Student Growth Percentile Goodness–of–Fit Descriptives
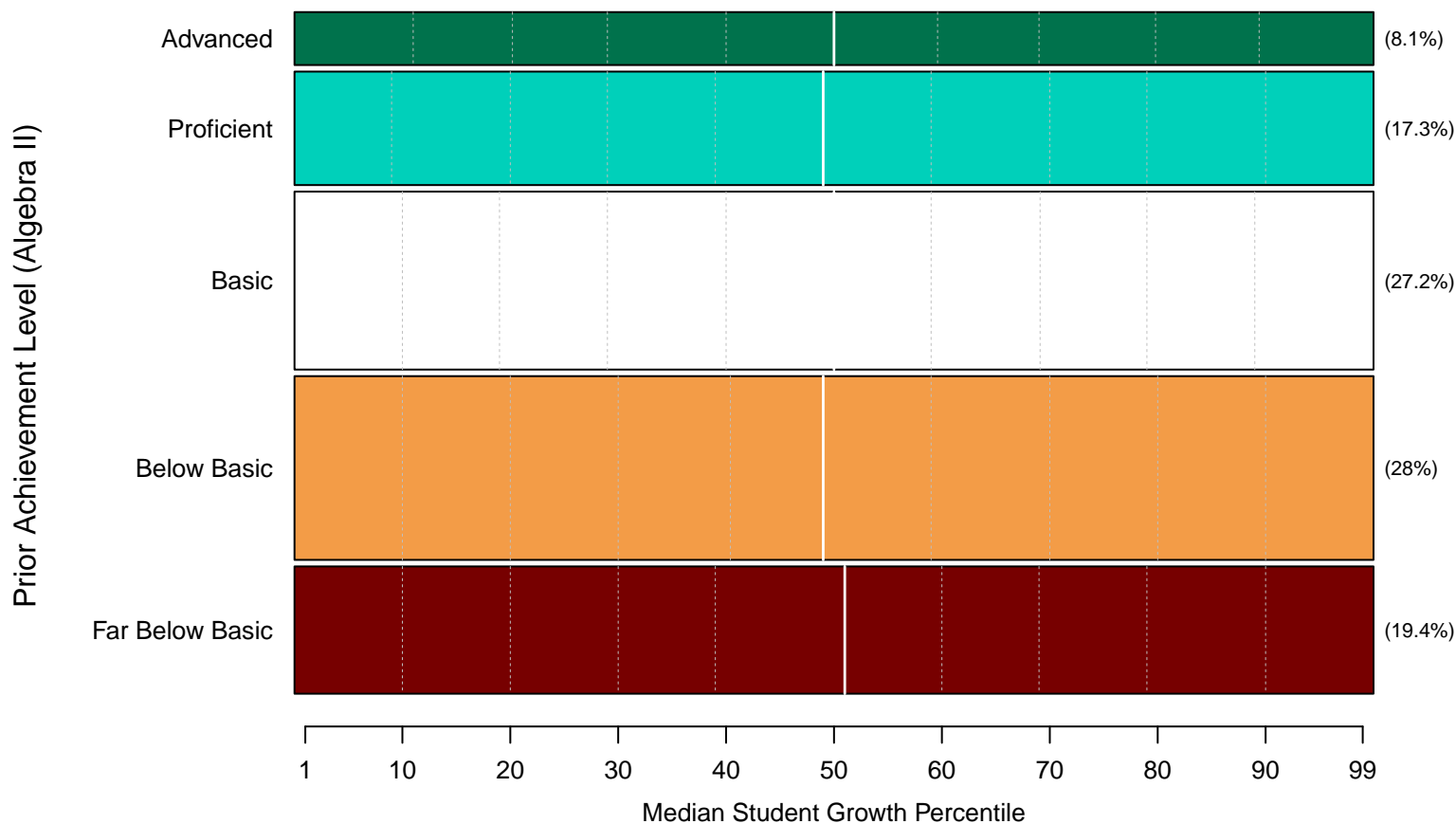
2012 Physics SGP, Grade EOCT (N = 3,182)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Level	(%)
Advanced	(8.1%)
Proficient	(17.3%)
Basic	(27.2%)
Below Basic	(28%)
Far Below Basic	(19.4%)

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/[166,243)	8.88	11.18	10.86	10.53	11.18	9.54	9.54	12.17	6.91	9.21	(9.6%)
2nd/[243,259)	10.83	7.96	9.55	10.83	6.69	9.55	13.38	7.64	12.42	11.15	(9.9%)
3rd/[259,274)	9.36	11.71	10.03	8.03	12.04	10.03	7.02	12.04	10.70	9.03	(9.4%)
4th/[274,287)	10.86	9.27	8.95	13.10	11.50	9.27	9.27	9.58	9.27	8.95	(9.8%)
5th/[287,301)	8.57	8.93	10.00	9.64	9.64	10.00	9.64	8.93	10.36	14.29	(8.8%)
6th/[301,320)	9.65	10.53	9.94	11.11	7.31	11.11	9.65	11.40	11.40	7.89	(10.7%)
7th/[320,343)	8.87	12.63	10.48	8.33	10.75	9.14	8.87	10.22	8.87	11.83	(11.7%)
8th/[343,363)	9.85	9.12	9.49	9.12	12.41	10.58	11.31	9.12	10.22	8.76	(8.6%)
9th/[363,403)	9.92	7.93	11.05	9.63	9.63	10.76	9.63	11.90	8.50	11.05	(11.1%)
10th/[403,599]	10.27	10.57	9.97	11.18	9.06	10.27	9.97	9.06	9.97	9.67	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution