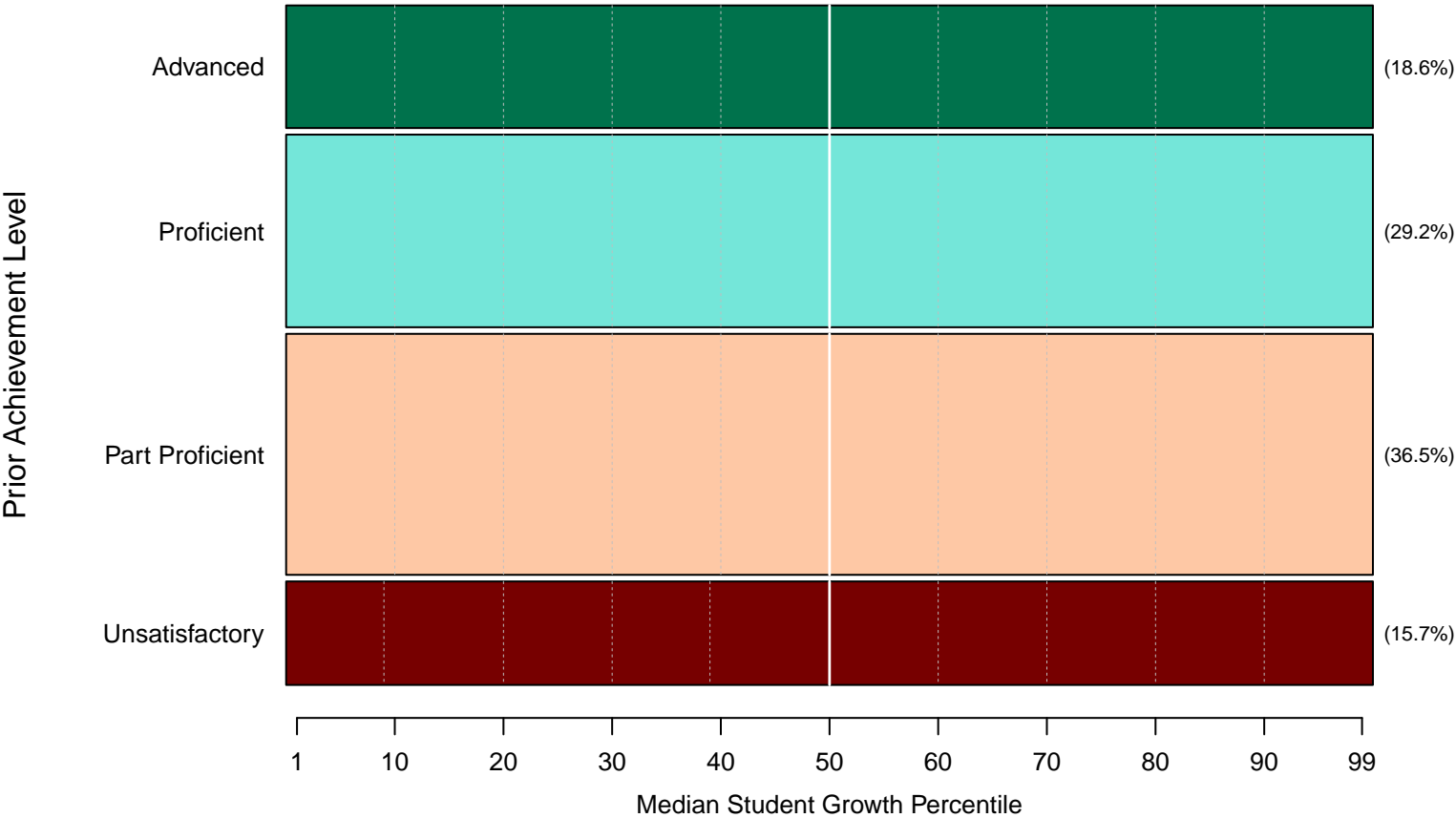# Student Growth Percentile Goodness–of–Fit Descriptives

2006 Mathematics SGP, Grade 8 (N = 53,374)

SGP Deciles by Prior Achievement Level

Prior Achievement Level	
Advanced	(18.6%)
Proficient	(29.2%)
Part Proficient	(36.5%)
Unsatisfactory	(15.7%)

Median Student Growth Percentile

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/[280,467]	10.24	9.64	9.92	10.11	9.81	9.90	9.96	9.84	9.88	10.71	(9.9%)
2nd/[467,498]	9.61	10.26	10.09	9.82	10.18	9.74	9.55	9.84	10.37	10.54	(9.8%)
3rd/[498,519]	9.36	9.66	10.34	10.07	9.68	9.61	10.26	10.28	10.28	10.47	(9.7%)
4th/[519,538]	10.17	10.43	9.86	9.77	9.79	9.62	10.01	9.82	9.38	11.15	(10.2%)
5th/[538,555]	8.86	9.19	10.12	10.16	10.49	10.29	9.74	10.36	10.20	10.60	(10.2%)
6th/[555,572]	9.74	10.23	9.65	10.40	9.93	10.20	10.14	9.50	10.33	9.88	(9.9%)
7th/[572,590]	9.38	10.28	10.02	9.11	9.90	9.90	10.24	9.83	10.26	11.07	(10%)
8th/[590,611]	9.89	9.53	10.28	10.30	9.73	10.44	9.91	10.13	9.25	10.53	(10.2%)
9th/[611,637]	9.52	10.44	9.75	10.15	10.48	9.48	10.08	9.69	9.90	10.50	(9.7%)
10th/[637,860]	9.40	9.91	10.06	9.68	9.82	10.08	9.73	10.11	10.50	10.70	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution