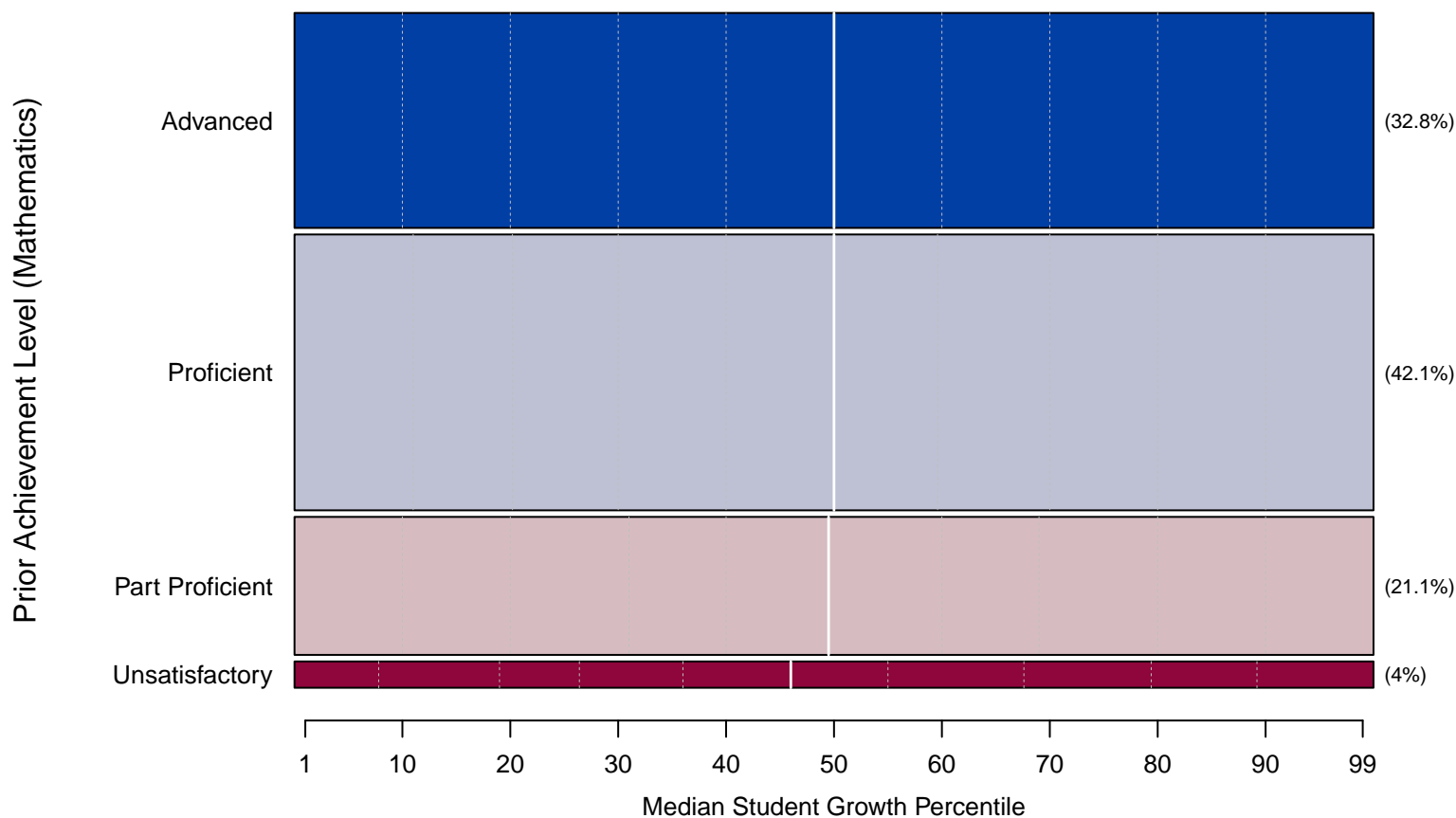# Student Growth Percentile Goodness–of–Fit Descriptives
2010–2011 Mathematics SGP, Grade 6 (N = 3,959)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (32.8%)
- Proficient (42.1%)
- Part Proficient (21.1%)
- Unsatisfactory (4%)

Median Student Growth Percentile (axis: 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/[220,454)	9.67	10.43	10.18	10.94	10.18	9.16	9.67	9.41	10.18	10.18	(9.9%)
2nd/[454,483)	10.65	8.31	9.87	12.47	9.61	9.35	9.87	9.61	9.61	10.65	(9.7%)
3rd/[483,502)	6.98	10.85	11.37	9.82	10.59	10.34	11.37	9.30	10.85	8.53	(9.8%)
4th/[502,519)	9.63	9.63	10.62	8.64	10.62	10.37	8.64	10.62	9.38	11.85	(10.2%)
5th/[519,535)	9.57	9.07	8.82	10.33	8.31	9.07	10.08	13.10	10.08	11.59	(10%)
6th/[535,550)	8.07	11.20	11.20	10.16	10.16	9.90	10.94	8.33	10.68	9.38	(9.7%)
7th/[550,567)	10.87	10.39	10.14	7.97	11.59	11.84	9.18	7.73	10.87	9.42	(10.5%)
8th/[567,589)	10.00	8.00	9.75	12.25	10.00	8.00	10.50	11.50	9.25	10.75	(10.1%)
9th/[589,617)	7.89	10.94	10.43	10.69	9.92	10.69	10.18	8.40	11.20	9.67	(9.9%)
10th/[617,800]	10.72	10.47	9.48	8.73	10.72	9.98	10.22	9.48	9.48	10.72	(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