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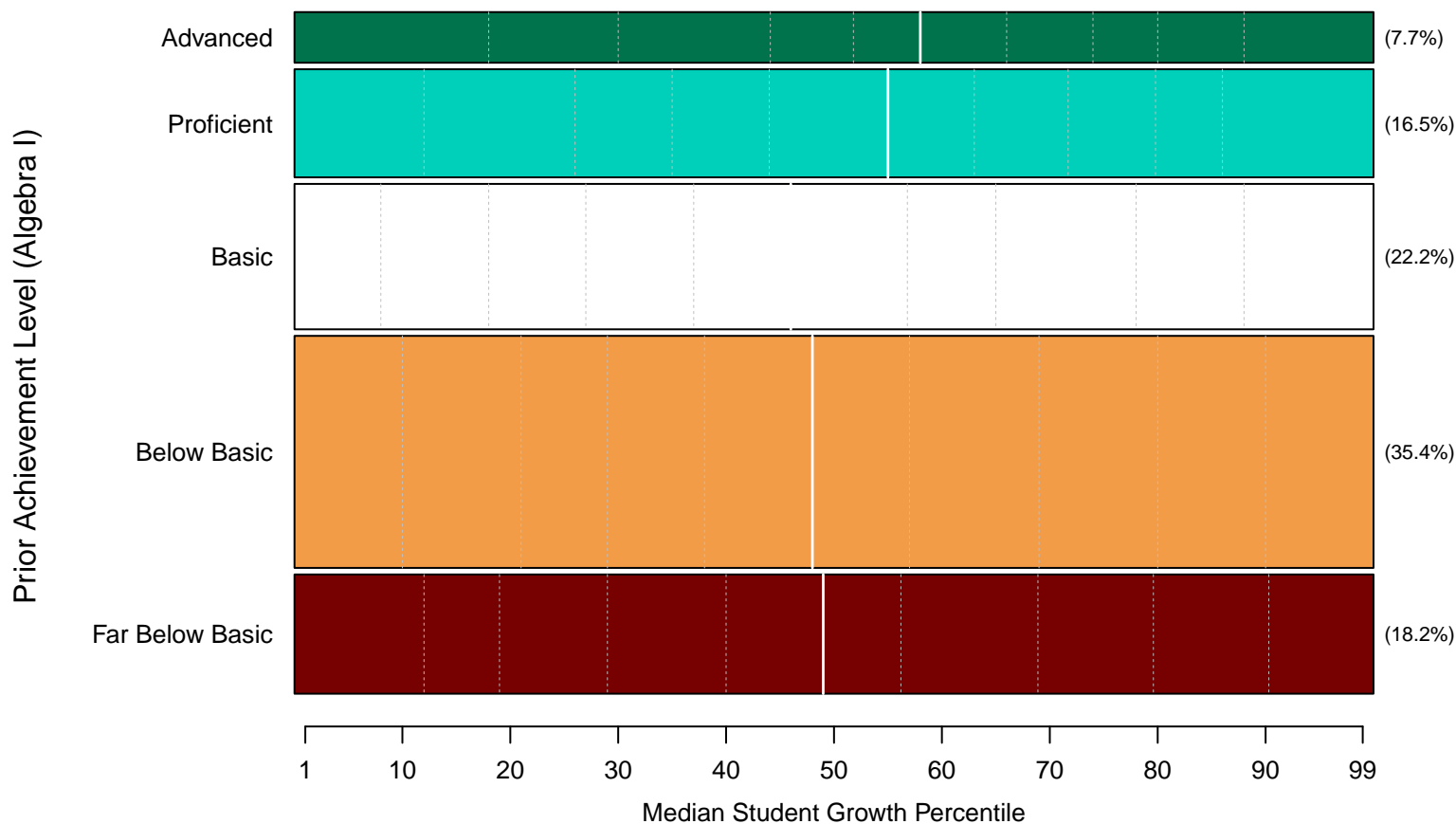
2012 Physics SGP, Grade EOCT (N = 1,528)

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

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/[165,244)	11.76	10.46	7.19	7.84	11.76	13.07	7.84	12.42	9.80	7.84	(10%)
2nd/[244,257)	6.40	12.00	15.20	6.40	14.40	5.60	11.20	5.60	8.00	15.20	(8.2%)
3rd/[257,269)	10.53	9.77	8.27	11.28	7.52	9.77	7.52	8.27	15.79	11.28	(8.7%)
4th/[269,279)	11.19	9.79	9.79	9.09	12.59	11.19	9.09	7.69	9.79	9.79	(9.4%)
5th/[279,294)	7.73	9.39	14.92	12.71	11.60	8.84	8.29	9.39	6.63	10.50	(11.8%)
6th/[294,313)	8.70	9.94	11.80	14.29	6.21	8.07	11.80	8.07	10.56	10.56	(10.5%)
7th/[313,332)	12.84	9.46	10.14	9.46	10.14	8.78	14.19	6.08	10.81	8.11	(9.7%)
8th/[332,361)	11.52	10.30	10.30	9.70	18.18	6.67	7.88	10.30	9.70	5.45	(10.8%)
9th/[361,404)	6.92	7.55	8.18	13.21	5.03	9.43	12.58	16.98	13.84	6.29	(10.4%)
10th/[404,600]	5.62	6.88	8.12	8.75	9.38	13.12	13.75	10.00	15.62	8.75	(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