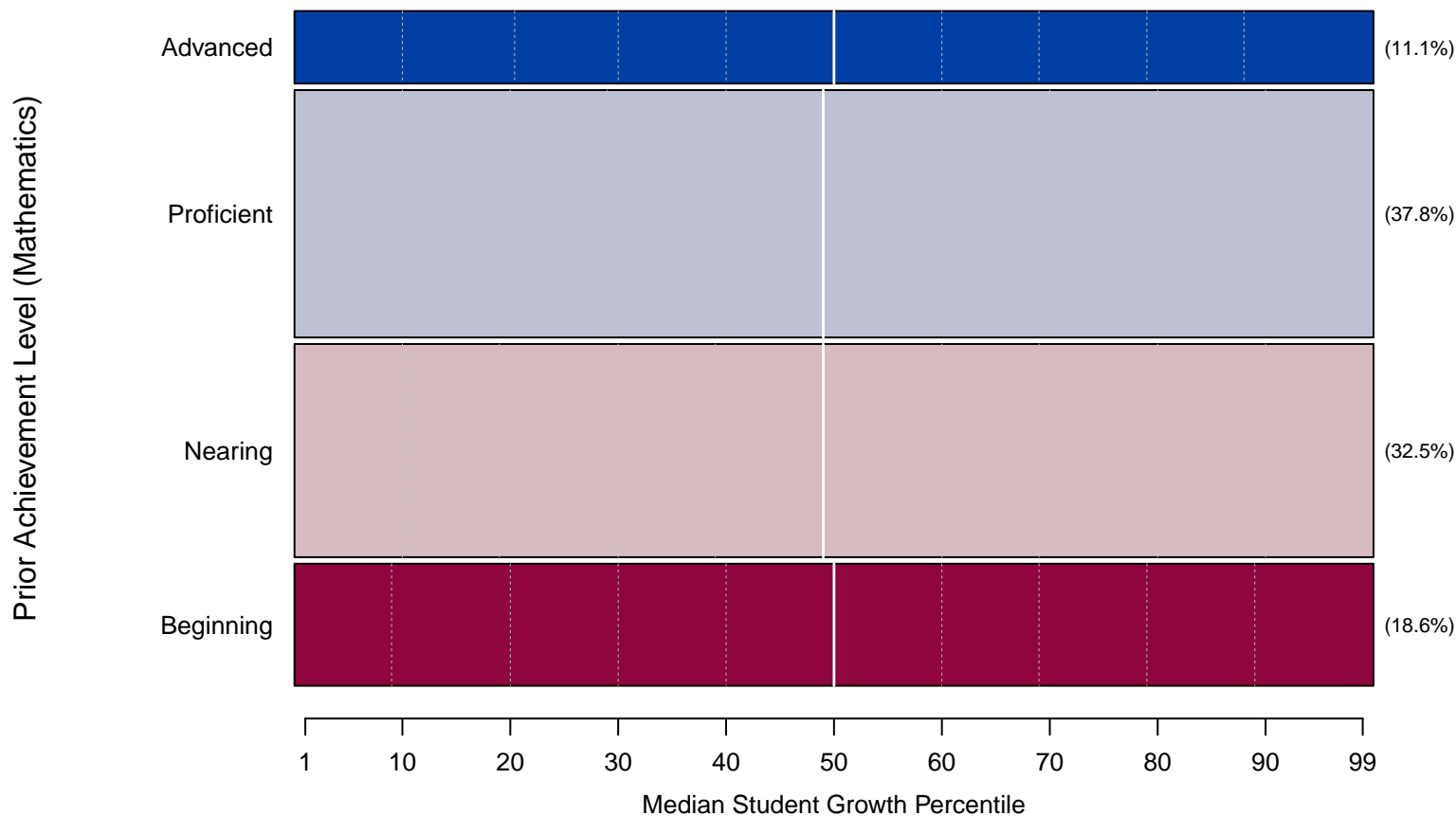# Student Growth Percentile Goodness–of–Fit Descriptives
2012 Mathematics SGP, Grade 5 (N = 6,806)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics):
- Advanced (11.1%)
- Proficient (37.8%)
- Nearing (32.5%)
- Beginning (18.6%)

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/[400,424)	11.33	9.80	11.79	8.12	11.03	7.96	10.26	9.34	9.95	10.41	(9.6%)
2nd/[424,429)	8.78	9.59	7.15	11.87	9.11	13.17	10.24	10.57	10.24	9.27	(9%)
3rd/[429,433)	9.02	10.38	12.18	8.72	11.73	5.41	13.53	8.42	9.77	10.83	(9.8%)
4th/[433,436)	10.47	10.64	11.32	7.09	12.84	12.33	5.41	10.98	8.78	10.14	(8.7%)
5th/[436,439)	10.27	12.12	6.23	12.96	7.91	6.90	13.64	9.76	12.46	7.74	(8.7%)
6th/[439,442)	7.78	10.91	7.23	13.23	7.50	11.19	12.96	7.78	8.87	12.55	(10.8%)
7th/[442,446)	9.63	10.21	12.84	7.57	11.35	10.44	7.00	12.27	9.17	9.52	(12.8%)
8th/[446,449)	11.55	10.13	7.13	12.98	10.13	8.70	12.55	6.42	11.55	8.84	(10.3%)
9th/[449,453)	9.87	9.24	11.78	7.01	9.87	10.19	8.60	11.46	7.80	14.17	(9.2%)
10th/[453,480]	9.56	9.56	9.56	11.16	9.69	10.23	10.89	10.09	10.62	8.63	(11.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution