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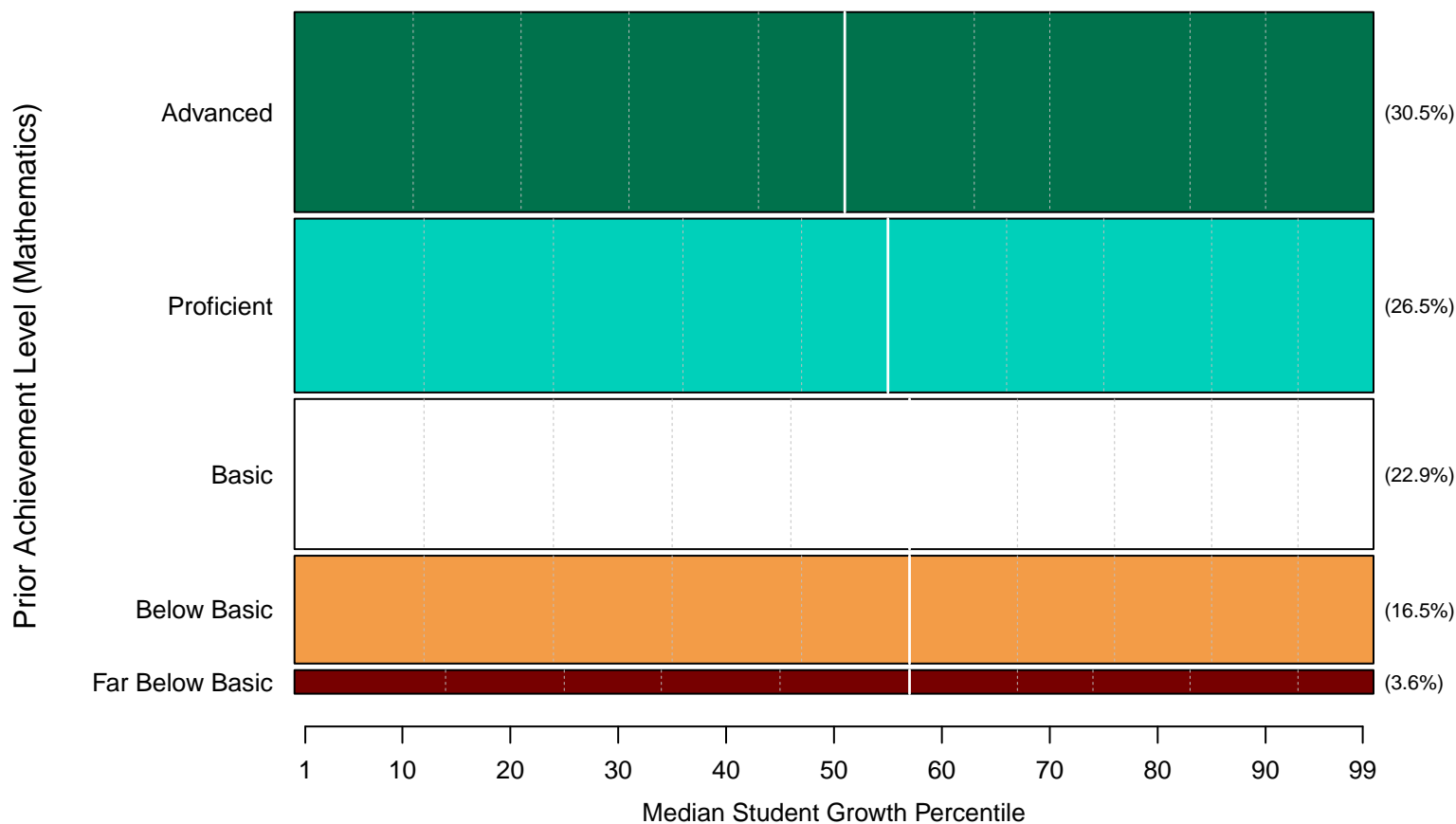
2011 Mathematics SGP, Grade 3 (N = 42,785)

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)	7.50	8.31	8.72	9.34	8.36	8.74	10.62	12.05	12.08	14.27	(9.8%)
2nd/[271,298)	7.79	8.09	9.78	8.17	9.26	10.05	9.75	10.66	12.70	13.74	(8.6%)
3rd/[298,323)	8.33	7.48	9.75	10.23	8.94	9.28	8.70	12.23	10.65	14.40	(9.6%)
4th/[323,344)	7.64	8.59	8.40	8.64	8.96	8.47	12.00	10.15	12.36	14.80	(9.6%)
5th/[344,368)	7.85	8.35	7.70	8.31	10.26	8.46	9.76	11.62	11.76	15.93	(11.2%)
6th/[368,389)	8.14	8.52	8.52	7.37	11.69	9.12	9.38	12.94	10.02	14.30	(9.8%)
7th/[389,415)	8.02	7.51	9.79	8.74	11.11	8.34	9.94	13.48	10.85	12.24	(11%)
8th/[415,437)	9.20	9.72	7.15	10.16	10.33	7.99	14.29	4.57	10.56	16.03	(8.1%)
9th/[437,488)	7.46	9.39	8.69	13.86	5.87	10.92	13.51	9.97	9.23	11.12	(12%)
10th/[488,600]	8.53	11.27	9.74	10.64	11.81	10.48	6.20	11.07	14.01	6.26	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100