Student Growth Percentile Goodness–of–Fit Descriptives
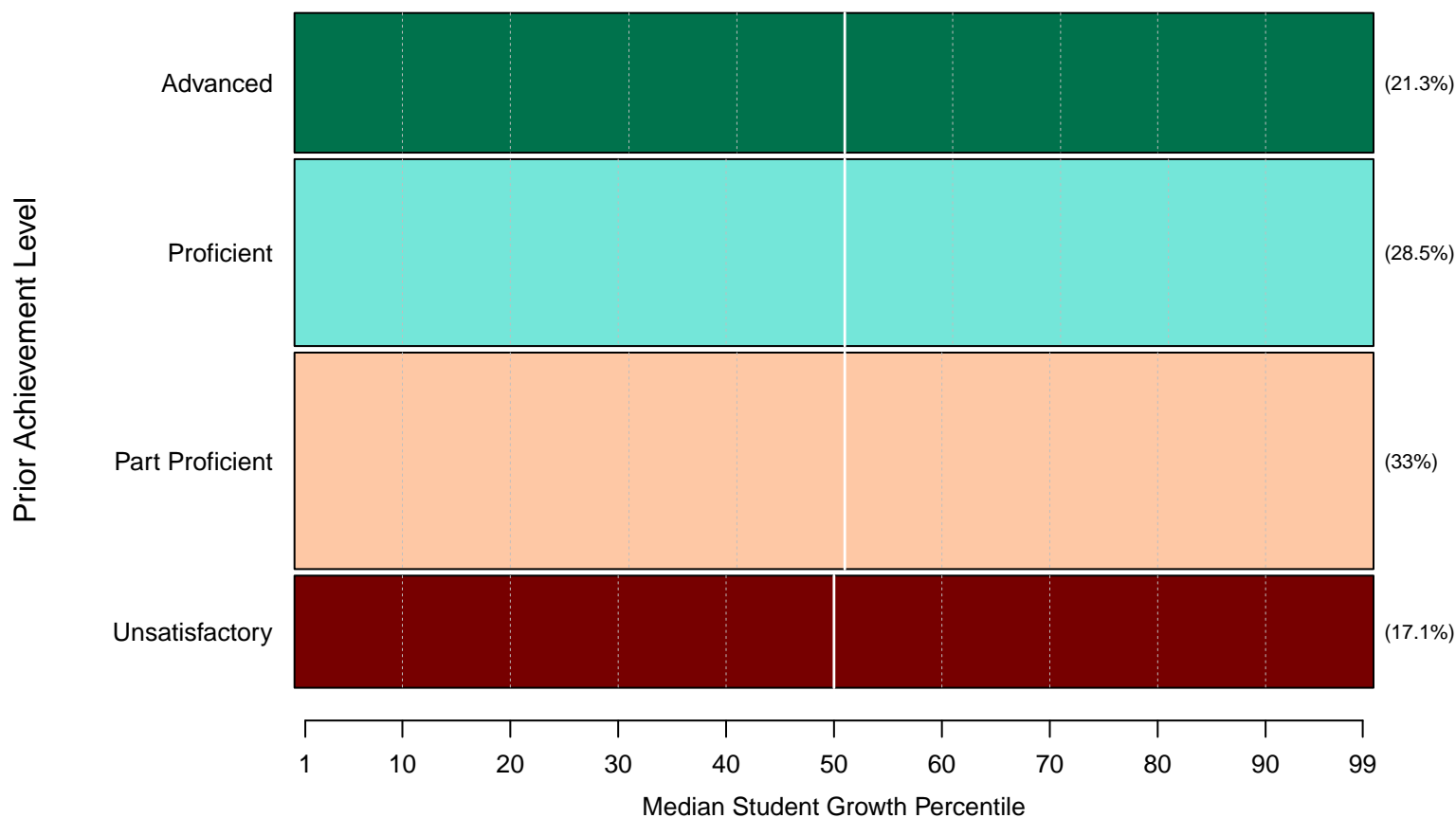
2011 Mathematics SGP, Grade 8 (N = 54,539)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (y-axis): Advanced (21.3%), Proficient (28.5%), Part Proficient (33%), Unsatisfactory (17.1%)

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/[280,459)	9.48	9.96	9.74	10.34	10.14	9.92	9.72	9.83	10.07	10.82	(10%)
2nd/[459,495)	9.85	9.59	9.66	9.57	10.13	9.81	10.40	10.28	9.68	11.02	(9.8%)
3rd/[495,519)	9.26	9.52	9.57	9.61	10.02	10.40	9.89	10.16	10.61	10.96	(9.9%)
4th/[519,540)	9.50	9.86	10.30	10.12	9.95	10.23	10.23	9.59	9.62	10.61	(10.1%)
5th/[540,558)	9.53	9.65	9.26	9.70	9.98	10.61	9.74	10.43	9.72	11.38	(9.8%)
6th/[558,576)	9.22	10.20	9.57	9.81	9.64	9.98	10.12	10.23	10.14	11.08	(10%)
7th/[576,595)	8.74	10.10	9.97	9.94	9.81	9.81	10.28	9.92	10.45	10.97	(10.1%)
8th/[595,616)	10.40	9.22	10.09	9.92	9.96	10.13	9.74	9.42	10.50	10.63	(9.9%)
9th/[616,643)	9.54	9.95	9.38	9.92	9.43	9.92	10.24	10.48	9.72	11.42	(10.1%)
10th/[643,860]	9.28	9.58	10.26	10.40	10.28	9.53	10.31	9.90	9.85	10.62	(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, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution (y-axis): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100