Student Growth Percentile Goodness–of–Fit Descriptives
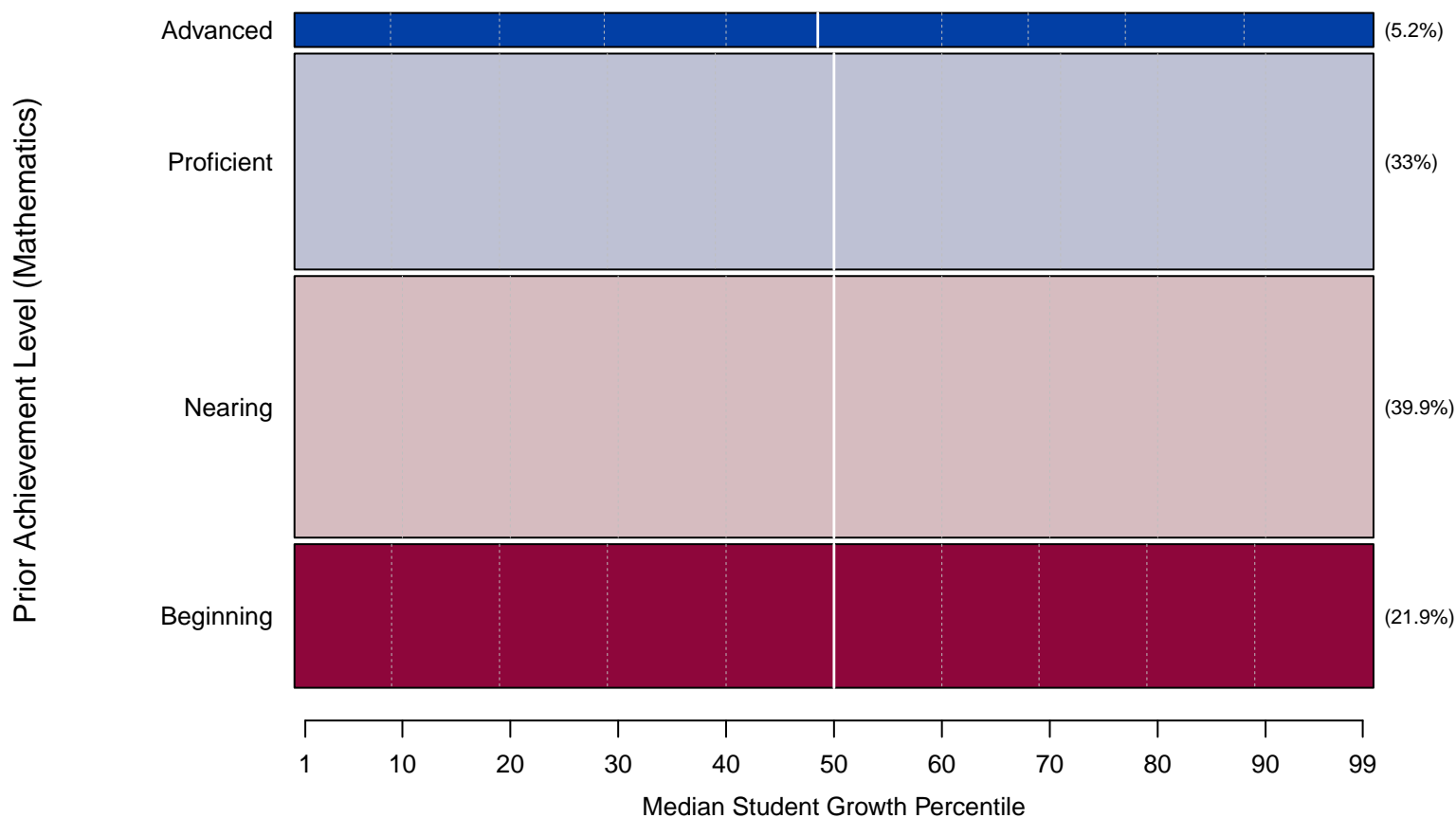## 2013 Mathematics SGP, Grade 7 (N = 4,426)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (5.2%)
- Proficient (33%)
- Nearing (39.9%)
- Beginning (21.9%)

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/[600,624)	9.40	9.64	9.88	9.16	9.64	10.84	8.92	10.60	10.60	11.33	(9.4%)
2nd/[624,629)	10.47	11.58	9.35	9.35	10.69	9.13	10.91	10.47	9.58	8.46	(10.1%)
3rd/[629,632)	10.82	7.76	9.65	11.06	8.47	10.12	12.00	9.41	10.82	9.88	(9.6%)
4th/[632,635)	9.16	10.12	10.12	11.57	10.12	9.88	10.12	9.88	9.88	9.16	(9.4%)
5th/[635,637)	9.20	12.58	9.51	9.51	10.12	8.90	8.59	9.20	9.51	12.88	(7.4%)
6th/[637,639)	9.76	10.00	10.00	10.00	11.43	11.19	8.57	11.19	9.52	8.33	(9.5%)
7th/[639,642)	8.93	10.29	10.29	9.51	9.13	9.51	12.43	9.51	9.51	10.87	(11.6%)
8th/[642,645)	9.96	8.01	10.17	10.61	7.36	9.74	11.26	11.26	10.82	10.82	(10.4%)
9th/[645,650)	9.46	10.76	9.83	9.83	12.43	8.91	7.24	10.02	10.20	11.32	(12.2%)
10th/[650,675]	10.87	10.00	9.57	9.57	9.57	11.09	11.74	9.78	8.26	9.57	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution