Student Growth Percentile Goodness–of–Fit Descriptives
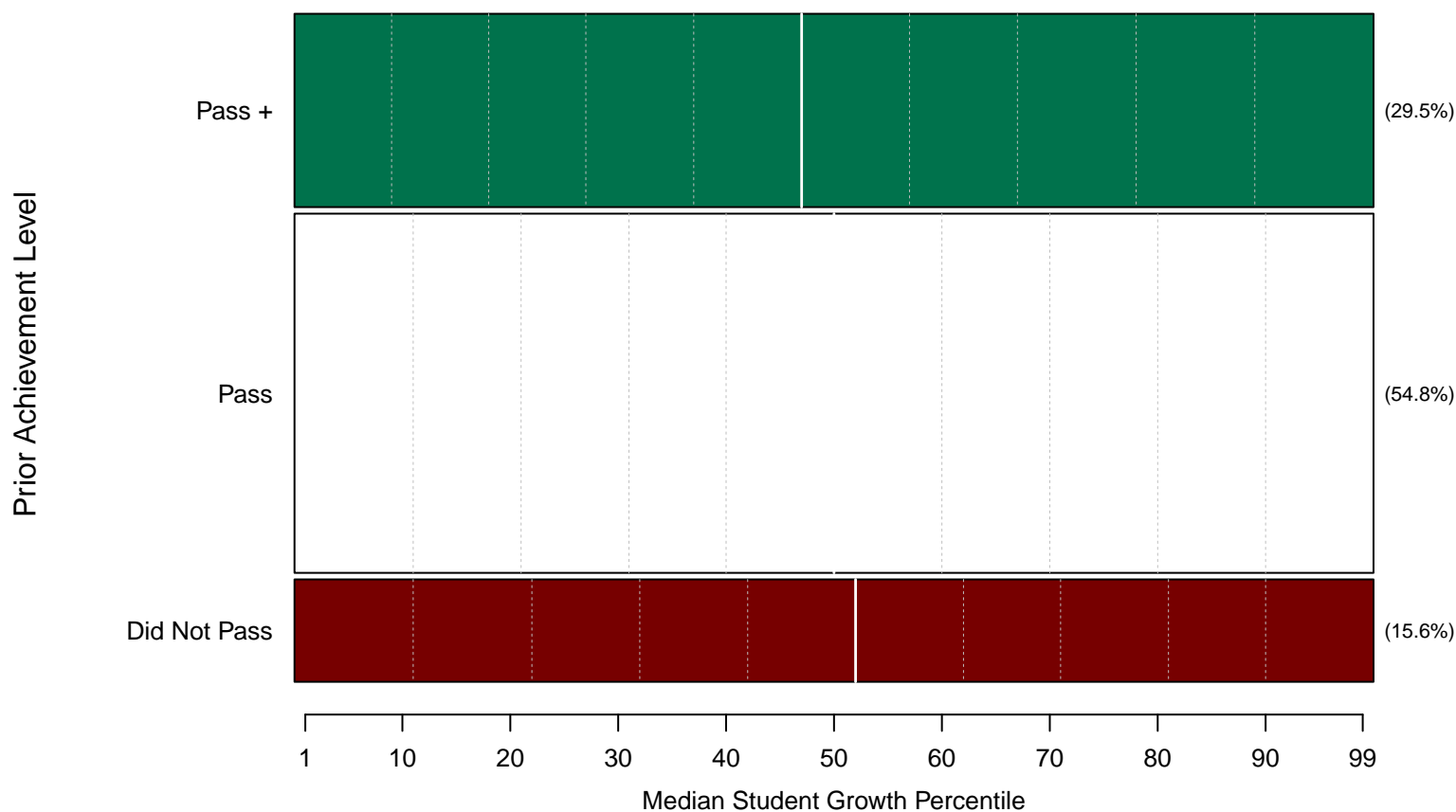## 2011 Mathematics SGP, Grade 6 (N = 77,155)

SGP Deciles by Prior Achievement Level

Prior Achievement Level:
- Pass + (29.5%)
- Pass (54.8%)
- Did Not Pass (15.6%)

Median Student Growth Percentile (x-axis: 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/[245,443)	8.95	9.49	9.55	10.10	10.38	9.98	10.11	10.28	10.32	10.84	(9.8%)
2nd/[443,473)	7.47	9.09	9.76	9.61	10.26	10.36	10.73	10.73	10.97	11.03	(9.9%)
3rd/[473,494)	7.84	9.55	10.27	9.90	10.43	10.86	9.69	10.47	10.42	10.58	(10.3%)
4th/[494,510)	8.36	9.29	10.18	10.03	10.40	10.10	10.63	10.28	10.24	10.49	(9.9%)
5th/[510,525)	9.12	9.99	9.75	10.32	10.04	10.21	10.20	10.40	9.65	10.32	(9.7%)
6th/[525,539)	8.46	10.65	10.47	10.44	10.92	9.82	9.53	9.87	10.10	9.74	(9.8%)
7th/[539,555)	10.04	10.23	10.61	10.14	9.43	10.14	9.82	9.41	9.99	10.19	(10.5%)
8th/[555,573)	10.30	10.48	11.00	10.07	10.60	9.72	9.54	9.60	9.52	9.17	(9.8%)
9th/[573,601)	10.58	10.92	10.54	10.09	10.23	9.69	10.00	9.63	8.85	9.46	(10%)
10th/[601,775]	11.18	11.47	10.40	10.08	9.77	9.73	9.39	9.08	9.24	9.67	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis: 0 to 100)
Empirical SGP Distribution (y-axis: 0 to 100)