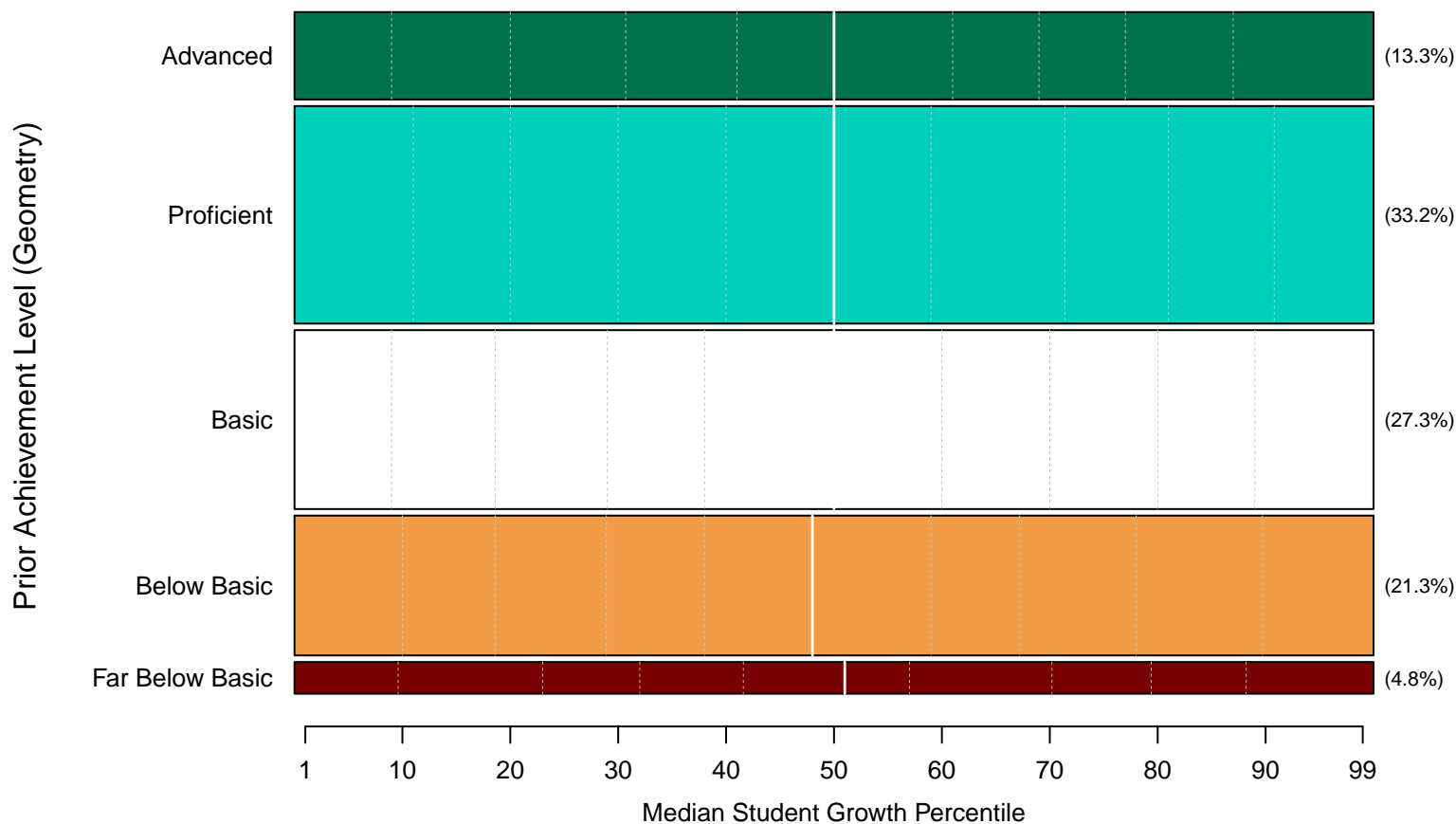# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Summative HS Mathematics SGP, Grade EOCT (N = 1,425)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

Level		Percent
Advanced		(13.3%)
Proficient		(33.2%)
Basic		(27.3%)
Below Basic		(21.3%)
Far Below Basic		(4.8%)

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/[198,262)	10.69	13.74	6.87	9.92	9.16	10.69	7.63	12.98	9.16	9.16	(9.2%)
2nd/[262,283)	9.77	9.77	10.53	9.02	11.28	13.53	7.52	7.52	12.03	9.02	(9.3%)
3rd/[283,308)	8.02	12.96	8.02	9.88	11.11	10.49	10.49	10.49	7.41	11.11	(11.4%)
4th/[308,325)	8.70	6.96	13.91	12.17	11.30	12.17	8.70	8.70	11.30	6.09	(8.1%)
5th/[325,342)	14.19	10.32	7.10	9.68	6.45	9.68	11.61	10.97	10.32	9.68	(10.9%)
6th/[342,361)	8.90	10.27	10.96	13.01	7.53	6.16	8.90	11.64	10.96	11.64	(10.2%)
7th/[361,381)	6.45	10.97	7.74	4.52	14.84	9.68	12.26	8.39	12.90	12.26	(10.9%)
8th/[381,400)	11.11	10.32	10.32	9.52	8.73	12.70	7.14	11.11	7.14	11.90	(8.8%)
9th/[400,431)	8.78	10.14	14.19	13.51	9.46	10.81	8.11	7.43	8.78	8.78	(10.4%)
10th/[431,600)	10.39	9.09	8.44	8.44	12.99	9.09	11.69	12.99	8.44	8.44	(10.8%)

*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