Student Growth Percentile Goodness–of–Fit Descriptives
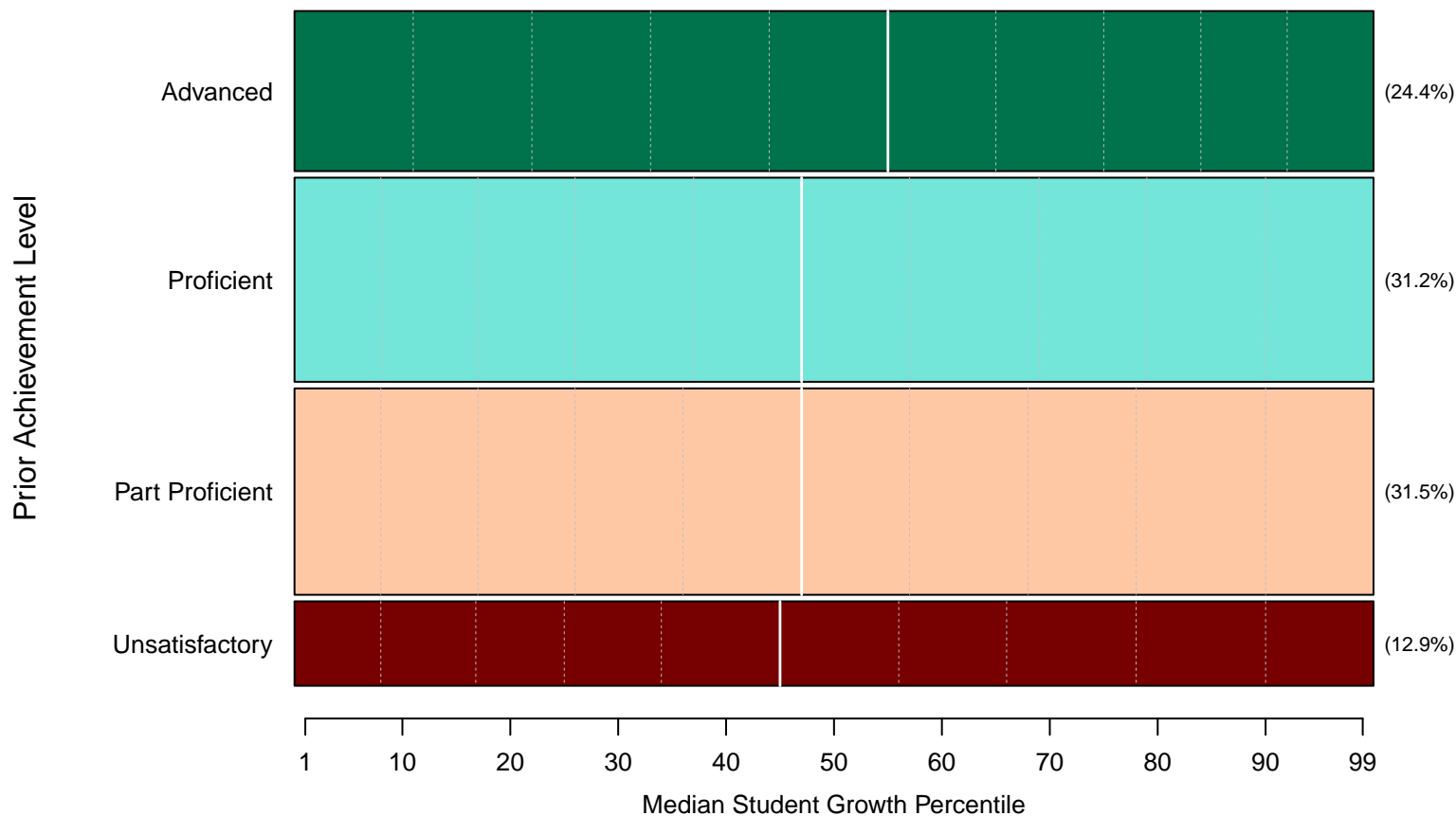## 2010 Mathematics SGP, Grade 8 (N = 53,767)

SGP Deciles by Prior Achievement Level

Prior Achievement Level:
- Advanced (24.4%)
- Proficient (31.2%)
- Part Proficient (31.5%)
- Unsatisfactory (12.9%)

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/[280,474)	12.01	11.56	11.87	9.83	10.08	8.90	9.18	8.30	8.22	10.06	(9.9%)
2nd/[474,509)	11.78	10.64	10.81	9.50	9.52	9.15	9.84	9.31	8.89	10.58	(9.8%)
3rd/[509,532)	11.81	10.92	10.88	9.59	10.18	8.70	9.48	9.22	8.96	10.25	(10.1%)
4th/[532,551)	11.87	11.48	10.46	10.40	10.12	9.06	9.27	9.12	8.54	9.69	(10%)
5th/[551,568)	11.94	11.85	10.40	9.74	9.44	8.97	9.29	8.99	8.99	10.40	(9.9%)
6th/[568,585)	11.90	10.96	9.51	10.07	10.22	9.79	9.16	9.02	9.16	10.22	(10.1%)
7th/[585,603)	11.33	11.80	9.75	9.38	9.96	8.84	8.91	9.62	9.60	10.81	(10%)
8th/[603,623)	10.69	10.64	10.20	9.28	9.01	9.23	9.69	10.43	9.89	10.95	(10.2%)
9th/[623,649)	9.33	9.59	9.72	9.01	8.78	9.53	10.00	10.04	11.49	12.51	(9.9%)
10th/[649,860]	8.00	7.73	8.47	8.31	9.00	9.23	11.63	10.33	11.85	15.45	(10.2%)

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

QQ–Plot: Student Growth Percentiles

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

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