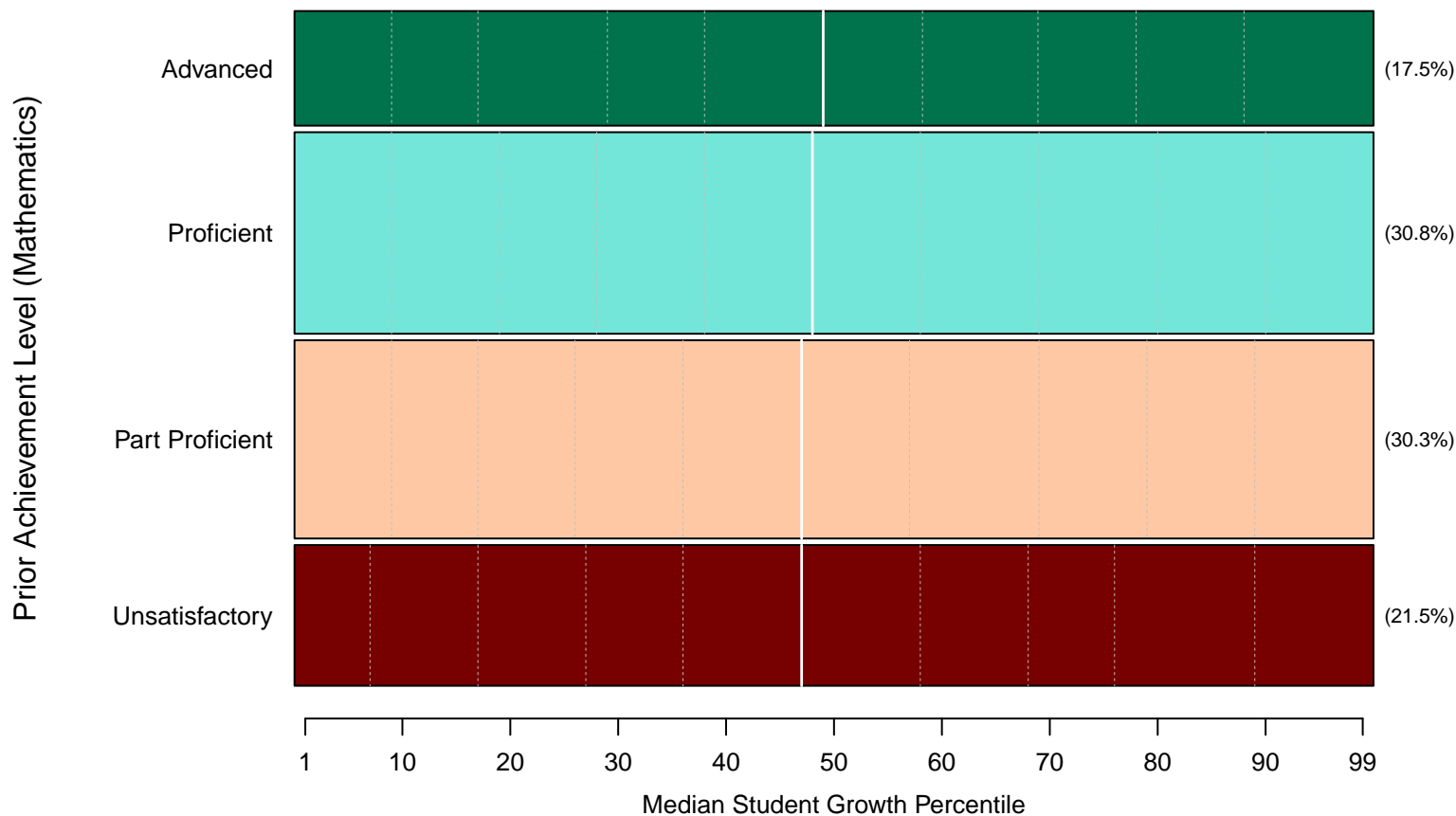# Student Growth Percentile Goodness–of–Fit Descriptives
2010–2011 Mathematics SGP, Grade 10 (N = 3,989)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Advanced	(17.5%)
Proficient	(30.8%)
Part Proficient	(30.3%)
Unsatisfactory	(21.5%)

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/[340,512)	11.96	9.67	9.92	12.21	9.92	10.43	8.14	10.69	7.12	9.92	(9.9%)
2nd/[512,545)	14.25	10.50	9.00	9.50	7.75	9.00	12.50	9.50	8.75	9.25	(10%)
3rd/[545,565)	10.31	10.31	11.34	7.73	9.54	11.60	10.82	9.02	7.73	11.60	(9.7%)
4th/[565,584)	9.88	14.81	8.64	10.37	11.11	8.40	7.16	10.62	9.88	9.14	(10.2%)
5th/[584,599)	10.89	12.91	9.87	10.63	8.35	8.35	9.37	11.39	9.62	8.61	(9.9%)
6th/[599,613)	11.33	8.37	11.33	10.10	9.11	10.34	9.61	10.34	9.36	10.10	(10.2%)
7th/[613,628)	8.95	10.53	10.53	11.84	8.42	10.53	9.47	7.37	10.00	12.37	(9.5%)
8th/[628,646)	10.73	9.27	10.00	10.98	10.73	10.73	9.02	11.22	7.56	9.76	(10.3%)
9th/[646,669)	10.29	15.93	7.84	10.05	9.80	10.05	8.82	8.09	9.56	9.56	(10.2%)
10th/[669,801]	10.89	8.17	9.41	9.90	10.15	9.90	10.64	11.39	9.90	9.65	(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