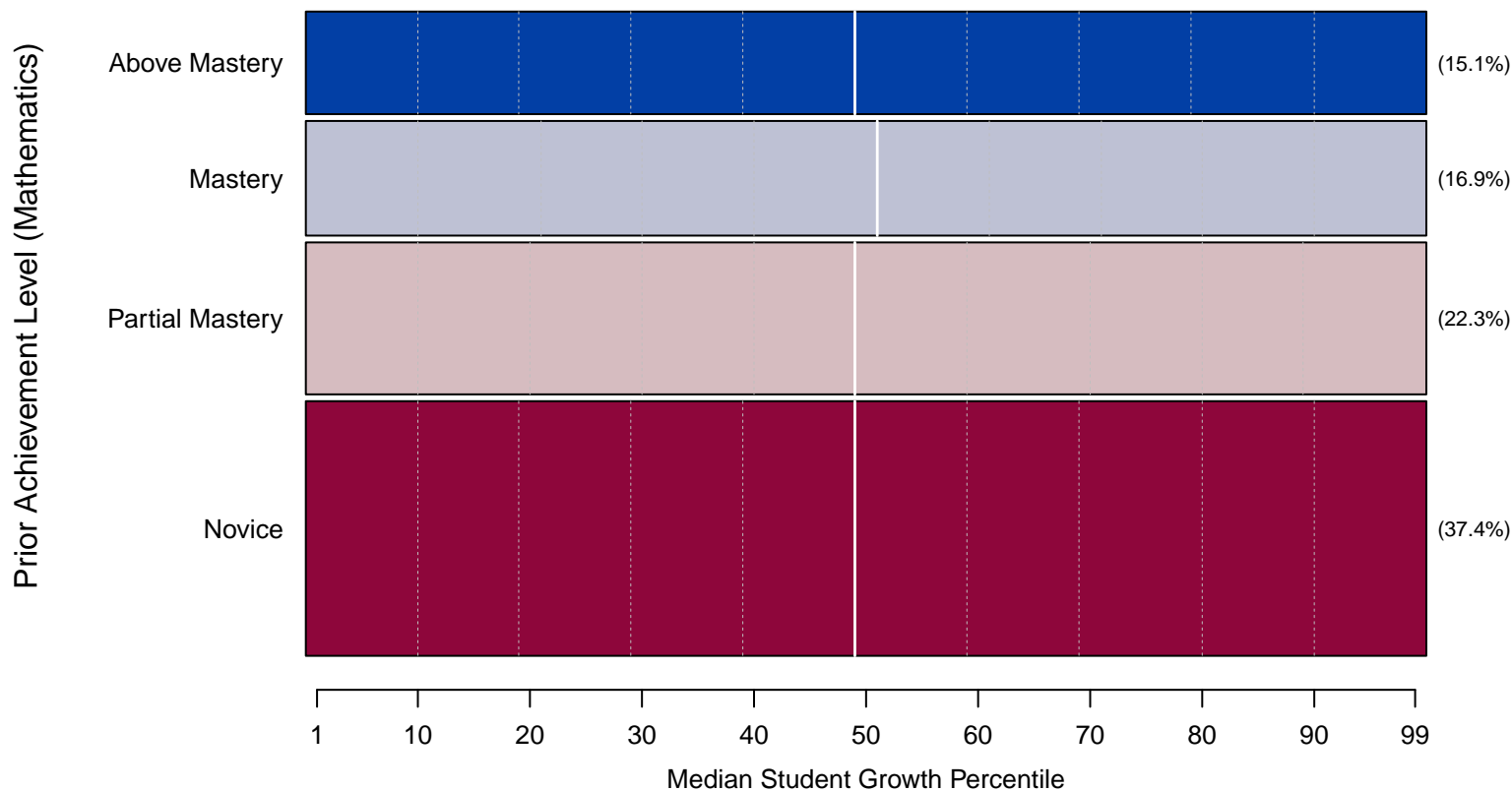# Student Growth Percentile Goodness–of–Fit Descriptives

2014–2015 Mathematics SGP, Grade 9 (N = 18,600)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Above Mastery	(15.1%)
Mastery	(16.9%)
Partial Mastery	(22.3%)
Novice	(37.4%)

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/[385,552)	10.50	9.25	10.17	10.01	9.96	9.58	10.44	10.06	9.85	10.17	(9.9%)
2nd/[552,590)	9.12	10.41	9.77	10.23	10.58	9.82	9.42	10.12	10.00	10.53	(9.2%)
3rd/[590,611)	10.05	11.12	9.48	9.84	9.89	9.69	10.40	9.53	9.38	10.61	(10.5%)
4th/[611,622)	9.55	10.10	11.74	10.10	9.07	10.44	9.75	9.41	9.27	10.58	(7.8%)
5th/[622,638)	9.73	9.68	9.77	10.22	10.49	9.24	9.55	10.80	10.66	9.86	(12%)
6th/[638,651)	9.45	10.54	10.23	9.97	10.18	11.22	9.34	9.60	9.55	9.92	(10.3%)
7th/[651,662)	8.91	8.85	10.58	10.16	9.51	9.45	10.40	10.93	9.63	11.59	(9%)
8th/[662,677)	10.27	10.32	9.28	9.80	10.22	10.17	9.91	9.85	10.48	9.70	(10.3%)
9th/[677,695)	9.42	10.85	10.80	9.85	10.38	9.74	9.79	9.79	9.00	10.38	(10.2%)
10th/[695,880]	9.36	9.10	9.51	9.91	9.91	10.21	10.26	10.41	10.66	10.66	(10.7%)

*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: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100