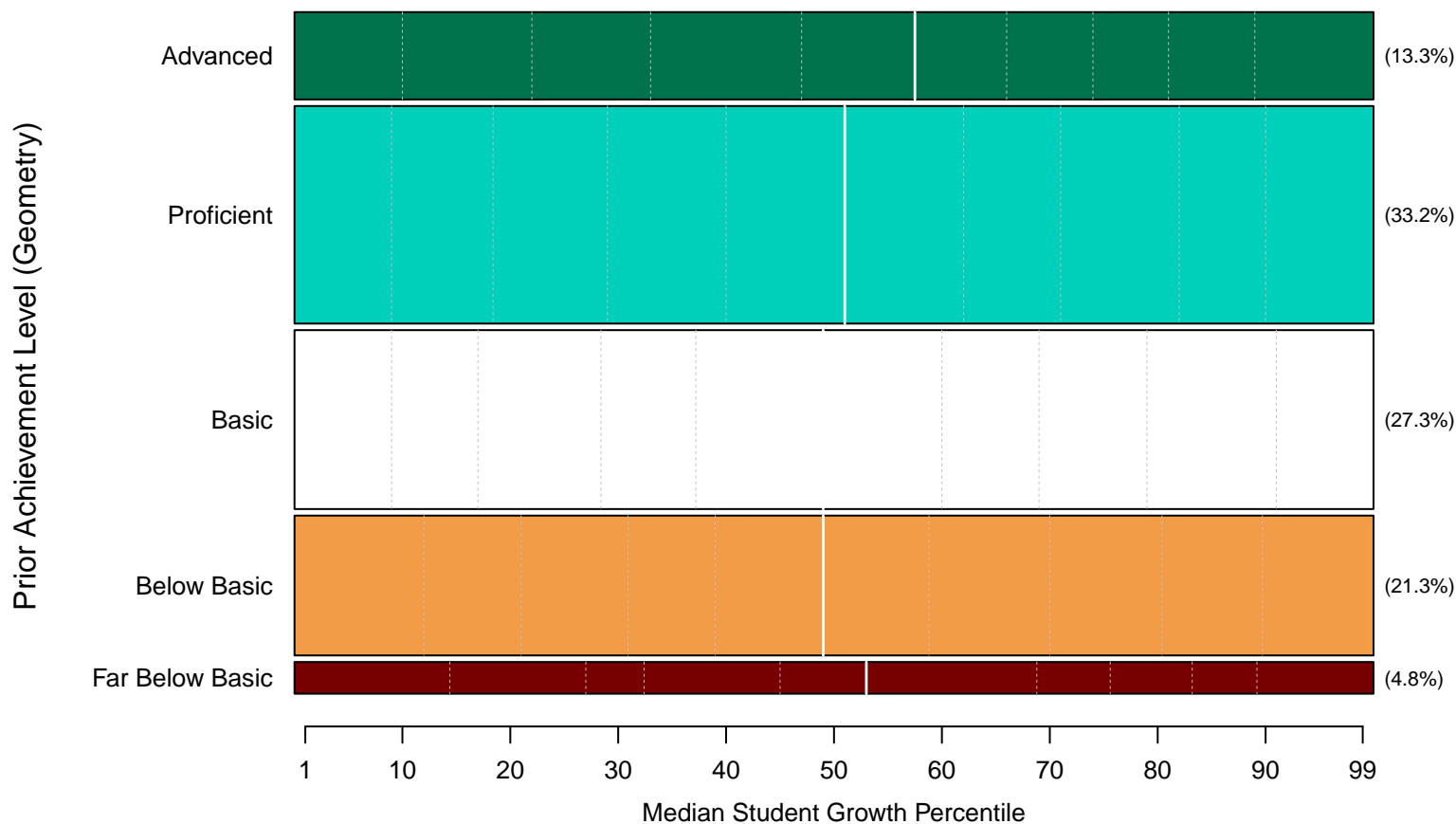# Student Growth Percentile Goodness–of–Fit Descriptives

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

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

Level	(%)
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)	6.87	10.69	12.21	10.69	9.92	7.63	3.82	16.03	10.69	11.45	(9.2%)
2nd/[262,283)	8.27	7.52	9.02	14.29	9.77	12.78	6.77	8.27	15.04	8.27	(9.3%)
3rd/[283,308)	5.56	13.58	9.88	8.64	12.35	9.26	9.26	9.88	6.79	14.81	(11.4%)
4th/[308,325)	7.83	7.83	13.91	11.30	12.17	9.57	11.30	8.70	10.43	6.96	(8.1%)
5th/[325,342)	14.84	10.97	7.10	9.03	9.03	6.45	12.90	12.26	7.74	9.68	(10.9%)
6th/[342,361)	10.96	14.38	10.27	7.53	7.53	6.16	10.27	11.64	10.27	10.96	(10.2%)
7th/[361,381)	8.39	10.32	8.39	6.45	9.03	11.61	12.26	9.68	11.61	12.26	(10.9%)
8th/[381,400)	12.70	11.11	8.73	10.32	3.17	11.11	12.70	11.11	8.73	10.32	(8.8%)
9th/[400,431)	10.14	8.78	14.19	7.43	13.51	9.46	9.46	7.43	11.49	8.11	(10.4%)
10th/[431,600)	8.44	8.44	8.44	4.55	12.99	6.49	14.94	11.04	14.29	10.39	(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