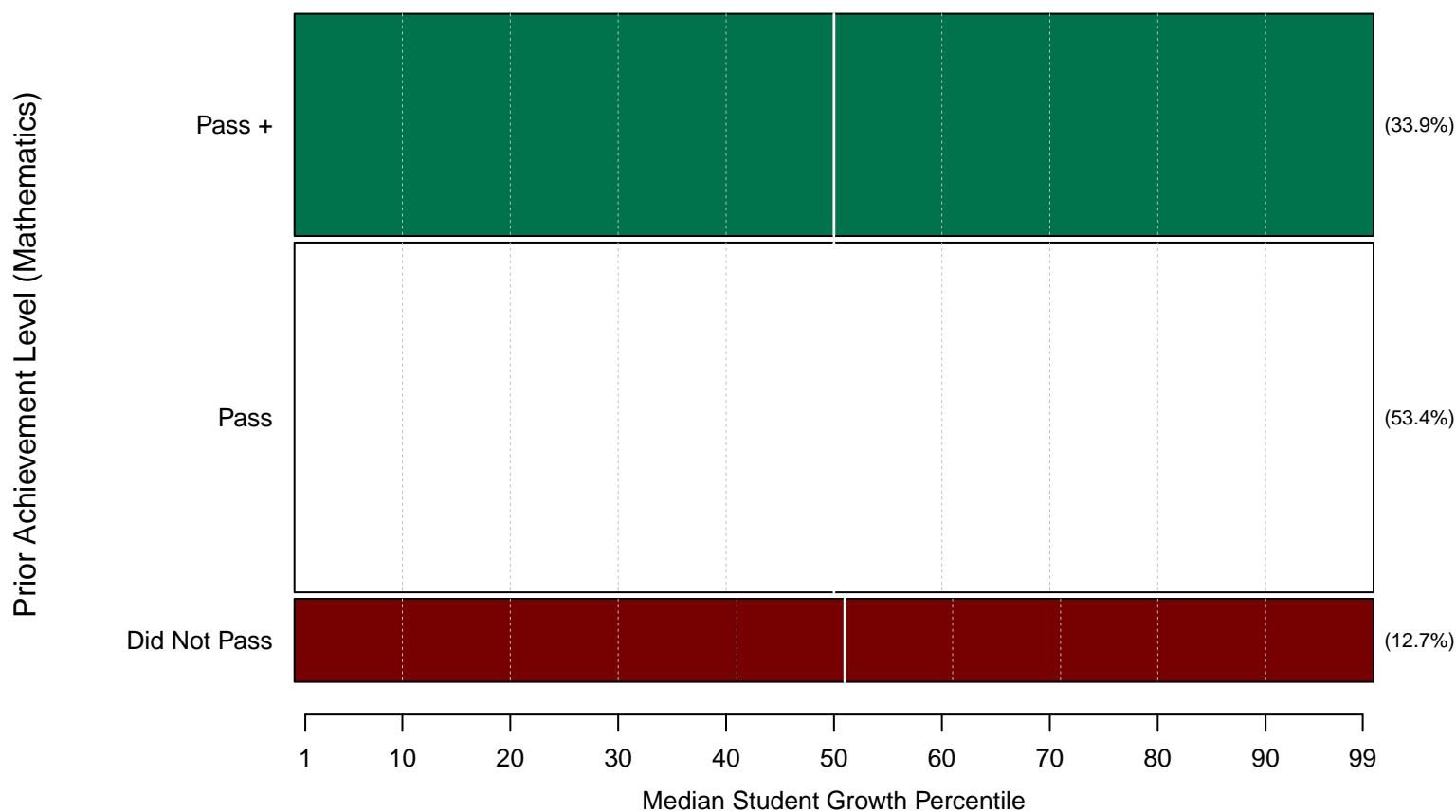# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Mathematics SGP, Grade 6 (N = 79,203)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Pass + (33.9%)
- Pass (53.4%)
- Did Not Pass (12.7%)

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/[245,453)	9.67	10.14	9.82	9.54	10.06	10.05	9.93	10.04	10.04	10.70	(9.9%)
2nd/[453,482)	9.66	10.14	10.10	10.46	9.45	9.84	9.98	9.92	10.06	10.39	(9.7%)
3rd/[482,503)	9.55	10.17	10.07	9.82	10.70	9.73	9.69	10.13	9.44	10.69	(10.2%)
4th/[503,519)	9.61	9.81	9.72	9.46	9.71	10.34	10.31	10.04	10.39	10.60	(10.1%)
5th/[519,533)	9.49	9.60	10.39	10.33	9.70	9.81	9.99	9.86	10.21	10.62	(9.7%)
6th/[533,547)	9.33	9.75	9.58	9.75	10.06	9.75	10.20	10.46	10.25	10.87	(10.1%)
7th/[547,561)	9.52	10.51	10.04	10.09	10.26	10.11	9.92	9.70	9.70	10.14	(9.7%)
8th/[561,579)	9.71	10.03	9.83	10.18	9.93	9.87	9.76	10.34	9.72	10.65	(10.2%)
9th/[579,606)	9.57	10.11	10.47	9.68	10.04	9.78	10.10	9.55	9.99	10.73	(10.2%)
10th/[606,775]	9.37	9.72	9.80	10.01	9.91	10.09	9.92	10.32	10.39	10.46	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution