Student Growth Percentile Goodness–of–Fit Descriptives
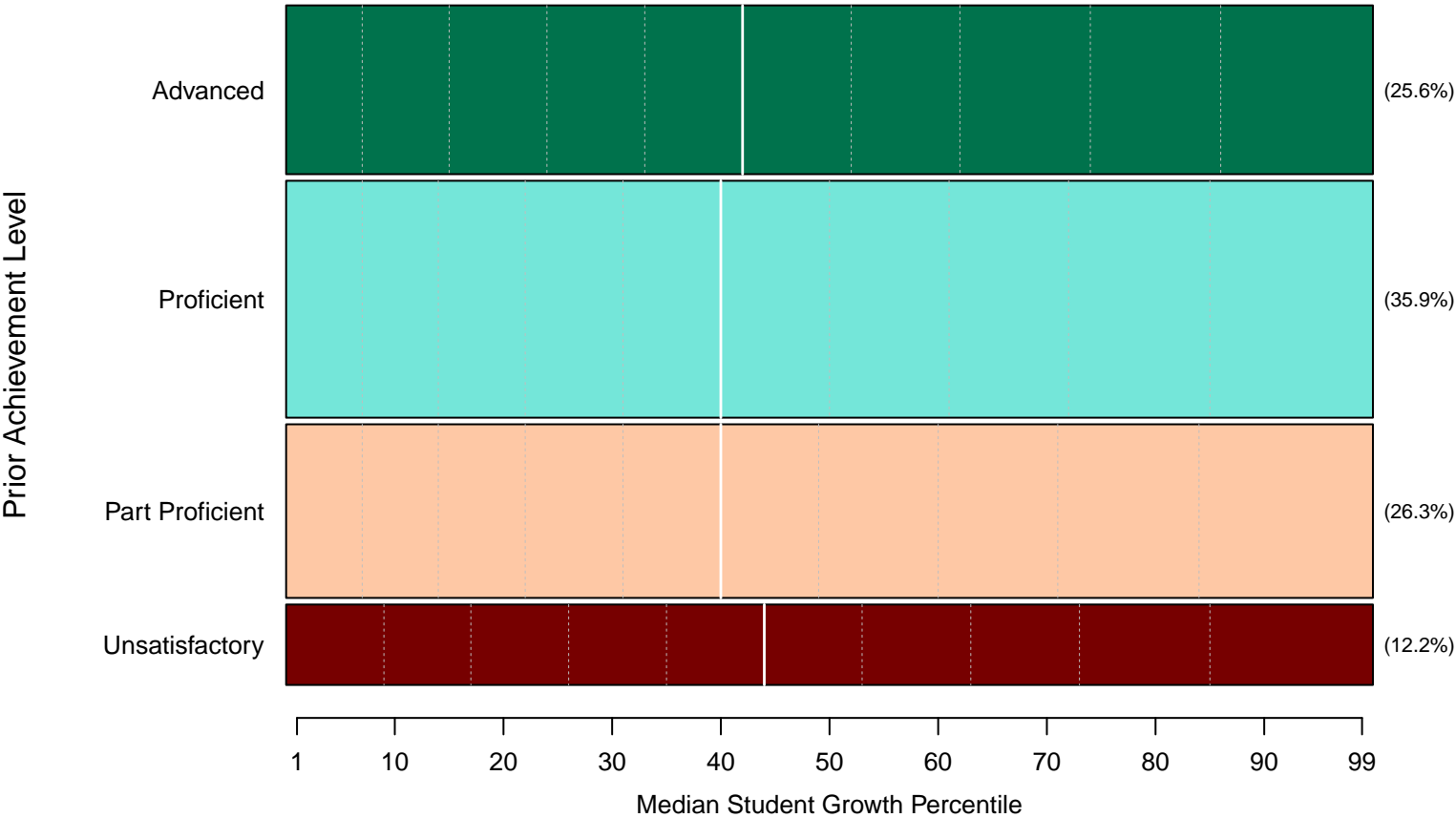## 2008 Mathematics SGP, Grade 7 (N = 52,912)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Advanced (25.6%)
- Proficient (35.9%)
- Part Proficient (26.3%)
- Unsatisfactory (12.2%)

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/[240,444)	10.72	11.31	11.54	11.47	11.12	10.19	9.96	8.97	8.13	6.60	(9.9%)
2nd/[444,479)	13.56	13.35	11.72	11.24	10.43	9.66	9.19	7.80	7.07	5.97	(9.8%)
3rd/[479,503)	13.95	12.99	12.15	11.58	10.63	9.28	8.22	7.76	7.74	5.70	(10.2%)
4th/[503,522)	13.43	11.97	11.86	10.40	11.29	9.66	9.54	8.71	6.59	6.55	(9.7%)
5th/[522,541)	13.87	13.27	11.24	10.67	9.75	10.02	8.93	7.95	7.15	7.16	(10.4%)
6th/[541,559)	14.24	11.84	11.88	10.61	10.51	9.74	8.43	8.74	7.10	6.91	(9.8%)
7th/[559,579)	13.87	13.68	12.06	10.62	9.61	8.97	8.81	8.60	7.23	6.54	(10.1%)
8th/[579,602)	14.95	13.03	11.92	10.73	9.72	9.60	8.36	7.40	7.55	6.75	(9.9%)
9th/[602,632)	13.12	11.66	11.68	11.10	10.06	9.49	8.83	8.42	8.00	7.63	(10%)
10th/[632,830]	12.59	11.32	11.35	10.65	10.34	9.58	9.13	8.85	8.37	7.82	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution