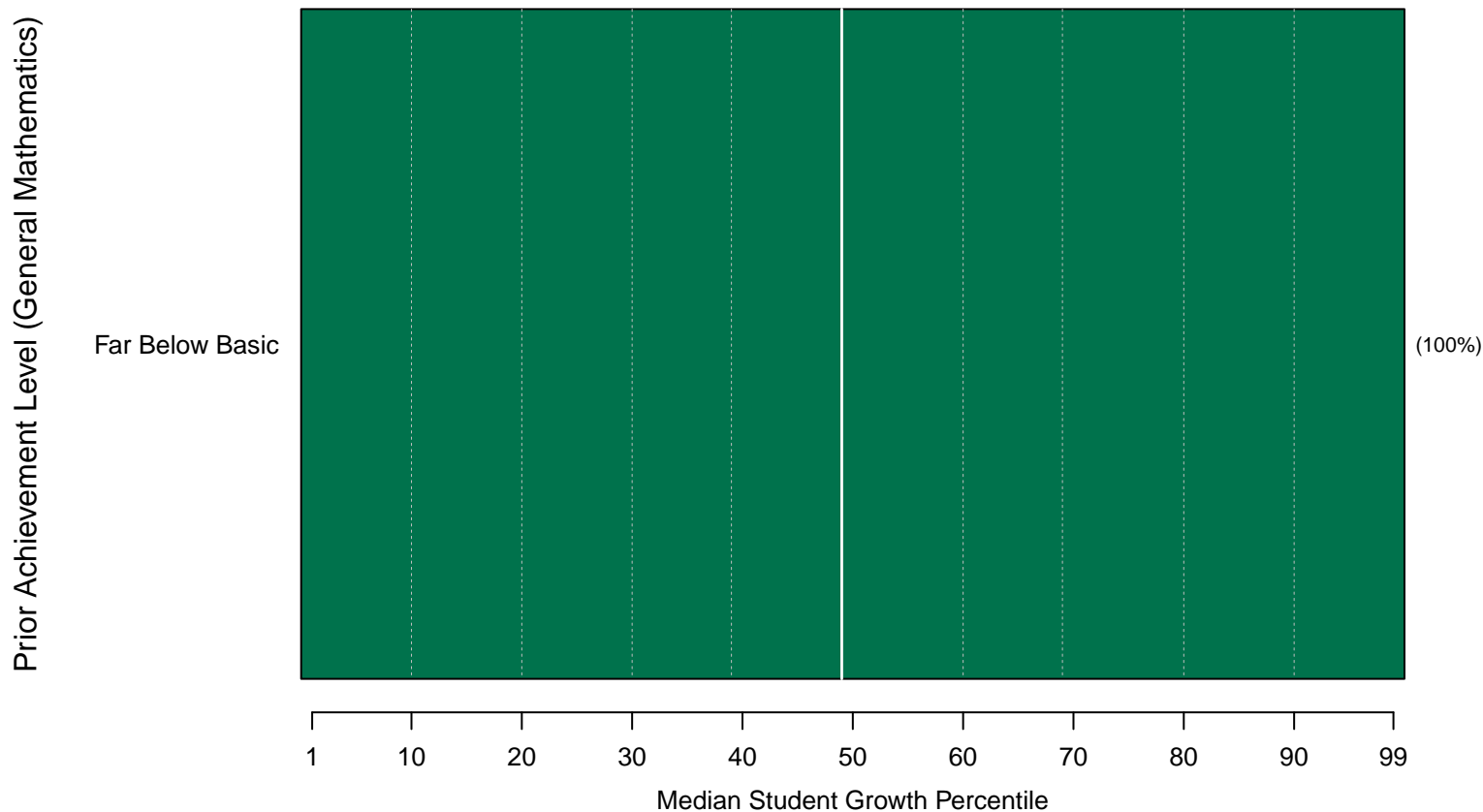# Student Growth Percentile Goodness–of–Fit Descriptives
2012 Algebra I SGP, Grade EOCT (N = 9,767)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (General Mathematics)

Far Below Basic

(100%)

1 10 20 30 40 50 60 70 80 90 99

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/[173,248)	10.71	9.61	9.98	10.83	10.10	9.49	7.91	11.19	10.34	9.85	(8.4%)
2nd/[248,267)	9.32	10.27	11.03	8.17	12.55	9.89	9.79	8.27	9.60	11.12	(10.8%)
3rd/[267,280)	11.09	10.21	7.35	12.51	7.46	10.98	11.31	9.99	9.66	9.44	(9.3%)
4th/[280,292)	10.12	9.42	12.91	9.65	10.00	9.07	9.65	8.95	9.65	10.58	(8.8%)
5th/[292,309)	8.85	10.47	10.55	7.74	11.66	8.85	10.30	10.89	10.55	10.13	(12%)
6th/[309,321)	9.19	9.68	10.54	12.62	7.84	12.75	9.80	7.84	10.42	9.31	(8.4%)
7th/[321,338)	10.70	10.90	7.73	10.90	9.51	9.51	10.60	9.42	9.81	10.90	(10.3%)
8th/[338,360)	8.09	10.20	10.20	11.17	9.50	9.41	9.94	9.85	9.94	11.70	(11.6%)
9th/[360,384)	11.09	10.02	10.23	9.06	9.91	9.28	10.66	11.09	9.28	9.38	(9.6%)
10th/[384,573]	9.46	9.84	9.84	10.12	10.41	10.51	9.93	9.46	10.32	10.12	(10.7%)

*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