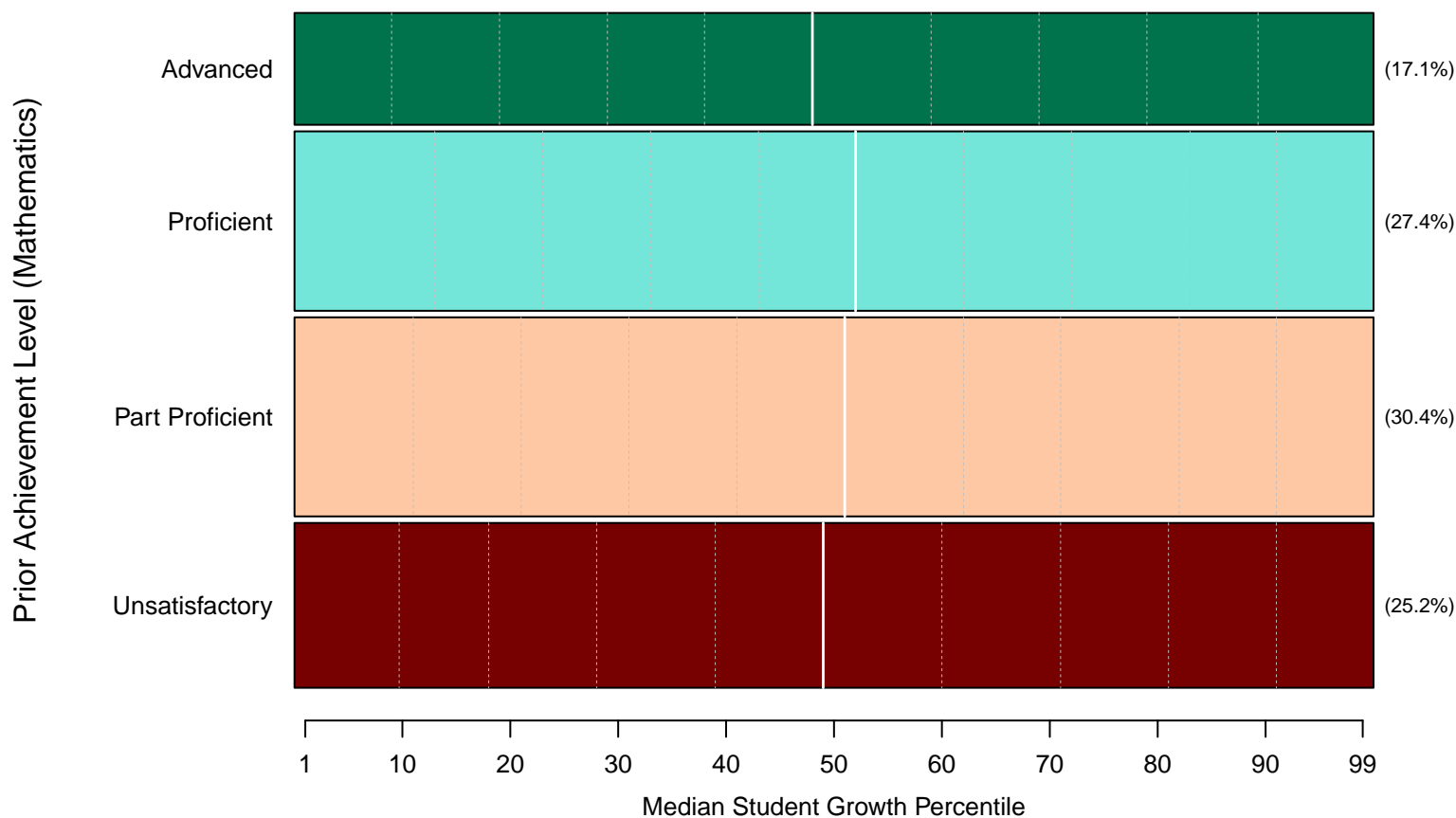# Student Growth Percentile Goodness–of–Fit Descriptives

2011–2012 Mathematics SGP, Grade 10 (N = 4,206)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Advanced	(17.1%)
Proficient	(27.4%)
Part Proficient	(30.4%)
Unsatisfactory	(25.2%)

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/[340,503)	9.59	10.79	10.07	9.11	10.31	8.15	7.91	11.03	12.47	10.55	(9.9%)
2nd/[503,536)	10.39	11.59	8.94	10.14	9.66	9.90	10.14	8.70	9.18	11.35	(9.8%)
3rd/[536,557)	8.71	13.18	9.95	10.20	9.70	9.95	8.46	9.45	8.96	11.44	(9.6%)
4th/[557,575)	9.98	9.50	9.50	9.50	10.93	8.08	11.40	9.98	10.45	10.69	(10%)
5th/[575,593)	7.38	8.95	10.07	9.40	10.74	9.40	10.74	8.95	11.86	12.53	(10.6%)
6th/[593,610)	8.35	8.83	11.22	10.50	9.31	9.55	10.26	7.88	12.41	11.69	(10%)
7th/[610,626)	7.62	6.88	8.11	10.32	11.79	10.07	10.57	11.55	11.06	12.04	(9.7%)
8th/[626,645)	7.96	10.30	11.01	9.37	7.96	10.54	8.90	8.43	11.94	13.58	(10.2%)
9th/[645,670)	10.07	10.07	9.60	11.24	11.24	9.13	8.90	11.71	9.37	8.67	(10.2%)
10th/[670,819)	11.06	9.65	10.12	9.88	9.65	10.59	9.65	9.18	8.94	11.29	(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