Student Growth Percentile Goodness–of–Fit Descriptives
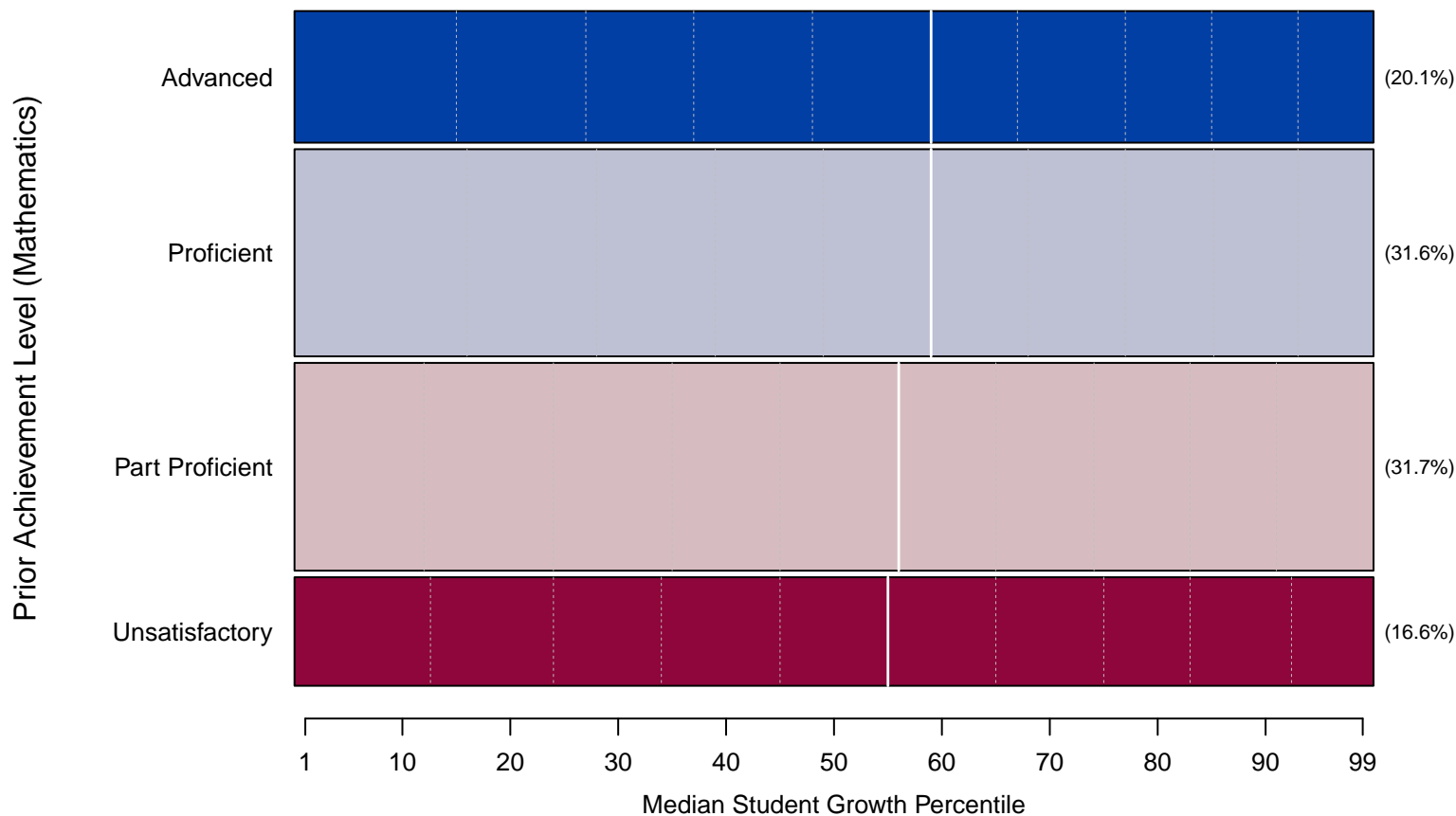## 2011–2012 Mathematics SGP, Grade 9 (N = 4,206)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Advanced	(20.1%)
Proficient	(31.6%)
Part Proficient	(31.7%)
Unsatisfactory	(16.6%)

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/[310,500)	8.89	7.69	11.78	9.62	9.38	8.17	9.62	13.46	10.82	10.58	(9.9%)
2nd/[500,529)	8.33	9.56	5.88	11.27	9.31	11.03	10.54	7.84	11.27	14.95	(9.7%)
3rd/[529,548)	5.71	8.90	10.27	8.68	10.05	10.05	11.87	9.82	11.87	12.79	(10.4%)
4th/[548,564)	8.35	7.13	8.35	8.85	9.34	11.06	9.58	13.02	10.32	14.00	(9.7%)
5th/[564,579)	7.37	10.07	6.39	9.58	10.57	8.35	12.04	13.76	12.04	9.83	(9.7%)
6th/[579,594)	3.81	5.00	9.29	7.38	10.71	10.71	11.19	11.90	10.95	19.05	(10%)
7th/[594,610)	5.66	7.92	8.82	11.31	8.37	8.37	9.95	11.76	15.84	11.99	(10.5%)
8th/[610,628)	5.91	8.04	8.75	8.98	9.69	12.06	10.64	12.53	11.11	12.29	(10.1%)
9th/[628,650)	4.89	10.76	8.56	9.05	8.31	9.78	11.25	11.00	12.71	13.69	(9.7%)
10th/[650,791]	4.82	8.03	9.86	8.03	10.09	9.40	11.01	11.24	12.84	14.68	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution