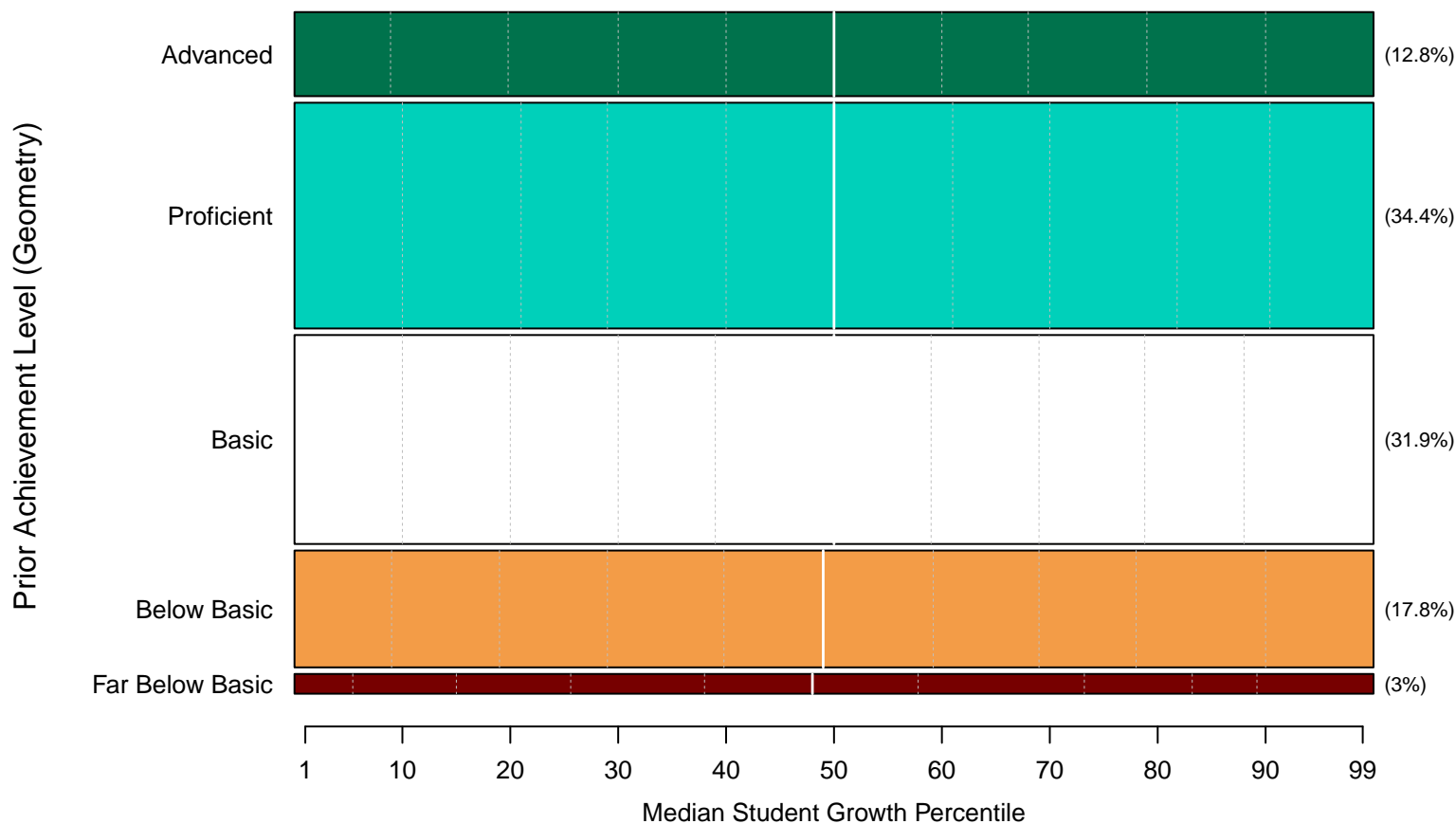# Student Growth Percentile Goodness–of–Fit Descriptives

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

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry): Advanced (12.8%), Proficient (34.4%), Basic (31.9%), Below Basic (17.8%), Far Below Basic (3%)

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/[183,271)	10.95	9.49	10.95	9.49	11.68	8.03	13.14	9.49	9.49	7.30	(8.8%)
2nd/[271,296)	10.13	12.03	8.23	8.23	13.29	8.23	6.96	10.76	10.13	12.03	(10.1%)
3rd/[296,316)	9.20	9.82	9.82	10.43	7.98	11.04	10.43	7.98	10.43	12.88	(10.5%)
4th/[316,333)	11.88	8.75	12.50	10.62	10.00	7.50	10.00	11.88	10.00	6.88	(10.3%)
5th/[333,346)	7.75	8.45	10.56	13.38	8.45	15.49	9.86	11.27	7.75	7.04	(9.1%)
6th/[346,360)	10.14	11.49	8.78	7.43	8.11	7.43	10.81	11.49	14.19	10.14	(9.5%)
7th/[360,376)	11.92	9.93	7.95	9.27	9.27	9.93	11.26	10.60	9.27	10.60	(9.7%)
8th/[376,399)	6.32	9.77	9.77	9.77	14.94	8.62	11.49	9.20	9.20	10.92	(11.2%)
9th/[399,430)	10.37	10.37	14.02	10.37	8.54	10.98	6.71	7.32	9.76	11.59	(10.5%)
10th/[430,600)	10.49	9.88	7.41	11.11	10.49	6.17	14.81	9.88	10.49	9.26	(10.4%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution