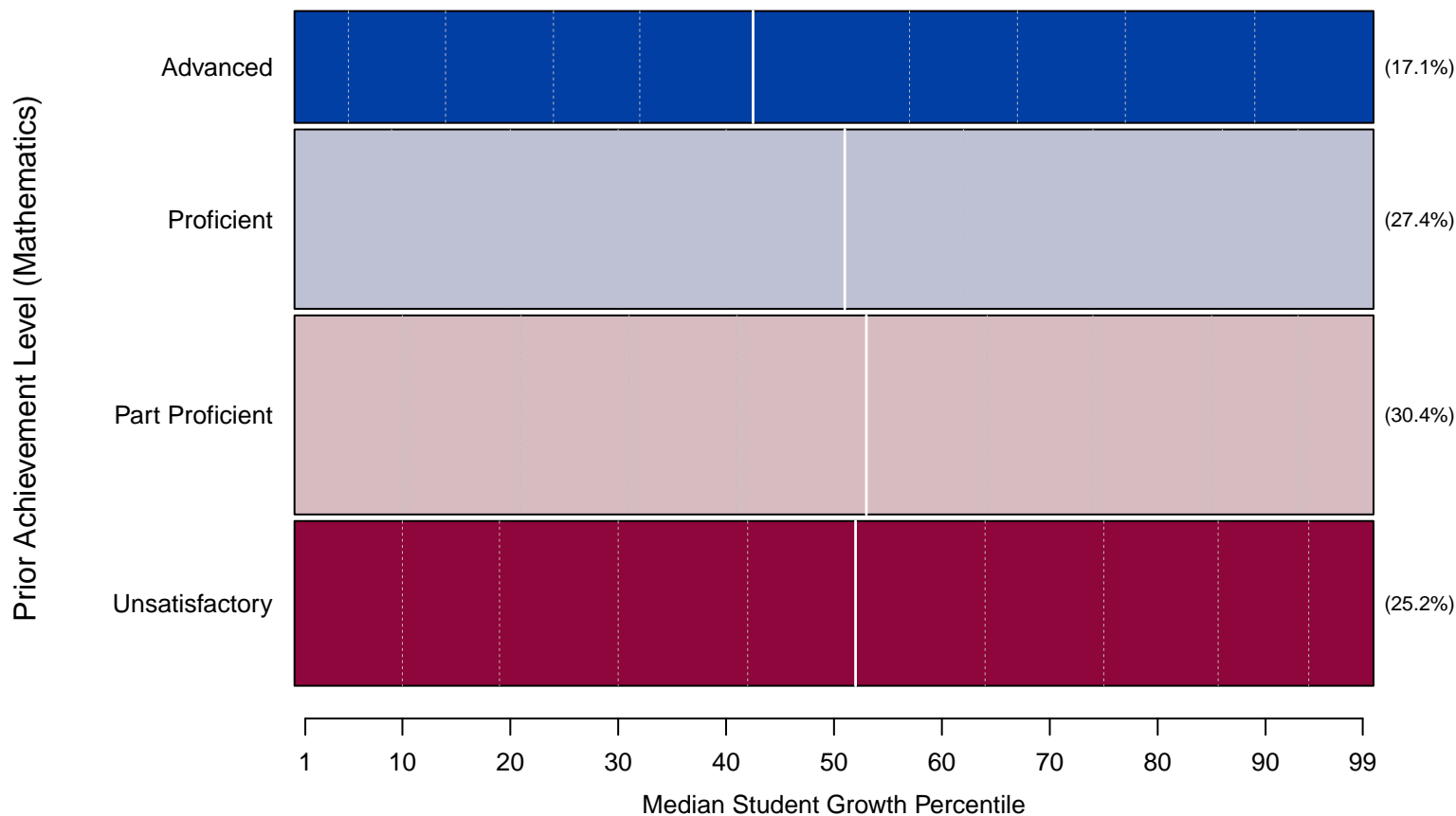# Student Growth Percentile Goodness–of–Fit Descriptives
2011–2012 Mathematics SGP SIMEX, Grade 10 (N = 4,206)

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

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)	7.91	9.83	9.59	8.87	11.27	7.91	6.95	9.83	12.95	14.87	(9.9%)
2nd/[503,536)	9.90	11.35	8.94	7.49	11.84	7.73	9.90	9.18	8.21	15.46	(9.8%)
3rd/[536,557)	8.71	11.94	9.95	9.70	8.46	9.20	7.71	9.70	9.45	15.17	(9.6%)
4th/[557,575)	10.93	9.26	8.79	9.26	9.03	8.08	9.74	9.98	10.21	14.73	(10%)
5th/[575,593)	8.28	7.83	10.96	10.07	7.61	8.50	11.41	9.40	11.63	14.32	(10.6%)
6th/[593,610)	9.79	9.07	11.69	10.26	7.40	7.16	10.50	7.40	12.17	14.56	(10%)
7th/[610,626)	10.07	6.88	8.11	10.81	10.81	8.60	10.07	9.58	11.55	13.51	(9.7%)
8th/[626,645)	12.88	9.13	9.37	10.07	6.56	9.13	8.67	7.03	10.30	16.86	(10.2%)
9th/[645,670)	15.69	10.07	9.37	10.07	9.84	6.79	10.30	8.90	10.30	8.67	(10.2%)
10th/[670,819)	16.47	9.65	12.47	7.76	8.71	9.41	7.76	9.88	6.82	11.06	(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