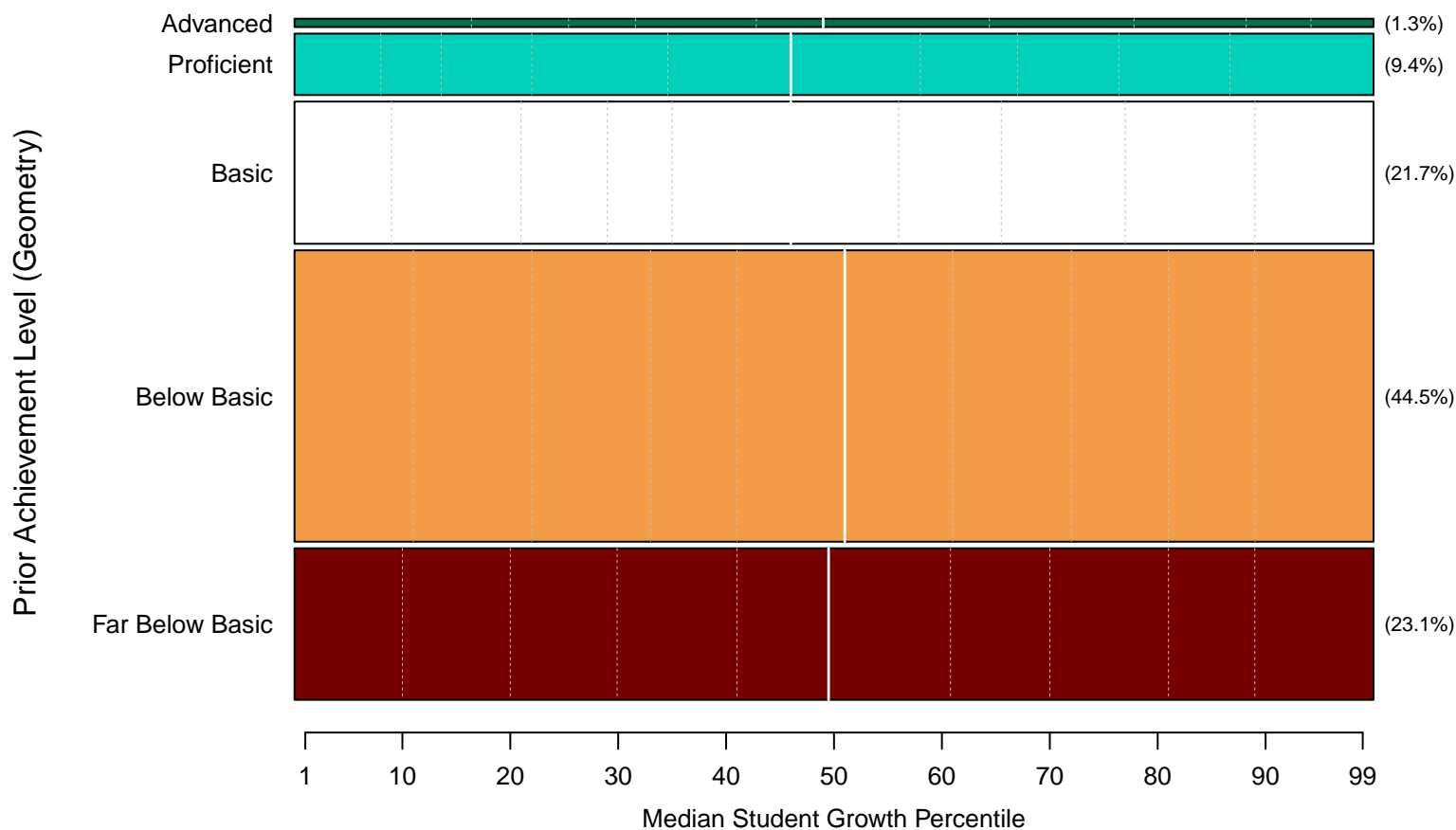# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Physics SGP, Grade EOCT (N = 1,962)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

Level	Percent
Advanced	(1.3%)
Proficient	(9.4%)
Basic	(21.7%)
Below Basic	(44.5%)
Far Below Basic	(23.1%)

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/[165,229)	9.14	10.66	7.61	9.64	13.71	9.64	7.61	10.66	10.66	10.66	(10%)
2nd/[229,243)	10.49	6.79	13.58	6.79	11.73	6.17	14.81	11.11	11.73	6.79	(8.3%)
3rd/[243,253)	7.14	8.67	7.65	14.80	8.16	10.71	7.65	10.71	9.69	14.80	(10%)
4th/[253,262)	7.54	9.55	11.56	10.05	10.55	9.55	10.05	13.07	10.05	8.04	(10.1%)
5th/[262,270)	10.06	7.10	11.24	13.02	8.88	9.47	7.69	7.10	14.79	10.65	(8.6%)
6th/[270,283)	7.88	10.84	8.87	9.85	12.81	10.84	10.84	10.84	8.37	8.87	(10.3%)
7th/[283,300)	9.95	9.95	6.47	11.94	8.46	12.44	7.96	11.44	11.94	9.45	(10.2%)
8th/[300,320)	9.72	8.33	12.50	16.20	8.80	7.87	12.50	6.94	11.11	6.02	(11%)
9th/[320,351)	10.95	9.05	11.43	11.90	8.57	10.95	8.10	9.05	7.14	12.86	(10.7%)
10th/[351,498]	12.92	11.48	10.53	6.70	11.00	9.09	10.05	9.57	9.09	9.57	(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