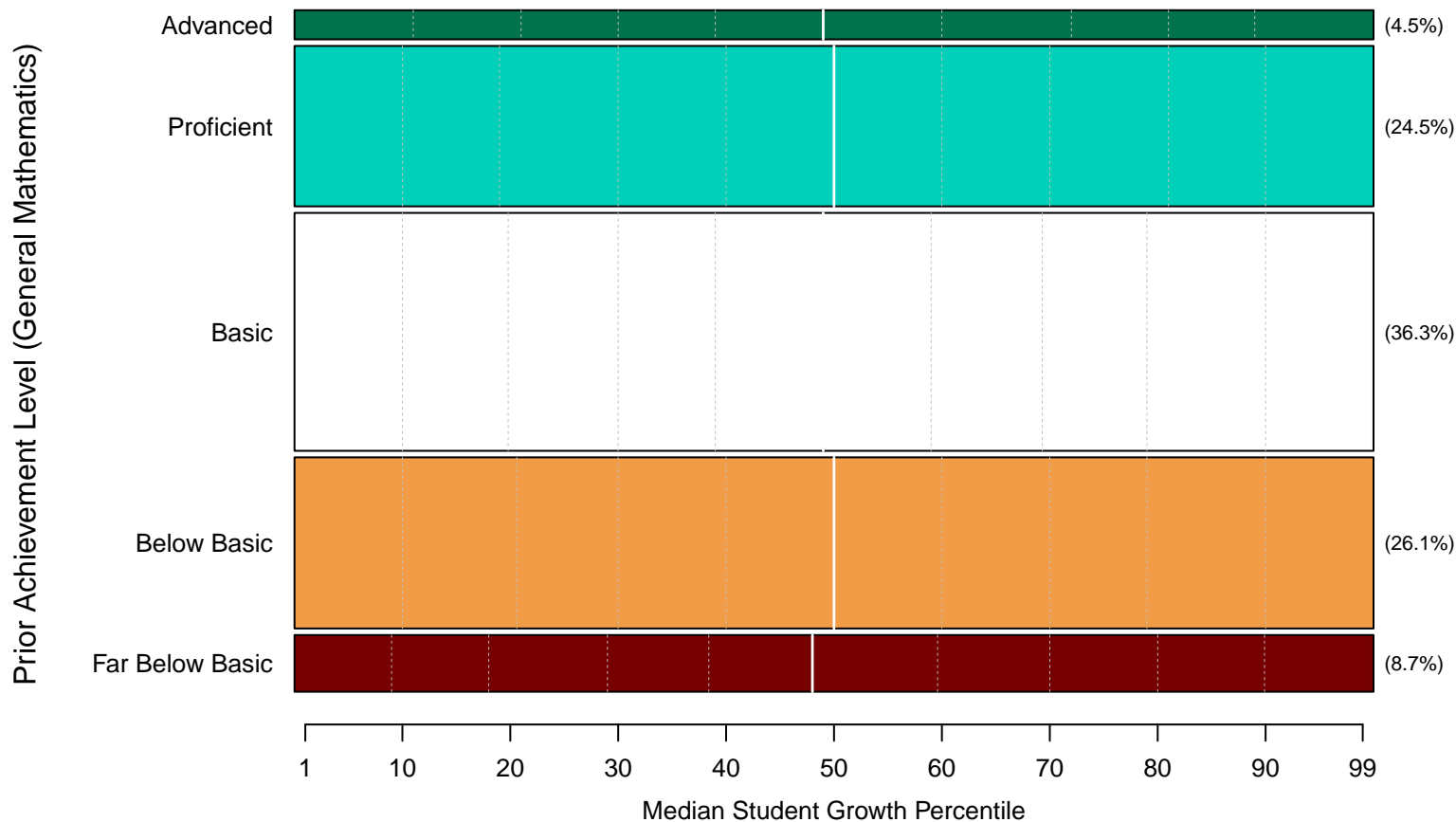# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Algebra I SGP, Grade EOCT (N = 5,454)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (General Mathematics)

- Advanced (4.5%)
- Proficient (24.5%)
- Basic (36.3%)
- Below Basic (26.1%)
- Far Below Basic (8.7%)

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/[175,259)	10.38	10.81	9.53	10.38	9.96	8.90	9.53	9.75	10.59	10.17	(8.7%)
2nd/[259,277)	9.72	8.70	10.93	9.72	8.91	11.13	11.74	10.12	8.91	10.12	(9.1%)
3rd/[277,294)	9.56	11.07	9.23	9.73	10.74	9.56	8.72	11.41	10.40	9.56	(10.9%)
4th/[294,306)	8.46	8.46	11.02	10.04	10.04	11.22	10.83	8.27	9.65	12.01	(9.3%)
5th/[306,318)	10.34	10.90	9.02	11.28	10.15	8.65	8.46	10.53	10.15	10.53	(9.8%)
6th/[318,334)	11.03	10.42	10.12	9.21	9.21	10.88	9.82	9.67	9.82	9.82	(12.1%)
7th/[334,347)	8.39	9.89	9.89	10.11	10.75	9.68	11.61	10.97	9.25	9.46	(8.5%)
8th/[347,365)	8.01	10.68	10.68	9.35	9.85	9.02	9.52	9.85	10.85	12.19	(11%)
9th/[365,384)	11.02	7.63	10.17	11.02	9.75	11.44	10.38	9.53	10.81	8.26	(8.7%)
10th/[384,573)	10.24	11.01	9.33	10.09	10.09	9.79	9.63	10.09	9.48	10.24	(12%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution