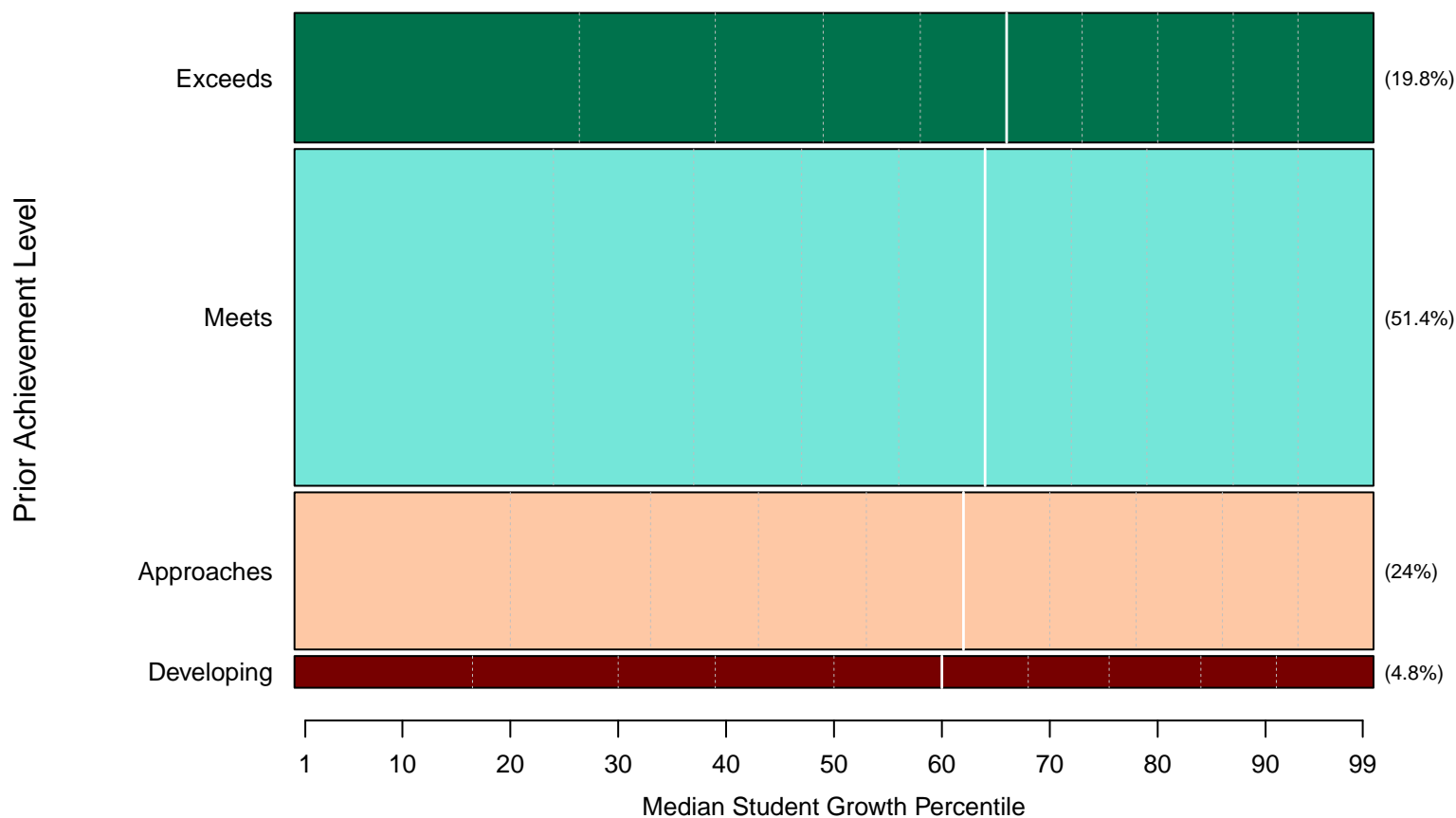# Student Growth Percentile Goodness–of–Fit Descriptives
2009–2010 Reading SGP, Grade 8 (N = 29,867)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Exceeds (19.8%)
- Meets (51.4%)
- Approaches (24%)
- Developing (4.8%)

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/[100,233)	5.70	6.40	7.36	8.72	10.78	10.26	12.32	12.87	12.47	13.13	(9.1%)
2nd/[233,273)	4.11	5.89	7.14	9.57	9.96	11.86	11.36	11.79	13.71	14.61	(9.4%)
3rd/[273,302)	3.36	5.50	6.89	9.87	9.61	10.22	13.07	13.75	12.23	15.50	(10.3%)
4th/[302,320)	3.28	4.81	6.88	8.30	10.45	12.30	12.45	12.52	13.87	15.14	(9.2%)
5th/[320,340)	2.75	5.00	7.09	8.69	9.72	11.75	11.53	13.44	14.81	15.22	(10.7%)
6th/[340,356)	2.54	4.09	7.16	8.50	10.65	11.36	12.42	12.66	14.57	16.05	(9.5%)
7th/[356,376)	2.54	4.60	6.36	7.91	11.41	11.73	11.67	13.60	14.01	16.17	(10.4%)
8th/[376,392)	2.58	4.09	6.07	7.62	10.72	11.02	14.04	14.73	13.65	15.46	(7.8%)
9th/[392,427)	1.67	4.11	6.41	8.09	10.16	11.41	12.60	14.87	14.67	16.00	(11.8%)
10th/[427,500]	1.59	3.98	6.28	8.39	10.60	11.82	13.16	13.76	15.32	15.09	(11.8%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution