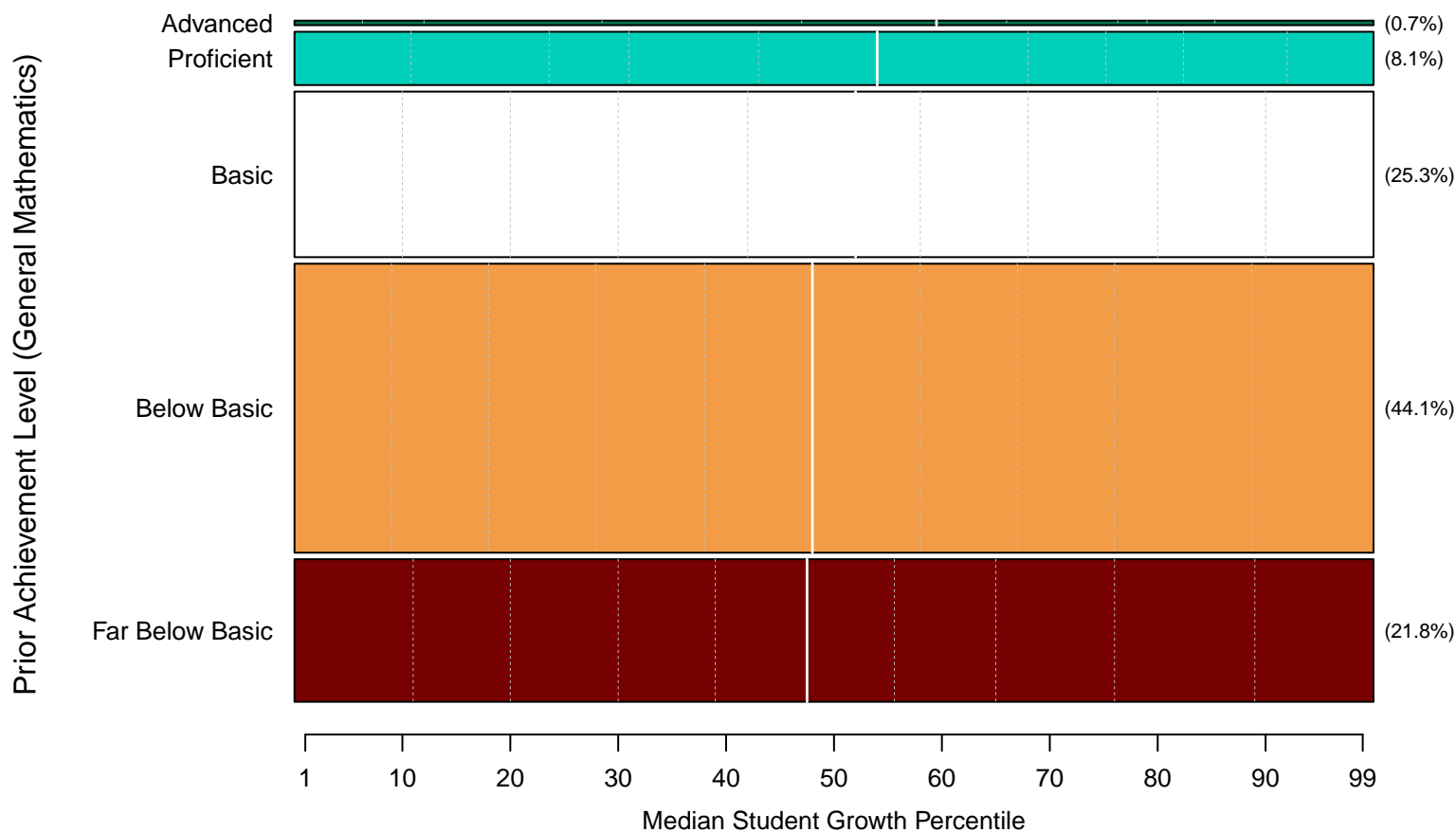# Student Growth Percentile Goodness–of–Fit Descriptives
2010 General Mathematics SGP, Grade EOCT (N = 1,709)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (General Mathematics)

Level	Percentage
Advanced	(0.7%)
Proficient	(8.1%)
Basic	(25.3%)
Below Basic	(44.1%)
Far Below Basic	(21.8%)

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/[189,243)	7.74	12.50	9.52	8.33	11.90	10.71	11.31	10.12	7.74	10.12	(9.8%)
2nd/[243,253)	11.81	4.86	6.94	14.58	9.03	16.67	12.50	8.33	9.03	6.25	(8.4%)
3rd/[253,263)	12.77	11.35	12.77	7.80	13.48	9.93	10.64	4.96	9.93	6.38	(8.3%)
4th/[263,272)	8.38	10.06	10.61	13.41	5.03	15.08	13.41	8.94	6.70	8.38	(10.5%)
5th/[272,285)	9.13	11.42	5.48	9.59	14.61	5.48	13.24	6.85	14.16	10.05	(12.8%)
6th/[285,294)	12.00	12.67	12.67	8.00	10.00	14.00	9.33	7.33	6.67	7.33	(8.8%)
7th/[294,306)	9.24	11.41	12.50	8.15	8.70	7.61	10.87	10.87	9.78	10.87	(10.8%)
8th/[306,322)	8.62	6.90	7.47	8.62	12.64	10.34	13.22	8.05	9.77	14.37	(10.2%)
9th/[322,347)	11.93	13.07	9.09	10.80	9.66	11.93	10.80	6.82	9.09	6.82	(10.3%)
10th/[347,462]	8.05	9.20	12.07	8.62	7.47	8.05	10.34	14.94	10.34	10.92	(10.2%)

*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