Student Growth Percentile Goodness–of–Fit Descriptives
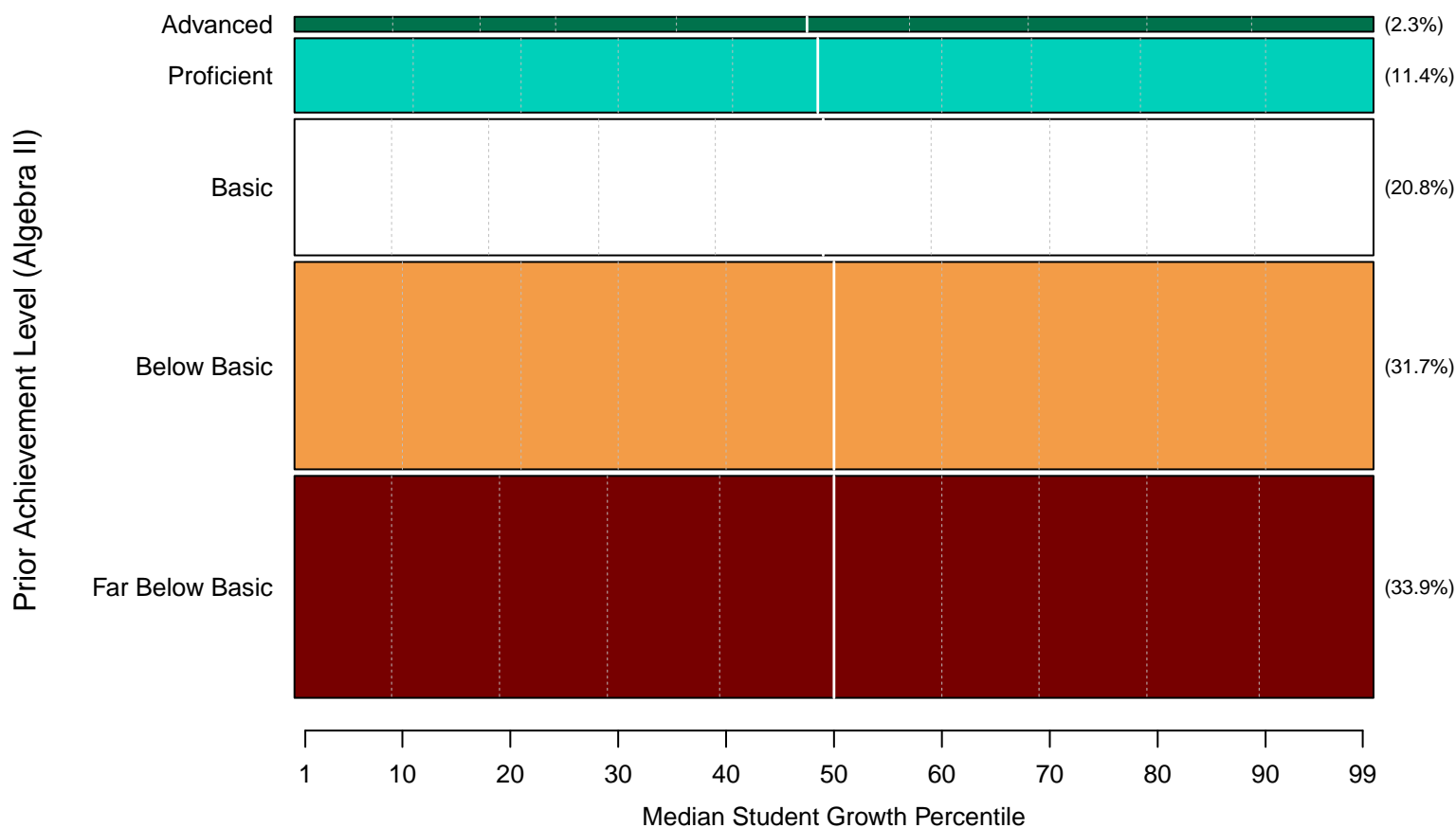
2010 Geometry SGP, Grade EOCT (N = 1,850)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Level	%
Advanced	(2.3%)
Proficient	(11.4%)
Basic	(20.8%)
Below Basic	(31.7%)
Far Below Basic	(33.9%)

Median Student Growth Percentile

1　10　20　30　40　50　60　70　80　90　99

Student Growth Percentile Range

Prior Scale Score Decile/Range *

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/[153,219)	10.87	7.97	12.32	10.14	7.25	12.32	9.42	11.59	8.70	9.42	(7.5%)
2nd/[219,237)	9.30	6.98	12.79	8.14	9.30	11.05	8.72	10.47	12.79	10.47	(9.3%)
3rd/[237,254)	11.93	14.40	4.94	11.93	9.47	9.88	11.11	10.29	6.17	9.88	(13.1%)
4th/[254,264)	9.35	7.91	12.95	9.35	12.23	7.91	10.07	9.35	10.79	10.07	(7.5%)
5th/[264,274)	9.68	9.03	7.10	11.61	9.68	7.74	13.55	7.74	10.97	12.90	(8.4%)
6th/[274,289)	9.86	11.74	12.21	8.92	9.39	9.86	9.86	9.39	9.86	8.92	(11.5%)
7th/[289,308)	9.50	8.00	7.50	12.00	10.00	12.50	9.00	10.00	11.50	10.00	(10.8%)
8th/[308,331)	9.77	11.16	10.23	9.30	11.63	7.91	10.70	9.30	9.30	10.70	(11.6%)
9th/[331,365)	9.84	10.38	9.84	10.38	8.20	10.38	9.84	11.48	10.38	9.29	(9.9%)
10th/[365,553]	9.90	9.90	9.38	10.42	10.42	11.46	11.46	7.81	9.38	9.90	(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