(10.4%)
8th/[308,328)	12.42	10.53	12.76	10.40	9.18	9.66	9.79	9.45	6.82	8.98	(9.8%)
9th/[328,365)	12.17	11.64	10.16	10.87	10.04	9.92	9.63	9.16	8.68	7.74	(11.2%)
10th/[365,600]	9.85	10.58	11.30	11.90	10.71	8.72	10.77	9.12	7.34	9.72	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100