Student Growth Percentile Goodness–of–Fit Descriptives
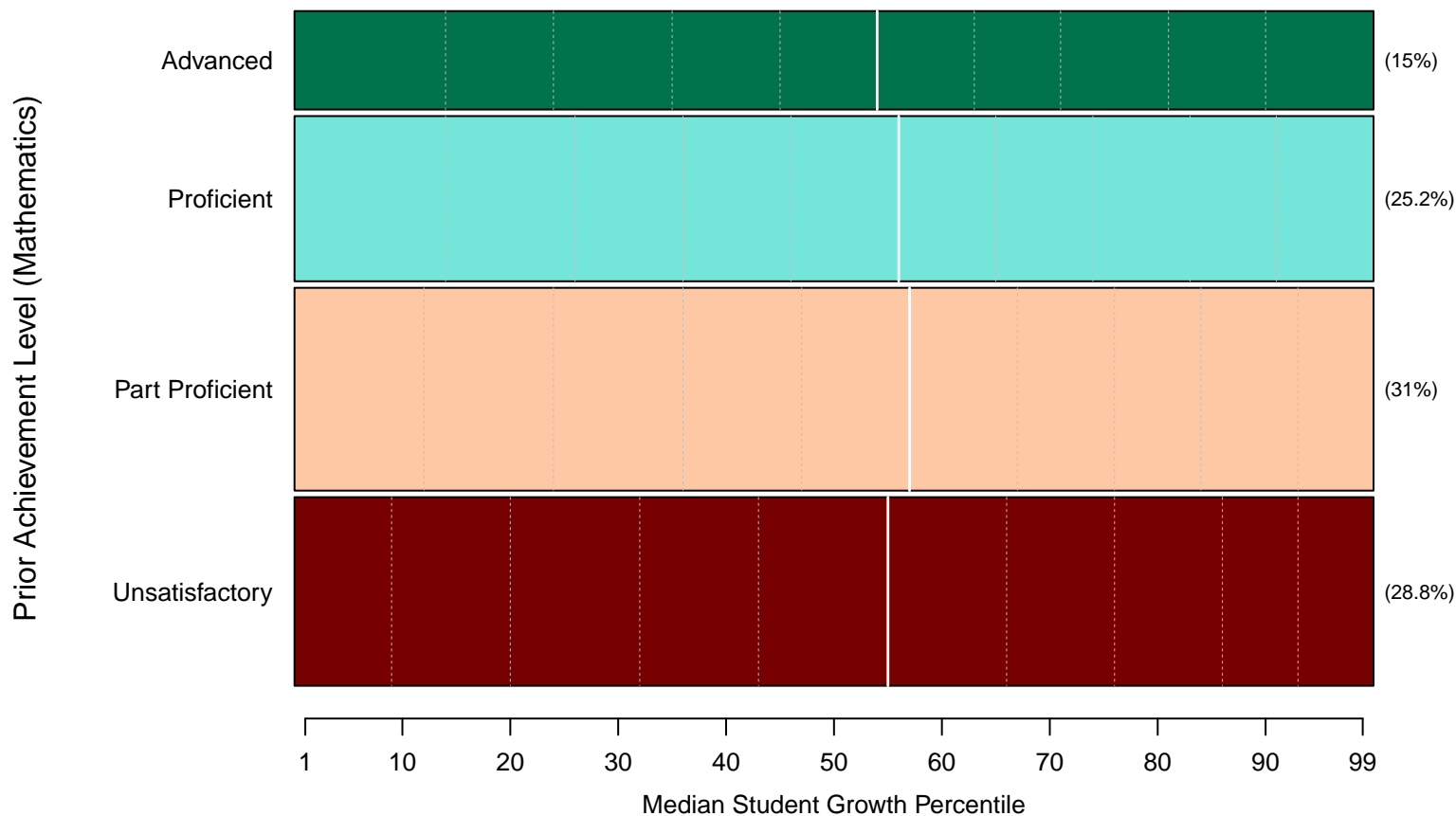## 2013 Mathematics SGP, Grade 10 (N = 53,328)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (15%)
- Proficient (25.2%)
- Part Proficient (31%)
- Unsatisfactory (28.8%)

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/[340,490)	12.49	8.08	8.59	8.35	8.74	8.61	8.82	9.89	10.96	15.47	(10%)
2nd/[490,527)	9.47	10.31	8.64	8.45	9.17	8.81	8.56	9.45	11.65	15.49	(10%)
3rd/[527,550)	9.74	8.68	7.48	8.45	9.13	8.92	10.24	11.42	10.83	15.10	(9.8%)
4th/[550,568)	8.18	8.26	7.93	8.22	10.55	9.56	9.92	10.78	12.02	14.58	(9.8%)
5th/[568,585)	8.85	8.66	8.14	8.64	9.06	9.62	10.92	11.27	10.94	13.90	(10%)
6th/[585,602)	7.24	7.99	7.81	8.85	9.29	10.75	10.97	12.12	12.01	12.97	(10.2%)
7th/[602,620)	6.82	8.46	8.42	9.82	9.27	11.24	10.02	11.88	11.90	12.17	(10.2%)
8th/[620,640)	6.82	7.55	8.43	10.56	10.17	10.06	10.94	11.20	11.67	12.58	(10%)
9th/[640,666)	6.68	8.08	8.94	9.32	10.44	10.46	11.83	11.40	10.85	11.99	(10%)
10th/[666,866]	6.47	9.00	9.86	9.82	11.15	10.59	12.28	10.63	10.91	9.30	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution