Student Growth Percentile Goodness–of–Fit Descriptives
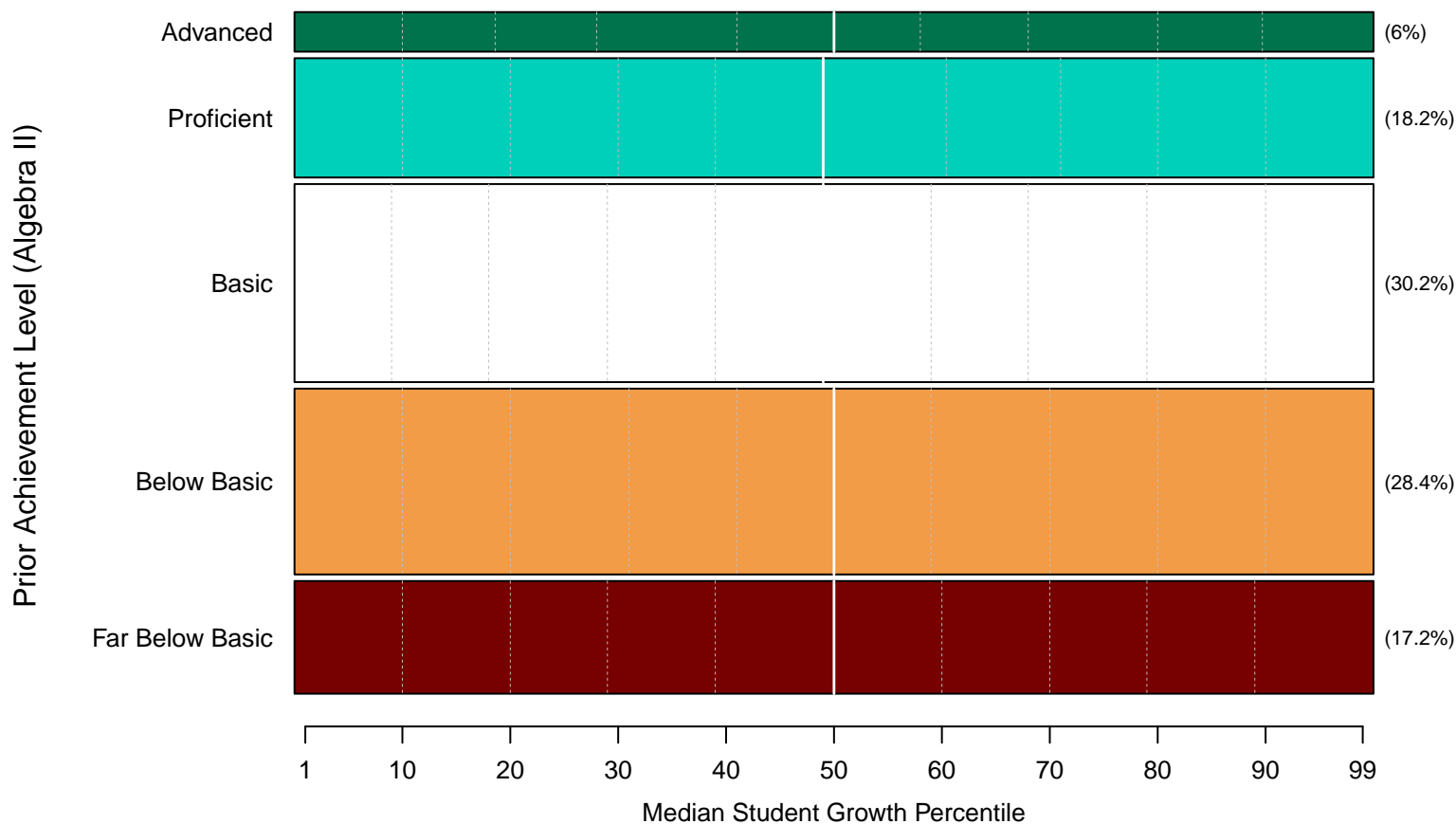
2013 Physics SGP, Grade EOCT (N = 3,379)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

- Advanced (6%)
- Proficient (18.2%)
- Basic (30.2%)
- Below Basic (28.4%)
- Far Below Basic (17.2%)

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/[150,244)	10.67	8.33	9.67	10.33	10.67	11.00	9.33	9.67	10.00	10.33	(8.9%)
2nd/[244,260)	7.83	12.81	12.46	8.90	7.47	8.90	10.32	12.10	9.61	9.61	(8.3%)
3rd/[260,275)	10.76	12.03	6.96	8.86	12.66	10.13	11.08	6.96	8.86	11.71	(9.4%)
4th/[275,293)	9.45	7.60	12.67	9.91	9.22	11.29	7.83	11.75	12.21	8.06	(12.8%)
5th/[293,307)	8.25	12.21	6.60	12.87	8.91	9.90	7.92	10.23	10.56	12.54	(9%)
6th/[307,325)	11.20	9.90	11.20	9.90	10.94	8.59	12.24	11.46	6.77	7.81	(11.4%)
7th/[325,339)	10.39	9.74	8.77	7.14	13.64	8.44	11.04	7.47	11.04	12.34	(9.1%)
8th/[339,364)	9.31	10.90	9.31	9.84	7.71	13.03	8.51	11.44	9.57	10.37	(11.1%)
9th/[364,391)	8.11	9.46	10.47	11.82	10.14	9.12	6.76	11.82	12.84	9.46	(8.8%)
10th/[391,600]	10.76	9.45	11.02	9.45	9.97	9.71	12.07	7.87	8.92	10.76	(11.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution