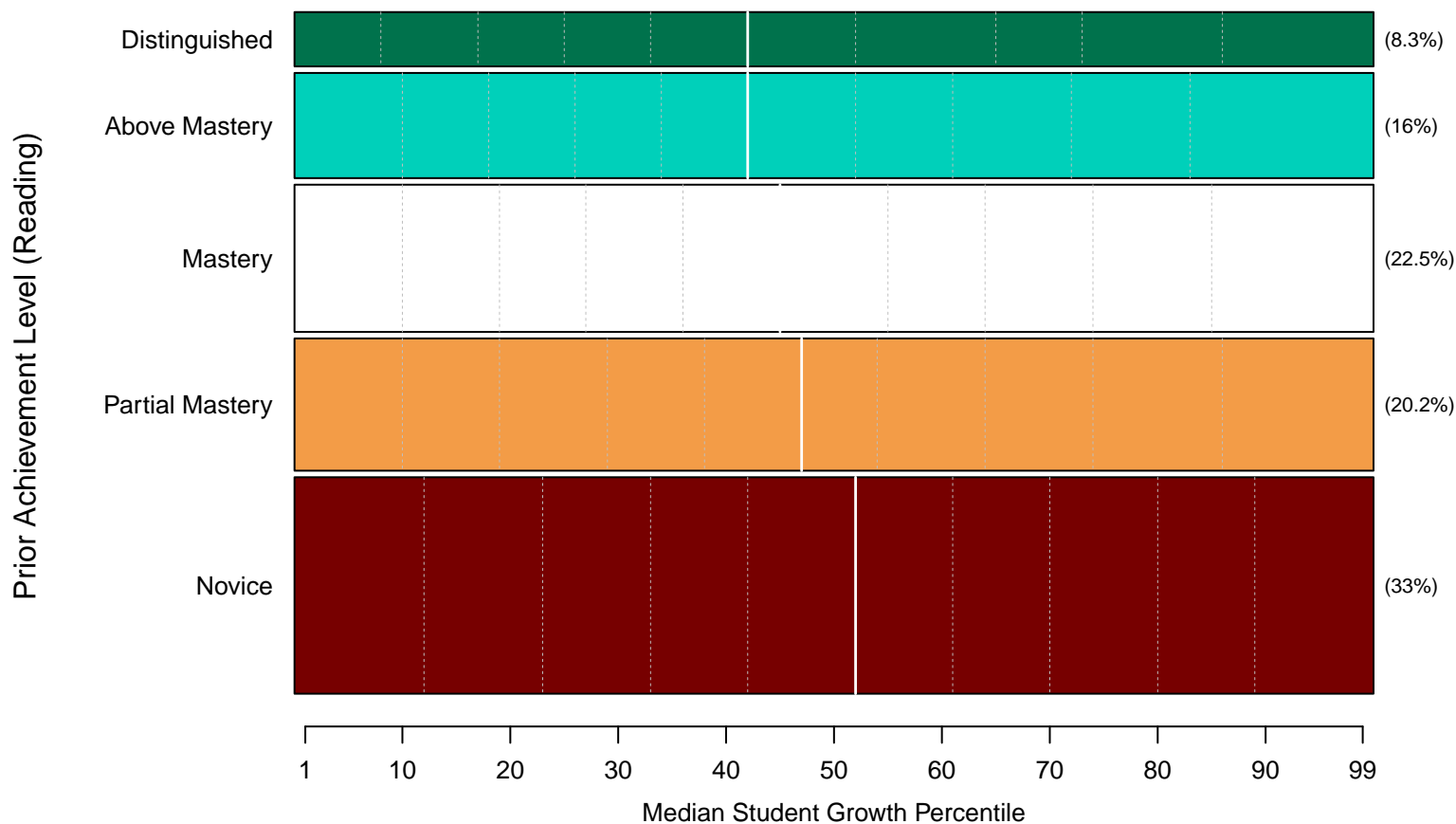# Student Growth Percentile Goodness–of–Fit Descriptives
2011–2012 Reading SGP, Grade 4 (N = 19,154)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

Level	Percent
Distinguished	(8.3%)
Above Mastery	(16%)
Mastery	(22.5%)
Partial Mastery	(20.2%)
Novice	(33%)

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/[130,379)	7.04	7.26	10.37	10.21	11.08	10.21	12.06	11.35	10.32	10.10	(9.6%)
2nd/[379,400)	6.43	8.65	10.44	10.13	10.13	11.29	10.81	10.60	11.60	9.92	(9.9%)
3rd/[400,412)	8.41	9.73	10.94	9.67	9.99	12.14	9.54	9.23	11.25	9.10	(8.3%)
4th/[412,424)	9.38	10.93	10.04	10.89	11.78	9.00	10.70	11.07	8.67	7.54	(11.1%)
5th/[424,435)	9.69	10.83	11.48	11.33	9.89	13.18	10.88	8.14	8.24	6.34	(10.5%)
6th/[435,443)	10.02	9.65	10.44	12.50	11.66	8.54	11.71	9.65	8.02	7.81	(9.9%)
7th/[443,455)	9.83	11.92	10.77	10.18	12.51	9.68	9.14	9.93	9.48	6.55	(10.5%)
8th/[455,466)	9.88	11.80	12.38	11.58	10.89	9.78	9.46	10.57	7.28	6.38	(9.8%)
9th/[466,482)	10.08	11.94	13.47	12.15	10.61	10.61	9.44	8.70	7.48	5.52	(9.8%)
10th/[482,583]	10.82	11.70	12.54	11.51	10.72	9.01	9.94	8.91	8.62	6.22	(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