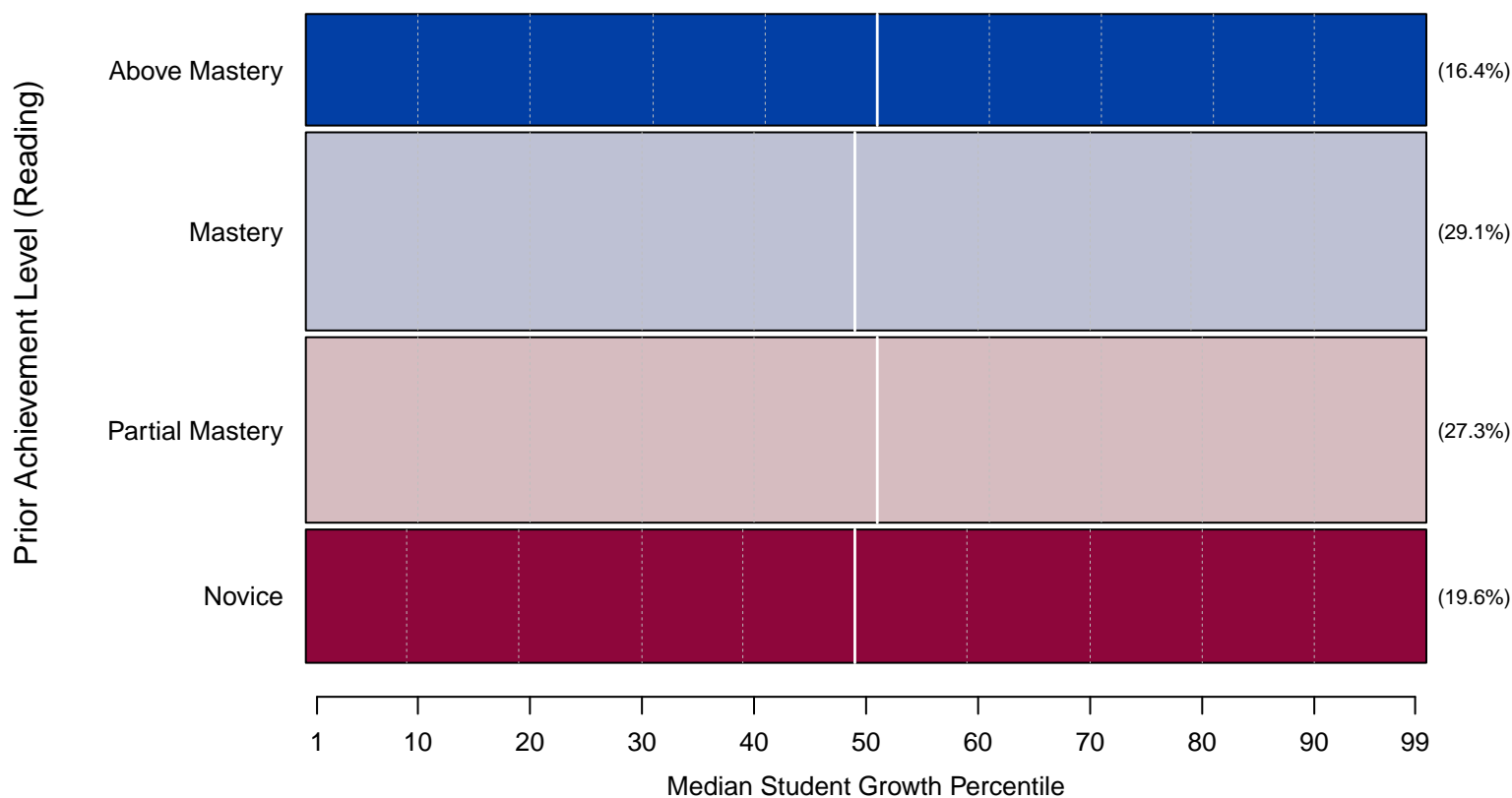# Student Growth Percentile Goodness–of–Fit Descriptives
2014–2015 Reading SGP, Grade 11 (N = 16,061)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

Above Mastery	(16.4%)
Mastery	(29.1%)
Partial Mastery	(27.3%)
Novice	(19.6%)

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/[150,433)	9.33	10.16	9.71	10.35	10.16	9.84	9.40	10.16	10.10	10.79	(9.8%)
2nd/[433,454)	10.77	10.34	9.53	9.90	9.90	10.21	9.78	9.96	9.40	10.21	(10%)
3rd/[454,470)	9.49	9.55	10.98	10.30	9.80	9.86	10.42	10.86	9.24	9.49	(10%)
4th/[470,482)	8.91	10.59	9.31	9.72	9.45	8.91	10.05	10.05	11.54	11.47	(9.2%)
5th/[482,494)	9.05	10.02	9.41	9.90	9.84	11.37	9.78	9.41	10.09	11.12	(10.2%)
6th/[494,506)	9.80	9.68	11.10	8.75	10.24	9.62	10.24	10.67	9.62	10.30	(10%)
7th/[506,518)	10.59	10.34	9.85	10.65	10.96	8.73	8.85	10.22	10.09	9.72	(10.1%)
8th/[518,533)	9.28	10.15	9.47	11.14	8.17	11.08	10.89	9.41	9.53	10.89	(10.1%)
9th/[533,551)	8.95	10.52	10.02	9.33	9.33	9.58	9.39	11.08	11.33	10.46	(9.9%)
10th/[551,761]	10.06	9.53	10.23	9.06	11.05	10.12	10.12	9.36	9.36	11.11	(10.6%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution