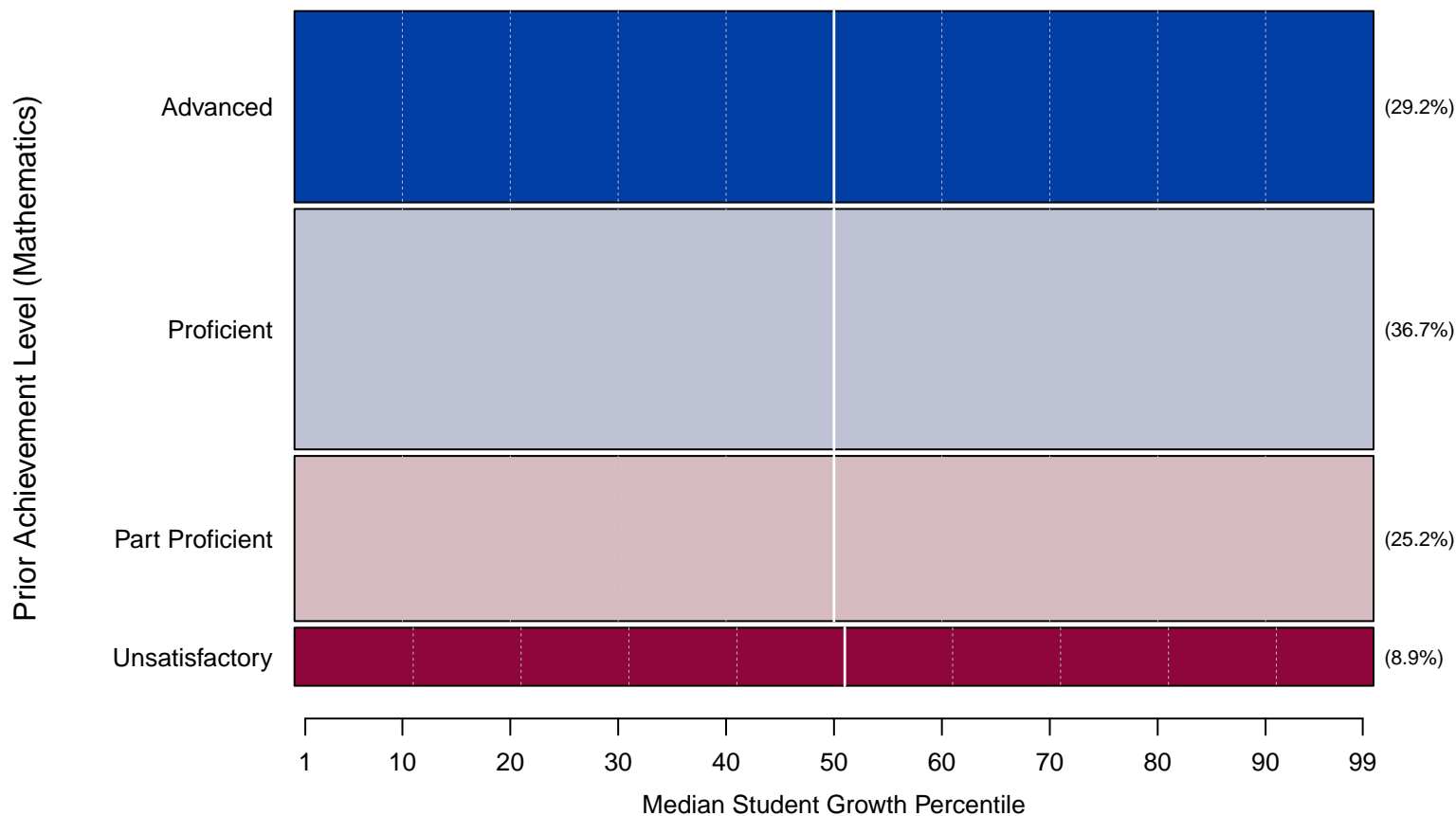# Student Growth Percentile Goodness–of–Fit Descriptives
2014 Mathematics SGP, Grade 6 (N = 59,642)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (29.2%)
- Proficient (36.7%)
- Part Proficient (25.2%)
- Unsatisfactory (8.9%)

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/[220,427)	9.05	10.07	9.88	9.88	9.68	9.66	10.26	10.27	10.07	11.16	(9.9%)
2nd/[427,461)	10.23	9.90	9.99	9.87	10.16	9.68	9.99	9.83	9.97	10.37	(9.8%)
3rd/[461,485)	9.38	9.76	10.62	9.51	9.88	10.26	9.51	10.42	9.81	10.86	(10.1%)
4th/[485,505)	9.45	9.96	9.52	10.62	10.50	9.84	10.19	9.48	10.04	10.41	(9.9%)
5th/[505,523)	9.32	10.39	10.06	9.81	9.14	10.16	10.22	10.12	10.12	10.66	(10%)
6th/[523,541)	9.20	9.58	10.16	10.06	10.18	10.58	10.16	9.93	9.63	10.53	(10.1%)
7th/[541,560)	10.12	9.97	10.17	10.07	10.07	9.50	9.45	10.27	9.87	10.50	(10.1%)
8th/[560,582)	9.64	10.55	9.49	9.61	10.42	9.26	10.25	9.79	9.92	11.08	(10.1%)
9th/[582,612)	9.31	10.23	10.15	10.10	9.60	10.54	10.18	10.25	9.85	9.78	(10%)
10th/[612,800]	9.41	9.73	9.83	10.20	9.98	10.05	9.91	9.95	10.25	10.70	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution