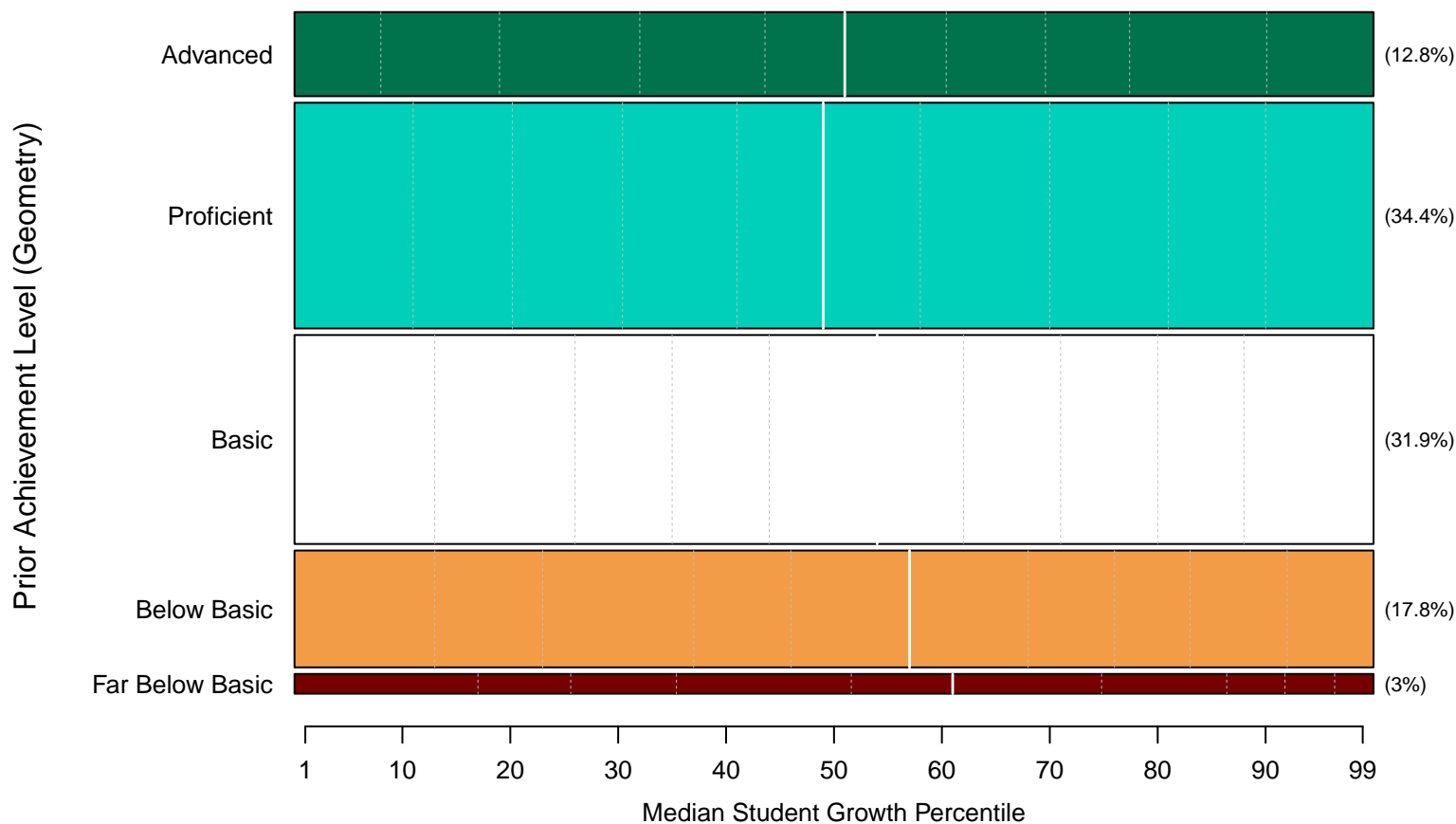# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Summative HS Mathematics SGP, Grade EOCT (N = 1,559)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

Level	Percent
Advanced	(12.8%)
Proficient	(34.4%)
Basic	(31.9%)
Below Basic	(17.8%)
Far Below Basic	(3%)

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/[183,271)	5.84	8.76	10.22	9.49	6.57	7.30	14.60	11.68	12.41	13.14	(8.8%)
2nd/[271,296)	8.86	8.23	9.49	4.43	12.66	10.13	9.49	7.59	13.92	15.19	(10.1%)
3rd/[296,316)	5.52	6.75	9.82	9.82	9.82	7.36	15.95	9.82	10.43	14.72	(10.5%)
4th/[316,333)	9.38	8.12	6.25	13.75	11.88	11.25	8.12	11.88	13.75	5.62	(10.3%)
5th/[333,346)	4.93	8.45	8.45	12.68	11.27	18.31	7.75	11.27	9.86	7.04	(9.1%)
6th/[346,360)	8.78	9.46	11.49	5.41	7.43	10.81	9.46	12.84	15.54	8.78	(9.5%)
7th/[360,376)	10.60	9.27	9.93	9.27	9.27	10.60	10.60	11.26	9.27	9.93	(9.7%)
8th/[376,399)	6.32	9.20	10.34	9.77	17.24	10.92	6.90	10.34	8.05	10.92	(11.2%)
9th/[399,430)	10.98	11.59	12.20	10.37	8.54	12.80	4.88	8.54	8.54	11.59	(10.5%)
10th/[430,600)	10.49	9.88	6.17	11.11	9.88	9.26	11.73	11.73	9.88	9.88	(10.4%)

*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