Student Growth Percentile Goodness–of–Fit Descriptives
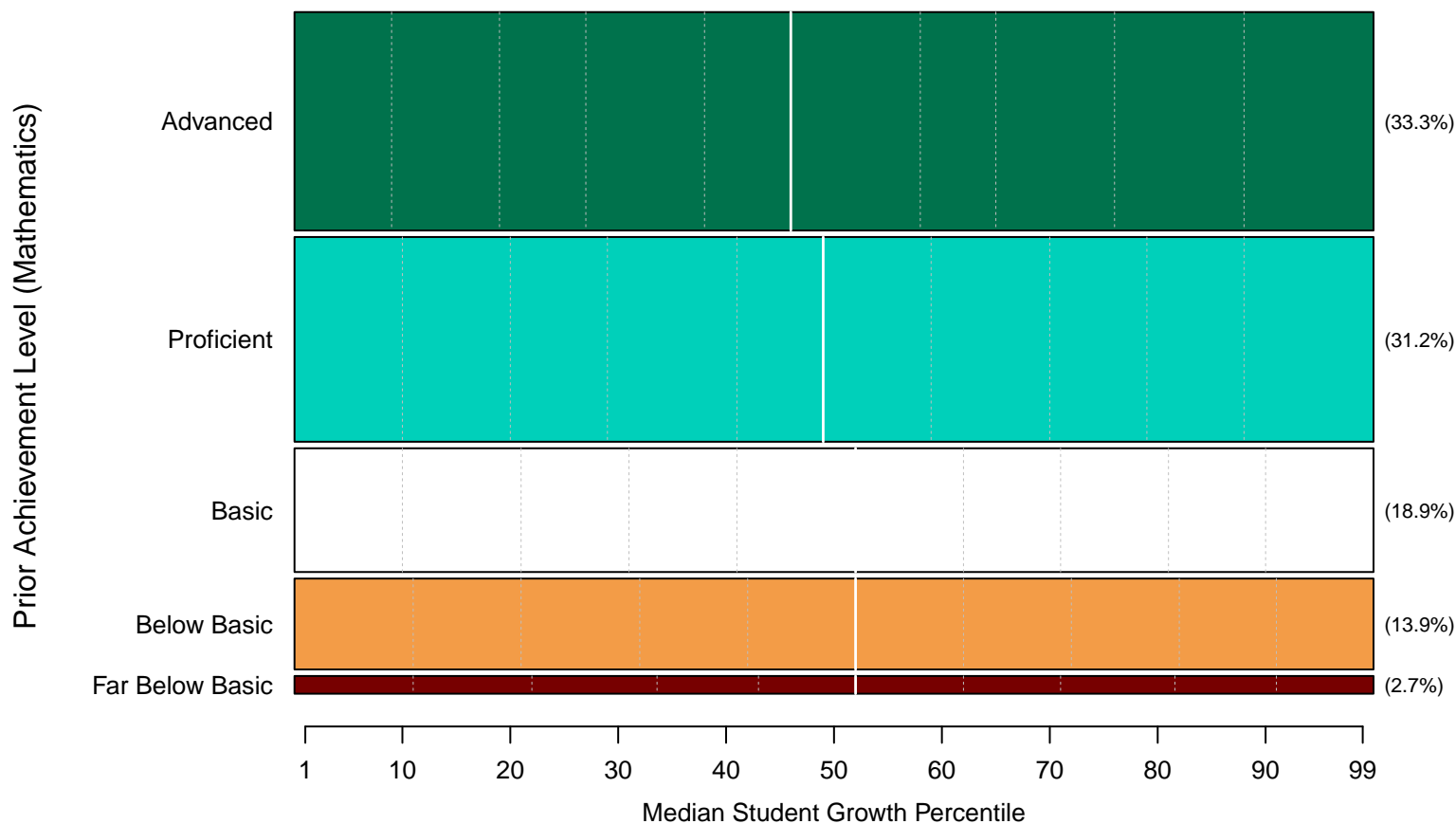## 2012 Mathematics SGP, Grade 3 (N = 42,287)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Advanced	(33.3%)
Proficient	(31.2%)
Basic	(18.9%)
Below Basic	(13.9%)
Far Below Basic	(2.7%)

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/[150,275)	8.48	9.11	9.40	9.67	10.35	11.27	9.67	10.17	10.30	11.59	(9%)
2nd/[275,312)	8.91	10.22	8.89	9.29	10.22	9.23	10.82	10.56	10.75	11.12	(11%)
3rd/[312,333)	9.42	10.45	9.80	8.75	10.98	10.39	9.30	10.30	10.18	10.42	(8.1%)
4th/[333,356)	9.18	8.53	11.06	9.60	10.94	9.04	10.08	10.36	9.62	11.59	(10.2%)
5th/[356,375)	9.53	9.28	11.91	8.20	9.23	12.06	8.77	11.37	11.19	8.46	(9.3%)
6th/[375,398)	9.82	10.79	10.29	8.68	10.57	10.36	10.68	8.45	11.91	8.45	(11%)
7th/[398,416)	9.15	10.33	11.09	10.91	12.27	7.07	8.14	11.37	9.73	9.93	(8.2%)
8th/[416,453)	9.90	10.64	9.65	11.99	8.26	11.00	9.87	9.97	9.33	9.38	(13.1%)
9th/[453,490)	10.93	10.03	10.64	7.40	14.64	11.91	6.68	5.78	13.26	8.73	(8.9%)
10th/[490,600]	11.29	10.55	12.84	9.25	11.45	15.56	5.28	9.00	10.53	4.25	(11.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution