Student Growth Percentile Goodness–of–Fit Descriptives
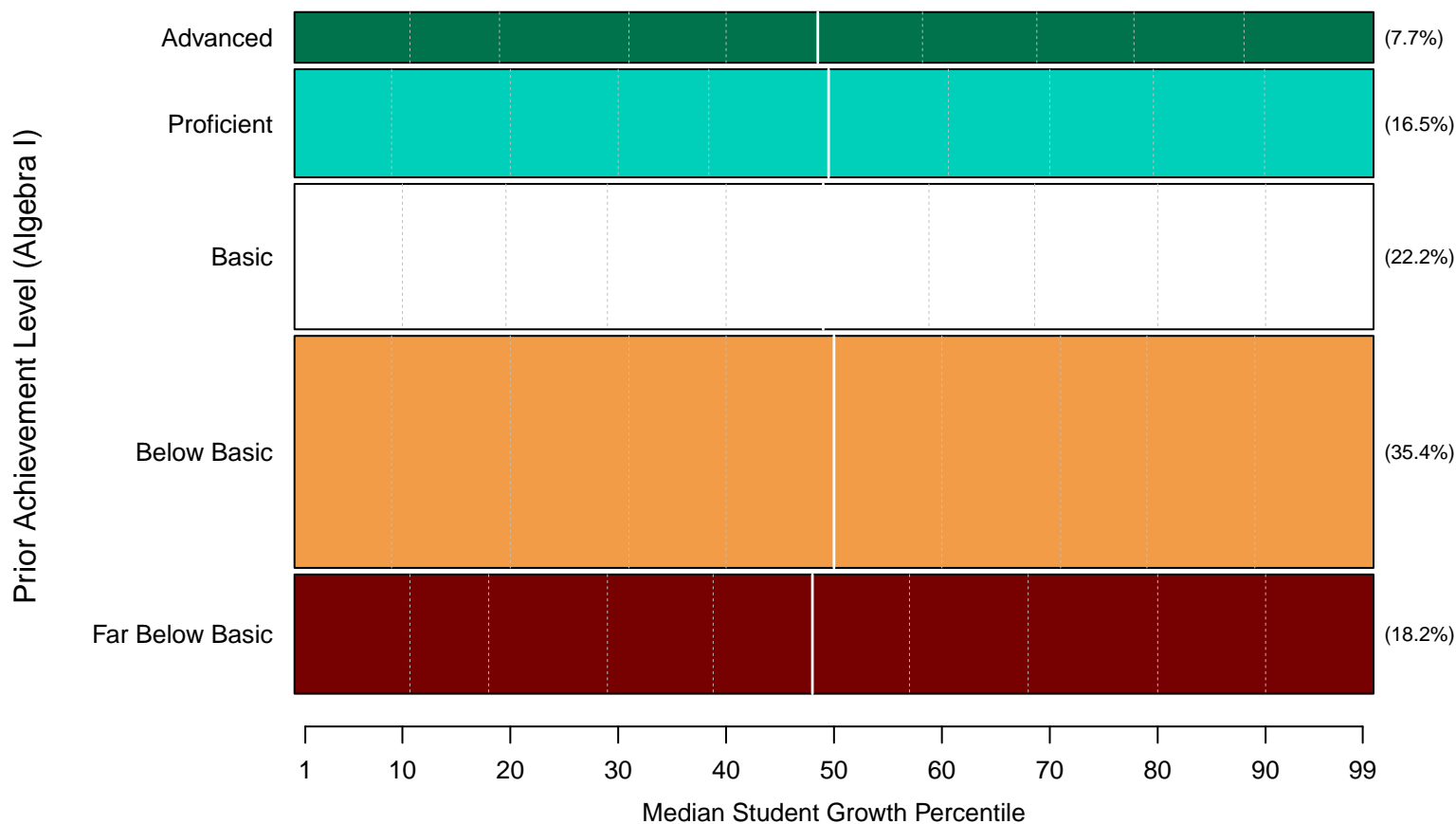
2012 Physics SGP, Grade EOCT (N = 1,528)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)

Level	Percent
Advanced	(7.7%)
Proficient	(16.5%)
Basic	(22.2%)
Below Basic	(35.4%)
Far Below Basic	(18.2%)

Median Student Growth Percentile: 1 10 20 30 40 50 60 70 80 90 99

Student Growth Percentile Range

Prior Scale Score Decile/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/[165,244)	11.76	11.11	9.15	11.76	7.84	11.11	10.46	8.50	9.15	9.15	(10%)
2nd/[244,257)	7.20	11.20	12.80	8.80	14.40	4.80	12.00	5.60	11.20	12.00	(8.2%)
3rd/[257,269)	10.53	9.77	8.27	9.02	9.77	6.77	10.53	14.29	10.53	10.53	(8.7%)
4th/[269,279)	14.69	9.79	3.50	9.09	9.79	16.08	7.69	10.49	9.79	9.09	(9.4%)
5th/[279,294)	7.73	9.39	14.92	9.39	11.60	8.84	10.50	8.84	7.73	11.05	(11.8%)
6th/[294,313)	8.07	9.94	9.32	12.42	8.07	8.07	10.56	11.80	10.56	11.18	(10.5%)
7th/[313,332)	10.14	10.14	8.78	8.11	9.46	12.16	9.46	10.81	10.81	10.14	(9.7%)
8th/[332,361)	11.52	10.91	9.70	10.91	15.15	7.88	7.88	9.09	7.88	9.09	(10.8%)
9th/[361,404)	8.18	8.81	12.58	8.81	6.92	10.06	13.21	11.32	9.43	10.69	(10.4%)
10th/[404,600]	11.25	10.62	7.50	11.25	11.25	10.62	8.12	8.12	11.25	10.00	(10.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution