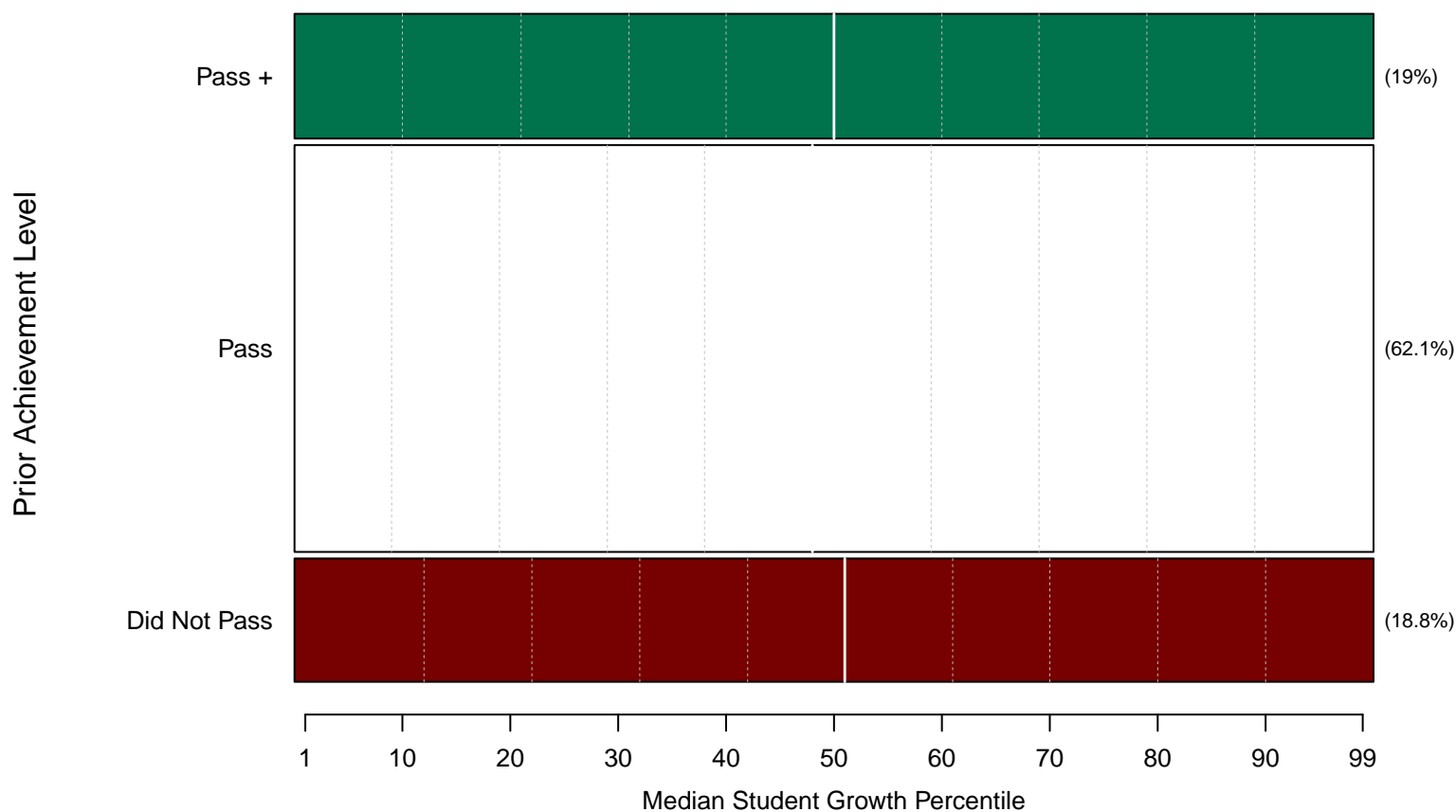# Student Growth Percentile Goodness–of–Fit Descriptives

2011 Mathematics SGP, Grade 7 (N = 76,431)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Pass +	(19%)
Pass	(62.1%)
Did Not Pass	(18.8%)

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/[290,459)	7.90	9.80	10.13	10.13	10.79	10.73	10.18	10.40	9.48	10.47	(9.8%)
2nd/[459,489)	8.07	9.63	10.42	9.86	10.07	10.49	10.39	10.42	10.18	10.46	(10%)
3rd/[489,508)	9.38	10.52	9.82	10.77	9.87	10.45	10.05	9.77	9.65	9.72	(10%)
4th/[508,524)	9.61	10.03	10.30	10.83	9.74	10.49	10.61	9.57	9.13	9.69	(9.9%)
5th/[524,539)	9.78	10.59	11.05	9.27	10.36	9.79	9.73	9.75	9.70	9.98	(10.3%)
6th/[539,554)	10.32	10.22	10.17	10.55	9.87	10.00	9.52	9.38	9.97	10.01	(10.1%)
7th/[554,569)	11.11	10.65	10.57	10.49	10.06	9.28	9.95	9.26	9.12	9.50	(9.5%)
8th/[569,587)	10.22	10.22	10.35	10.14	9.64	9.62	9.77	10.09	9.88	10.07	(10.1%)
9th/[587,613)	10.02	9.53	9.89	9.75	10.40	10.20	10.35	9.63	9.68	10.55	(10.2%)
10th/[613,790]	9.15	9.27	10.08	10.37	10.66	10.33	10.62	10.33	10.23	8.96	(10.3%)

*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