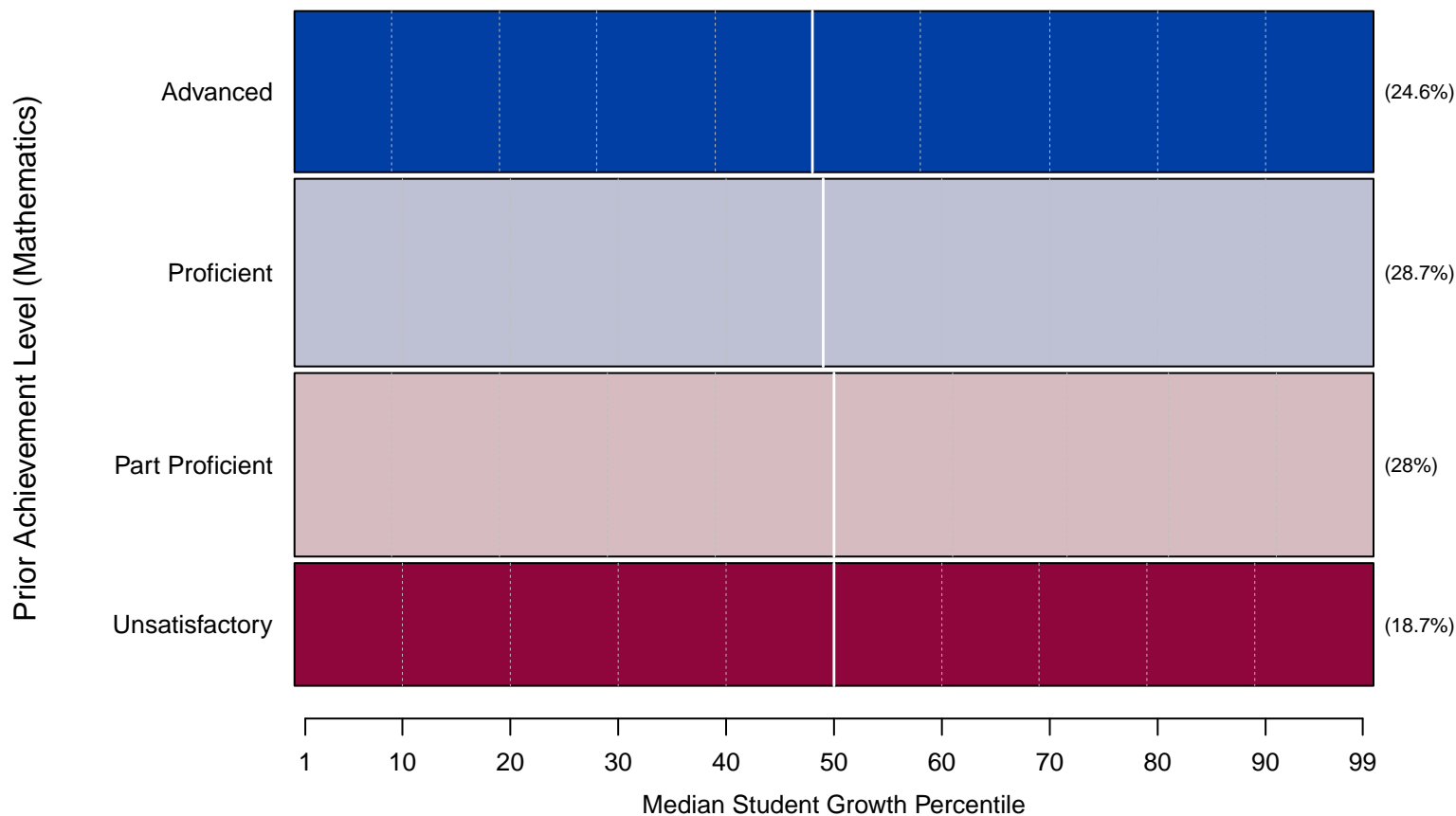# Student Growth Percentile Goodness–of–Fit Descriptives
2012–2013 Mathematics SGP, Grade 9 (N = 4,101)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (24.6%)
- Proficient (28.7%)
- Part Proficient (28%)
- Unsatisfactory (18.7%)

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/[310,493)	11.60	10.12	9.63	8.64	7.16	10.62	10.12	10.62	10.86	10.62	(9.9%)
2nd/[493,524)	7.88	11.58	9.36	10.10	13.55	9.11	11.82	9.61	9.11	7.88	(9.9%)
3rd/[524,546)	9.54	11.00	11.74	11.74	6.60	9.54	9.78	8.31	9.29	12.47	(10%)
4th/[546,565)	11.43	9.05	8.81	8.33	10.24	10.95	6.90	11.19	11.43	11.67	(10.2%)
5th/[565,581)	11.81	10.24	8.66	8.92	9.71	9.71	10.76	11.29	9.97	8.92	(9.3%)
6th/[581,599)	7.59	8.97	11.03	9.43	11.03	10.34	9.43	9.66	9.66	12.87	(10.6%)
7th/[599,617)	8.82	12.25	10.05	9.56	9.56	7.84	8.82	11.03	12.99	9.07	(9.9%)
8th/[617,639)	11.46	8.05	9.02	13.17	10.24	9.76	12.44	9.02	7.32	9.51	(10%)
9th/[639,667)	10.41	10.41	11.38	7.51	10.17	10.41	7.26	10.90	11.86	9.69	(10.1%)
10th/[667,871]	10.14	10.87	9.90	10.14	9.90	9.18	9.42	9.18	9.66	11.59	(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