Student Growth Percentile Goodness–of–Fit Descriptives
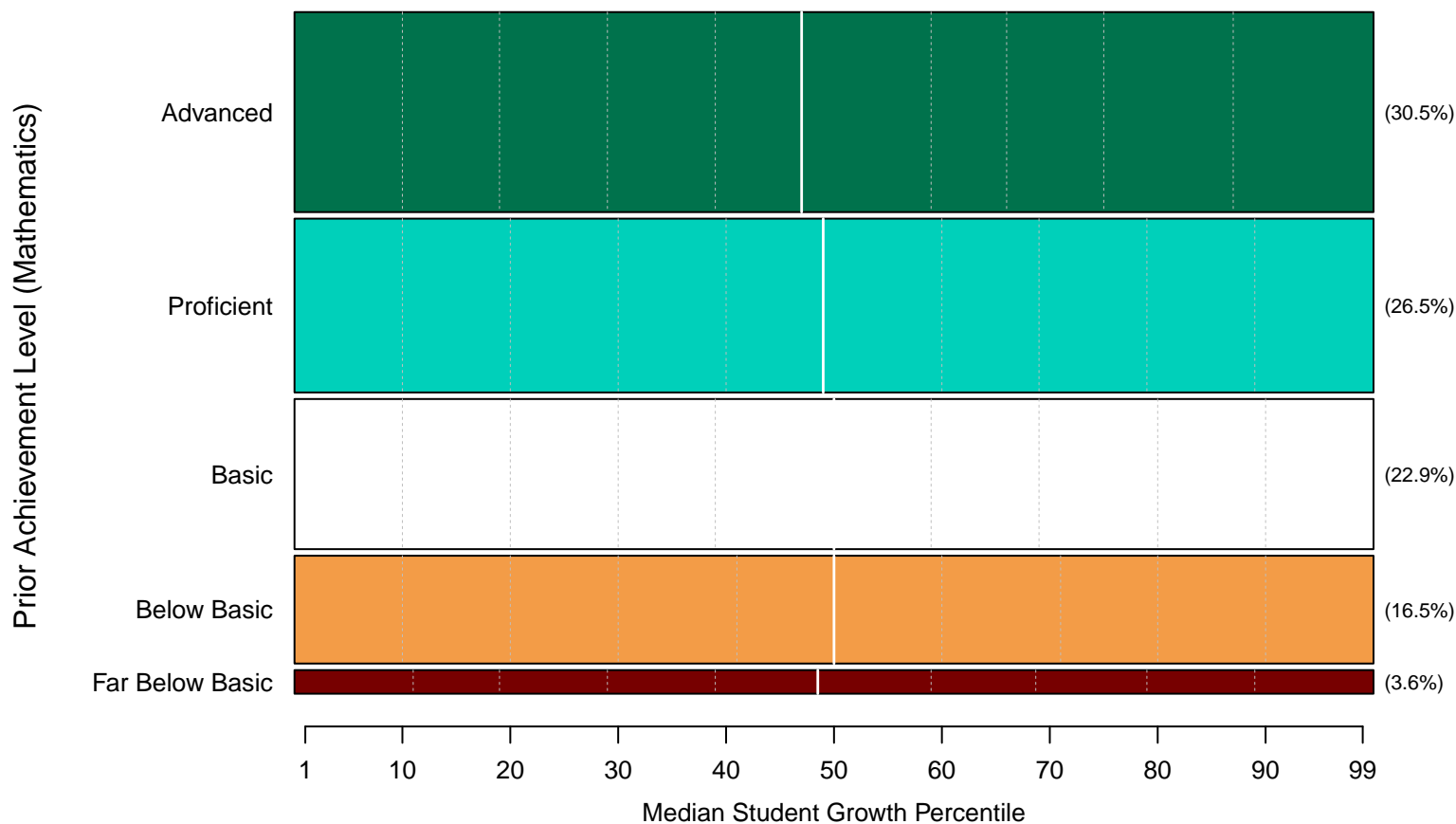
2011 Mathematics SGP, Grade 3 (N = 42,785)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (30.5%)
- Proficient (26.5%)
- Basic (22.9%)
- Below Basic (16.5%)
- Far Below Basic (3.6%)

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/[150,271)	9.65	9.91	9.65	9.81	10.05	9.50	10.51	10.22	9.96	10.74	(9.8%)
2nd/[271,298)	8.91	10.46	10.52	9.62	10.52	9.89	9.54	10.57	9.67	10.30	(8.6%)
3rd/[298,323)	9.75	9.89	10.75	10.82	9.80	9.77	10.40	8.87	9.62	10.33	(9.6%)
4th/[323,344)	10.05	10.27	9.42	9.32	9.95	11.27	9.17	9.73	10.81	10.00	(9.6%)
5th/[344,368)	9.61	9.71	11.03	9.19	9.02	10.84	10.45	9.59	10.78	9.78	(11.2%)
6th/[368,389)	9.28	9.79	10.74	9.21	12.24	9.47	8.21	13.01	7.73	10.31	(9.8%)
7th/[389,415)	9.57	8.98	10.83	9.79	12.28	7.48	12.32	8.53	10.13	10.09	(11%)
8th/[415,437)	10.79	11.34	8.56	12.36	7.70	8.39	14.27	5.18	10.85	10.56	(8.1%)
9th/[437,488)	9.35	11.45	8.65	9.95	9.68	15.41	5.21	9.97	9.23	11.12	(12%)
10th/[488,600]	9.65	11.60	12.10	9.74	8.89	10.48	10.33	13.87	13.33	0.00	(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