Student Growth Percentile Goodness–of–Fit Descriptives
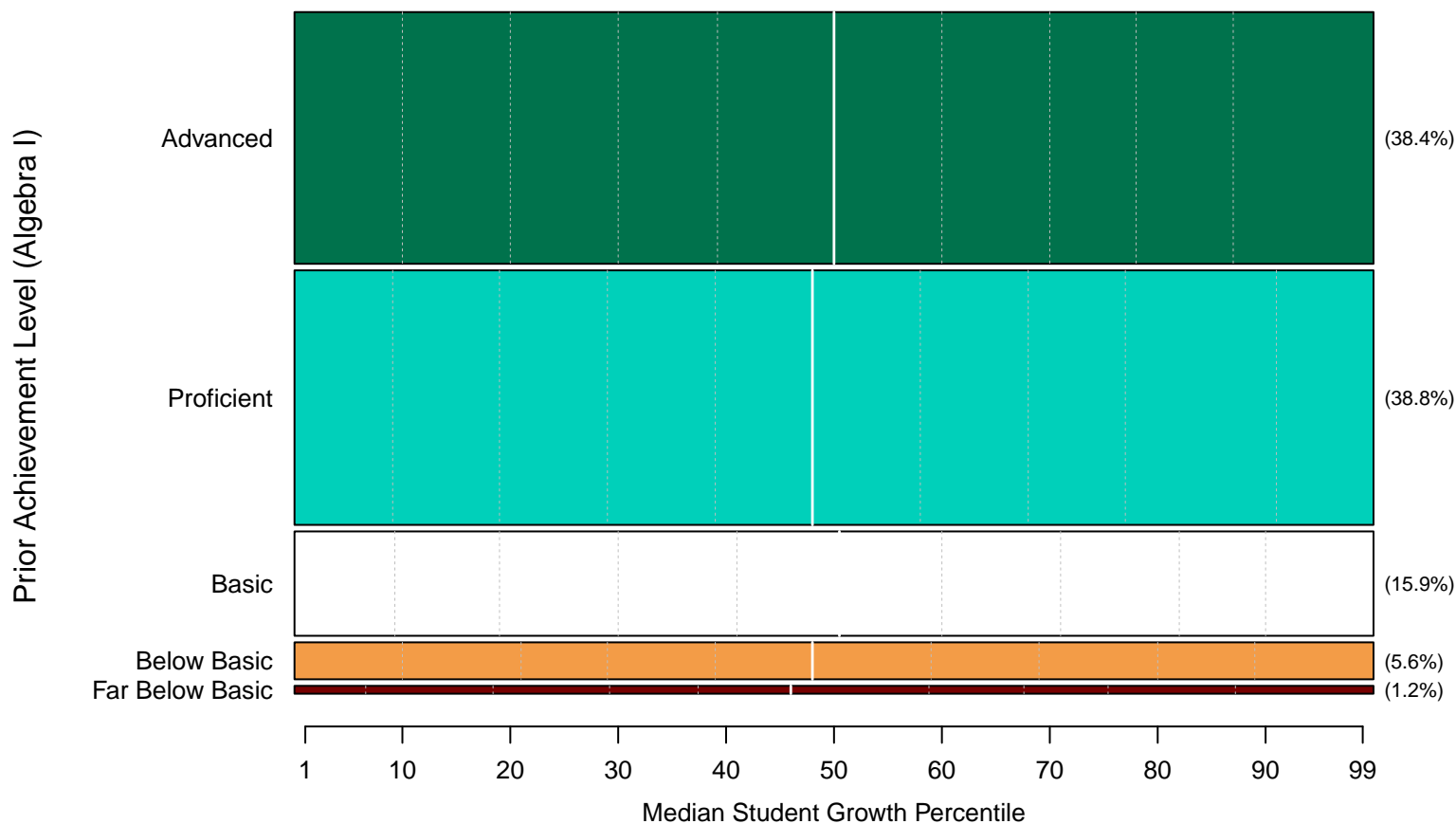
2012 Science SGP, Grade EOCT (N = 3,919)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)

Achievement Level	Percentage
Advanced	(38.4%)
Proficient	(38.8%)
Basic	(15.9%)
Below Basic	(5.6%)
Far Below Basic	(1.2%)

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/[204,313)	10.38	10.38	10.11	9.84	10.38	9.56	8.20	11.48	10.11	9.56	(9.3%)
2nd/[313,342)	10.40	9.07	8.80	8.27	12.00	10.13	9.07	7.20	13.87	11.20	(9.6%)
3rd/[342,366)	8.49	10.38	14.62	10.38	8.25	8.96	12.74	8.73	7.31	10.14	(10.8%)
4th/[366,387)	9.31	11.70	6.91	10.11	9.57	10.90	12.50	10.64	10.90	7.45	(9.6%)
5th/[387,404)	12.02	8.80	10.56	10.56	12.32	7.92	8.80	10.56	8.50	9.97	(8.7%)
6th/[404,423)	10.69	11.20	8.40	13.49	9.41	11.96	10.43	7.12	6.36	10.94	(10%)
7th/[423,445)	7.53	6.35	12.24	6.35	8.47	9.41	15.53	12.94	3.53	17.65	(10.8%)
8th/[445,473)	8.63	14.15	7.67	8.15	10.55	12.71	4.56	9.35	16.31	7.91	(10.6%)
9th/[473,511)	11.41	9.02	9.28	10.61	13.26	7.69	7.16	4.24	27.32	0.00	(9.6%)
10th/[511,600]	10.12	10.82	10.59	14.12	3.53	8.24	19.53	16.94	6.12	0.00	(10.8%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution