Student Growth Percentile Goodness–of–Fit Descriptives
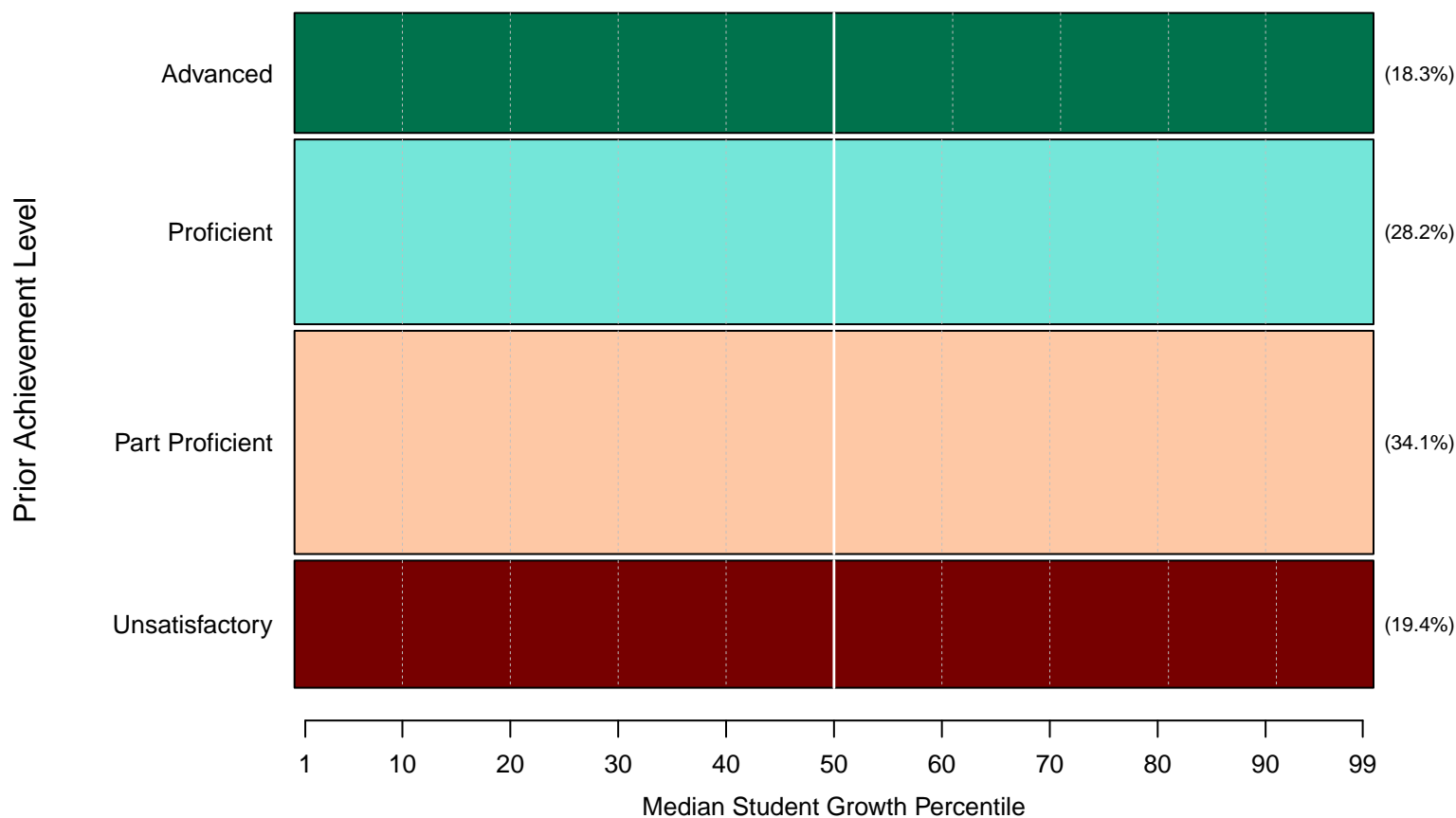
2007 Mathematics SGP, Grade 8 (N = 53,400)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (vertical axis): Advanced (18.3%), Proficient (28.2%), Part Proficient (34.1%), Unsatisfactory (19.4%)

Median Student Growth Percentile (horizontal 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/[280,450)	9.81	10.26	9.88	9.60	9.90	9.50	9.90	9.88	10.24	11.02	(9.9%)
2nd/[450,488)	9.99	9.72	9.78	9.84	9.82	10.31	10.10	9.68	9.80	10.97	(9.9%)
3rd/[488,513)	9.53	9.41	10.10	10.08	9.76	9.77	10.10	10.21	10.63	10.42	(9.9%)
4th/[513,534)	9.54	10.15	10.11	10.11	10.59	10.07	9.54	9.65	9.53	10.70	(10.2%)
5th/[534,552)	9.57	10.19	10.07	9.65	9.40	10.47	10.07	10.21	9.59	10.78	(9.7%)
6th/[552,571)	9.33	9.51	9.84	9.76	10.34	9.31	10.43	9.80	10.58	11.10	(10.4%)
7th/[571,589)	9.67	9.78	9.55	9.94	10.03	10.17	9.94	10.28	10.09	10.55	(9.7%)
8th/[589,610)	9.79	10.01	10.35	10.37	9.37	10.42	10.10	9.93	9.48	10.19	(10.3%)
9th/[610,636)	9.56	10.31	9.80	9.65	10.37	9.31	9.92	9.99	10.45	10.64	(9.9%)
10th/[636,860]	9.31	9.82	9.88	10.10	10.12	10.01	9.86	10.06	10.14	10.69	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (horizontal axis): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

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