Student Growth Percentile Goodness–of–Fit Descriptives
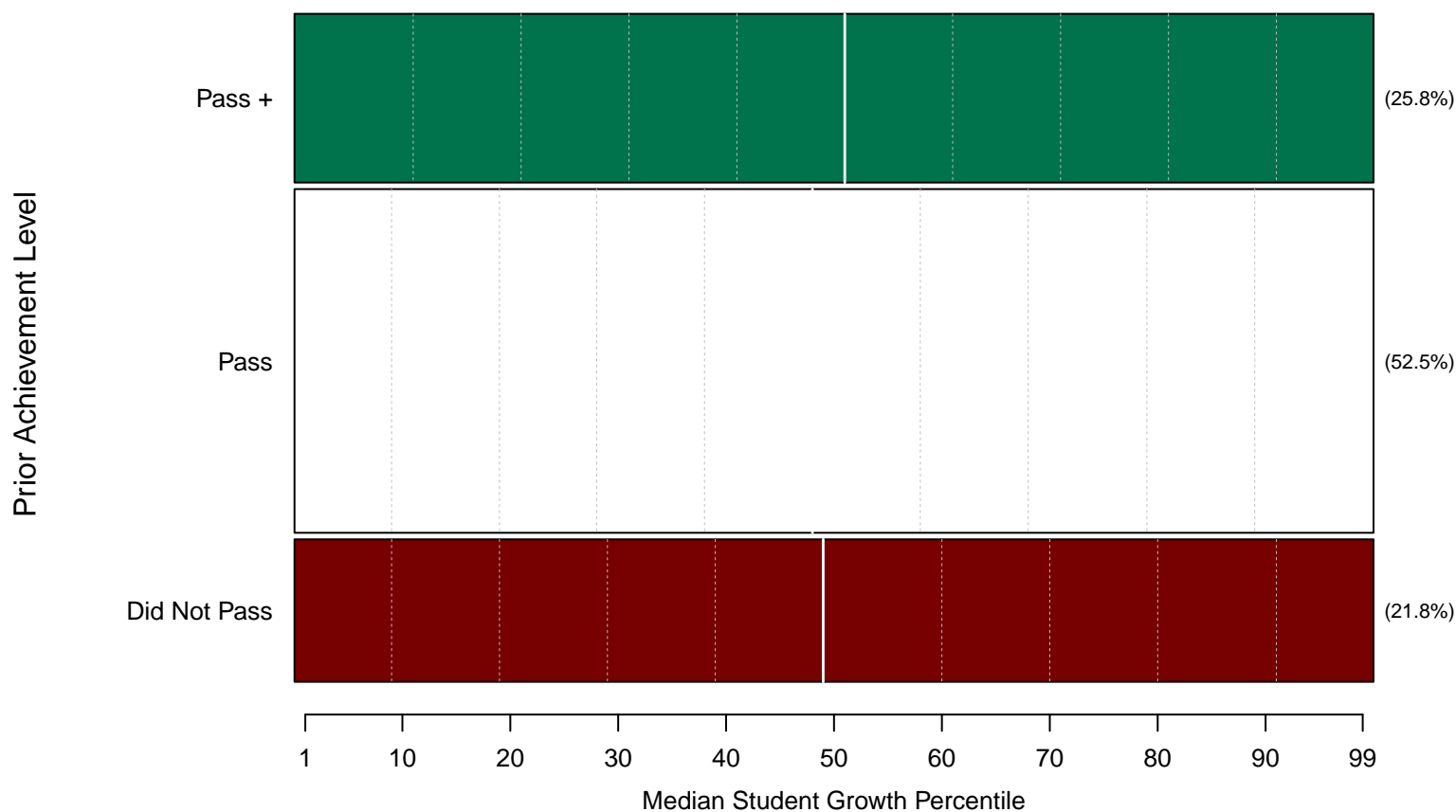
2011 Mathematics SGP, Grade 8 (N = 76,620)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Pass + (25.8%)
- Pass (52.5%)
- Did Not Pass (21.8%)

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/[315,472)	9.83	9.99	10.02	9.88	9.78	9.79	9.80	10.21	9.30	11.39	(9.9%)
2nd/[472,506)	10.25	10.76	10.31	10.11	9.61	9.34	9.45	9.79	9.30	11.08	(10%)
3rd/[506,527)	11.92	10.39	10.33	9.55	10.15	9.51	9.73	9.29	9.45	9.67	(9.9%)
4th/[527,545)	11.24	10.71	10.55	10.01	10.50	9.44	9.87	8.93	9.26	9.49	(10.2%)
5th/[545,561)	10.17	10.47	10.02	10.60	9.49	10.31	9.05	9.86	9.82	10.21	(9.7%)
6th/[561,577)	9.73	10.21	10.67	9.95	9.73	10.04	10.41	9.86	9.79	9.61	(10%)
7th/[577,595)	9.57	10.31	10.31	10.24	10.57	9.64	10.08	9.79	9.71	9.78	(10.4%)
8th/[595,615)	10.06	10.13	9.93	10.25	10.54	10.09	9.72	9.68	9.67	9.94	(9.9%)
9th/[615,644)	9.07	9.35	10.17	10.27	10.02	10.77	10.04	9.87	9.54	10.90	(10%)
10th/[644,810]	8.30	9.30	9.56	9.88	9.72	9.65	9.66	10.14	11.20	12.60	(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