Student Growth Percentile Goodness–of–Fit Descriptives
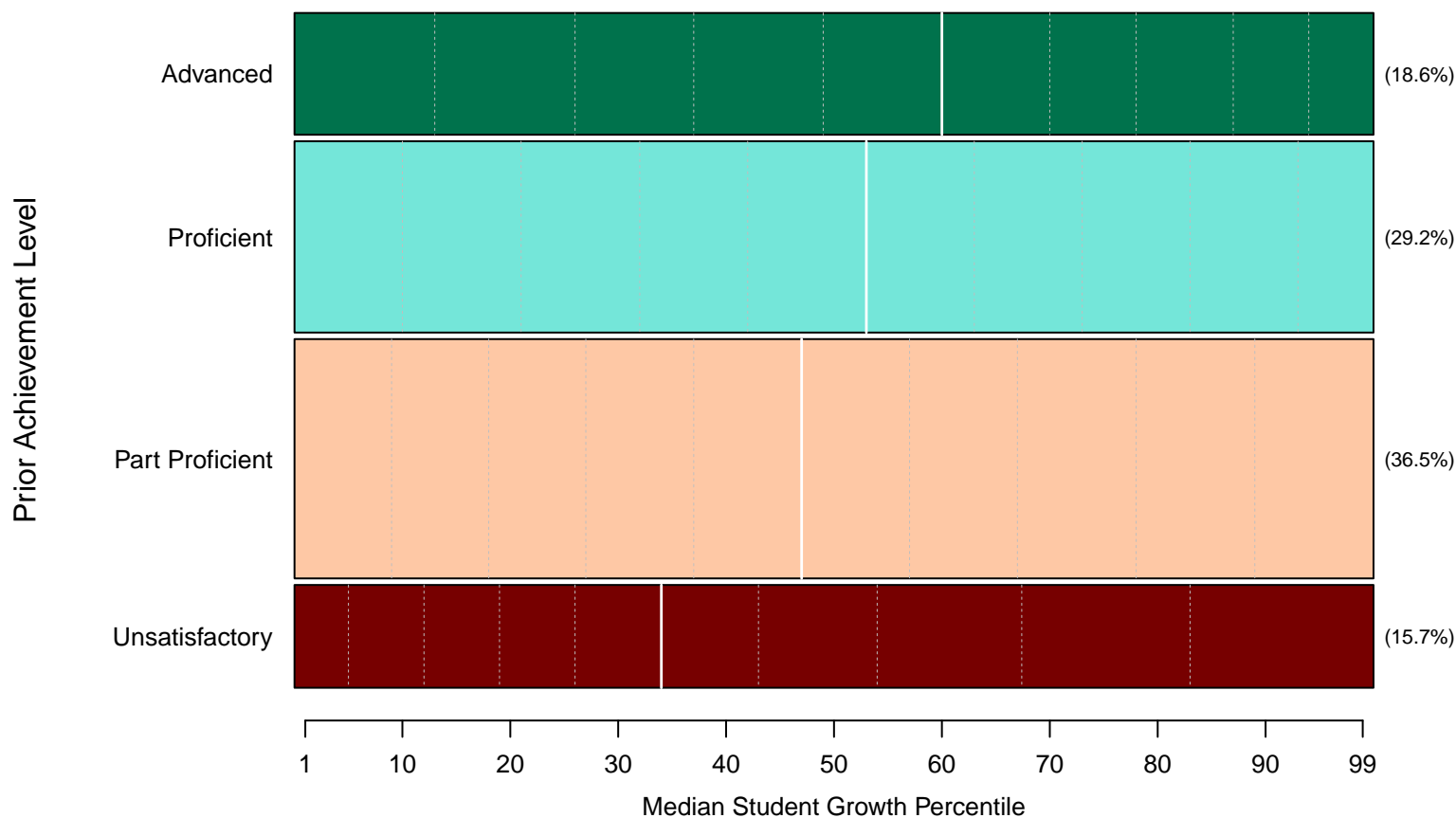## 2006 Mathematics SGP, Grade 8 (N = 53,374)

SGP Deciles by Prior Achievement Level

Prior Achievement Level:

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

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/[280,467]	16.56	15.78	13.86	12.16	10.11	7.79	7.37	5.51	4.96	5.90	(9.9%)
2nd/[467,498]	15.81	12.70	11.95	10.98	9.69	8.29	8.26	7.86	7.55	6.92	(9.8%)
3rd/[498,519]	12.01	12.51	10.39	10.53	9.89	9.37	9.86	9.26	7.89	8.28	(9.7%)
4th/[519,538]	11.04	10.93	11.04	9.79	9.44	9.93	9.99	9.25	8.64	9.95	(10.2%)
5th/[538,555]	8.93	9.17	10.05	10.01	10.51	10.14	10.23	10.09	9.88	10.99	(10.2%)
6th/[555,572]	9.74	10.14	8.93	9.67	10.14	9.57	9.67	10.10	10.21	11.82	(9.9%)
7th/[572,590]	8.83	9.77	9.60	8.51	9.75	9.32	9.77	10.00	10.30	14.13	(10%)
8th/[590,611]	8.72	8.90	9.38	9.84	9.23	9.73	10.06	10.22	10.00	13.91	(10.2%)
9th/[611,637]	8.03	8.42	9.02	9.21	9.44	9.29	9.77	10.62	11.19	15.01	(9.7%)
10th/[637,860]	6.65	6.63	8.13	8.55	8.13	8.80	10.13	11.59	13.52	17.86	(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