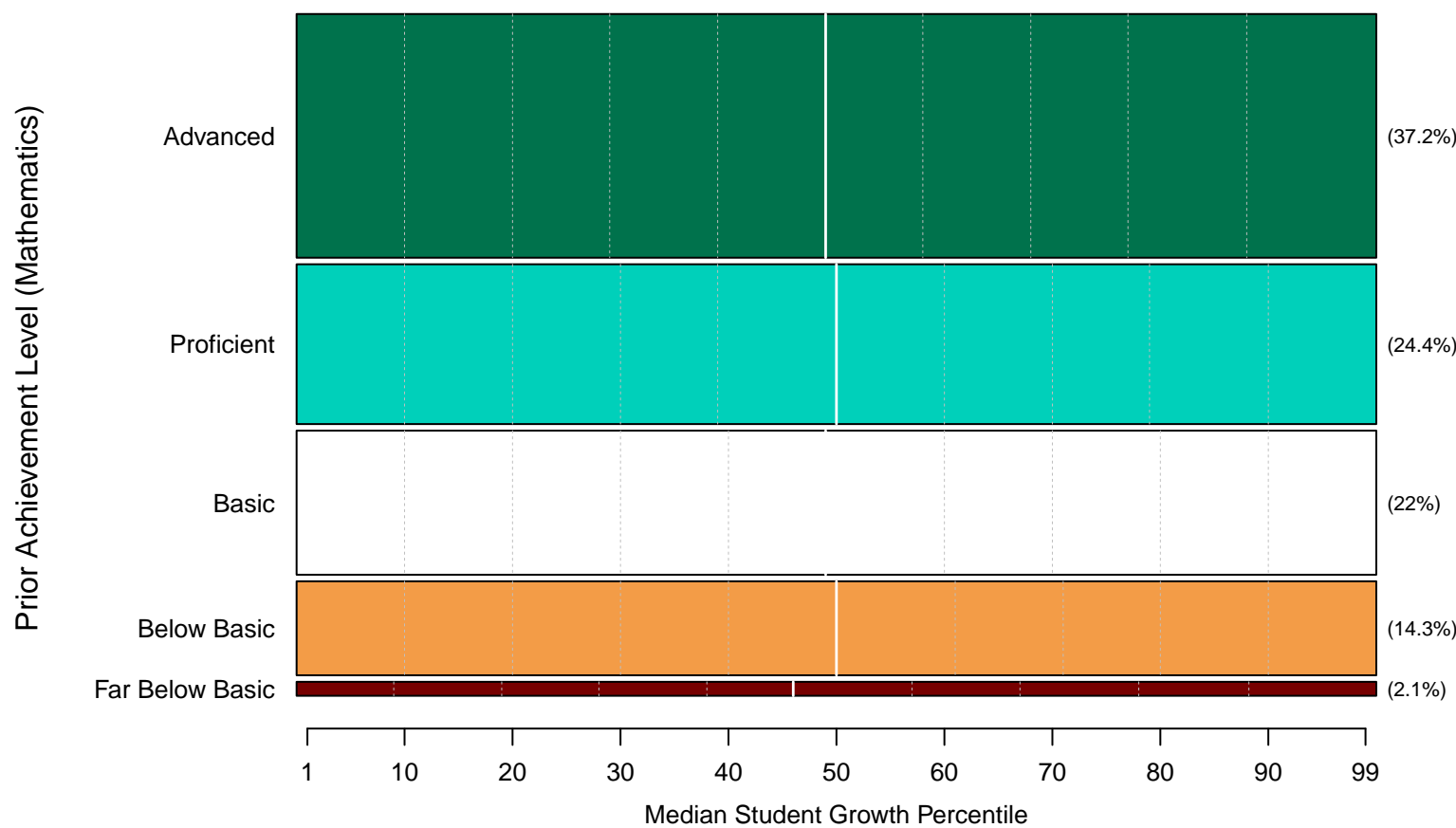# Student Growth Percentile Goodness–of–Fit Descriptives
2010 Mathematics SGP, Grade 5 (N = 45,054)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (37.2%)
- Proficient (24.4%)
- Basic (22%)
- Below Basic (14.3%)
- Far Below Basic (2.1%)

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/[163,279)	9.67	10.22	10.67	9.34	9.77	9.67	10.53	9.82	9.84	10.46	(9.3%)
2nd/[279,307)	9.45	9.81	9.57	11.17	9.23	10.77	8.78	10.88	9.81	10.52	(10%)
3rd/[307,330)	9.27	11.42	9.45	9.96	10.41	9.45	10.55	9.71	8.93	10.85	(9.7%)
4th/[330,351)	9.43	9.13	10.61	9.48	10.52	9.15	10.70	9.67	11.60	9.72	(9.4%)
5th/[351,370)	10.15	10.26	10.90	10.03	9.63	9.82	10.10	8.74	10.57	9.82	(9.5%)
6th/[370,394)	9.15	9.76	9.67	10.32	9.92	10.84	8.04	12.31	8.38	11.62	(11.6%)
7th/[394,410)	9.98	9.13	10.99	9.69	8.15	9.66	11.74	12.28	7.81	10.58	(7.1%)
8th/[410,443)	9.81	10.58	10.23	9.41	10.79	10.09	11.01	7.91	10.95	9.21	(12.6%)
9th/[443,482)	9.38	9.76	11.10	9.33	10.42	9.58	9.02	10.49	11.03	9.90	(9.8%)
10th/[482,600]	10.67	10.10	8.93	13.31	8.57	8.93	16.94	8.00	10.10	4.46	(11%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution