Student Growth Percentile Goodness–of–Fit Descriptives
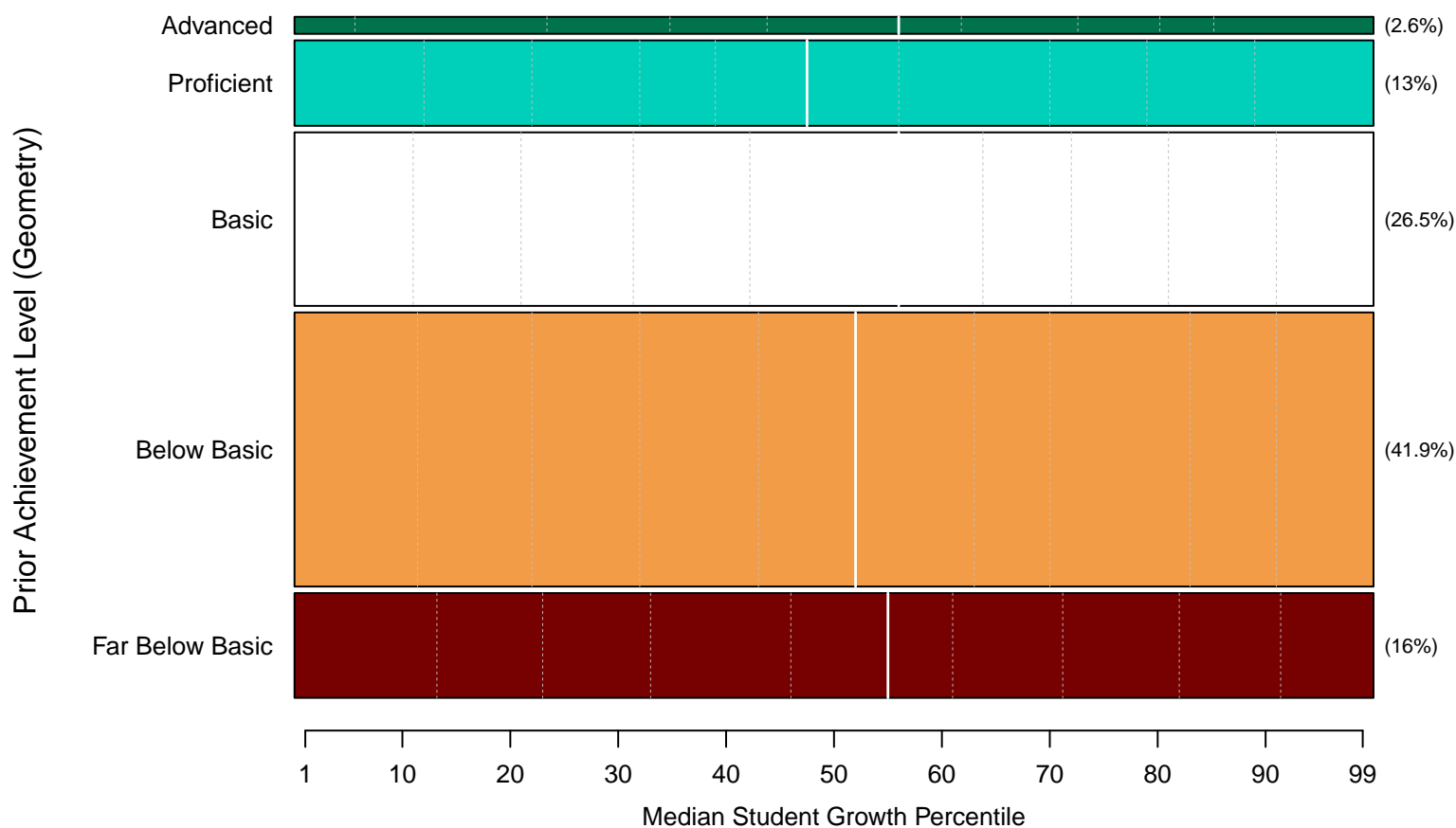
2013 Physics SGP, Grade EOCT (N = 1,732)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

Advanced	(2.6%)
Proficient	(13%)
Basic	(26.5%)
Below Basic	(41.9%)
Far Below Basic	(16%)

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/[183,238)	6.51	8.88	7.69	13.61	7.69	14.20	9.47	8.28	11.83	11.83	(9.8%)
2nd/[238,253)	8.47	8.47	11.86	8.47	8.47	12.99	12.43	7.34	9.04	12.43	(10.2%)
3rd/[253,262)	7.81	10.16	6.25	10.16	11.72	10.94	12.50	8.59	9.38	12.50	(7.4%)
4th/[262,275)	12.18	5.58	11.17	7.61	10.66	9.64	12.69	10.15	12.18	8.12	(11.4%)
5th/[275,287)	7.69	9.62	8.33	6.41	13.46	9.62	10.26	8.97	8.97	16.67	(9%)
6th/[287,300)	8.00	11.43	9.71	6.86	9.71	10.86	11.43	8.57	11.43	12.00	(10.1%)
7th/[300,316)	6.32	12.63	10.53	10.53	7.89	10.53	11.58	11.05	8.95	10.00	(11%)
8th/[316,337)	7.85	9.95	11.52	6.81	7.33	8.38	13.09	10.47	10.99	13.61	(11%)
9th/[337,365)	9.76	9.76	6.71	9.15	9.15	12.20	10.98	11.59	10.98	9.76	(9.5%)
10th/[365,600]	8.65	9.19	10.81	13.51	9.73	9.73	7.57	12.43	11.89	6.49	(10.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution