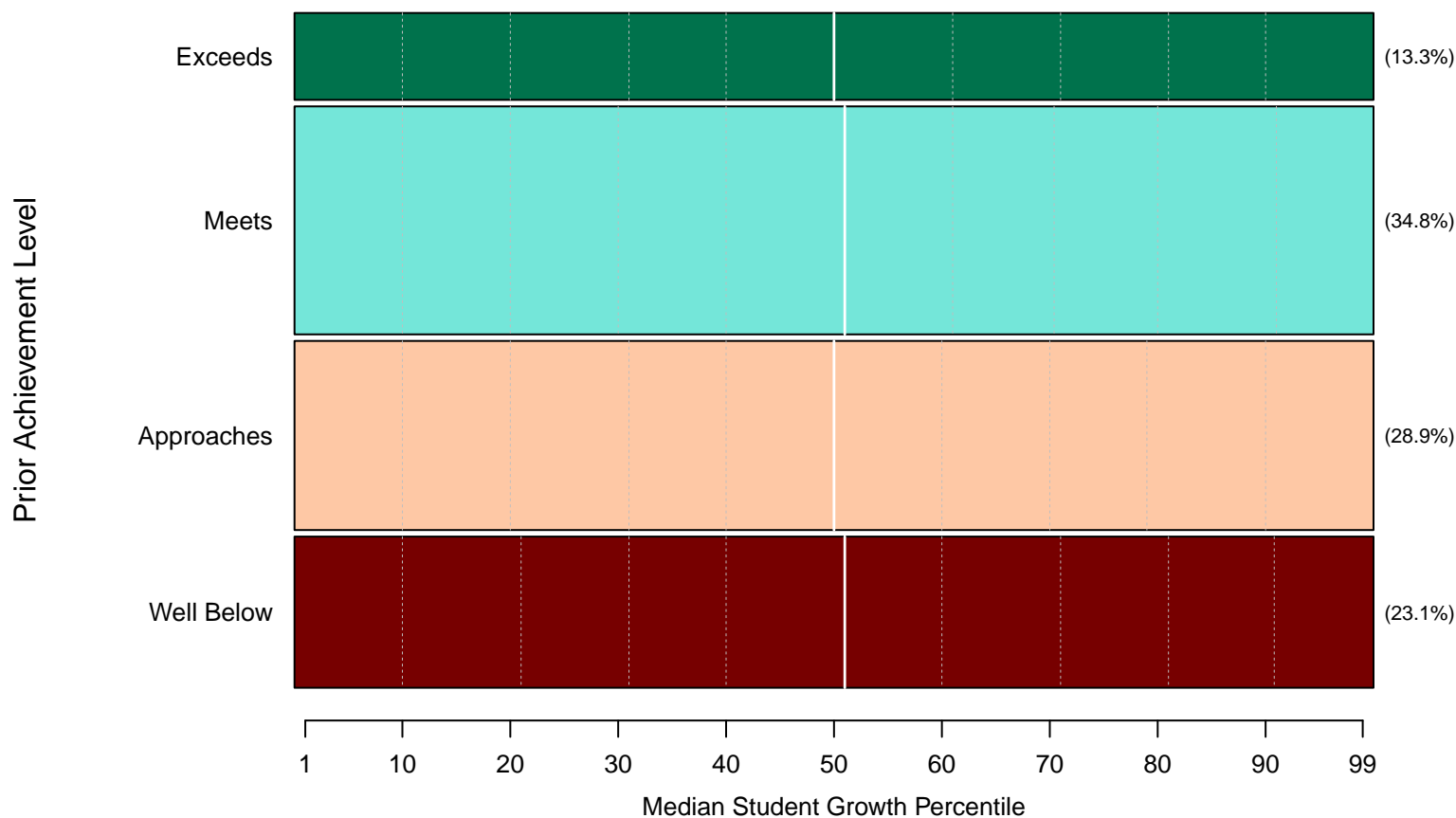# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Mathematics SGP, Grade 10 (N = 9,808)

SGP Deciles by Prior Achievement Level

Prior Achievement Level / Median Student Growth Percentile

- Exceeds (13.3%)
- Meets (34.8%)
- Approaches (28.9%)
- Well Below (23.1%)

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/[102,249)	10.83	8.31	9.57	9.78	10.30	10.83	9.57	10.52	10.20	10.09	(9.7%)
2nd/[249,265)	9.36	10.22	10.59	10.71	10.47	10.96	9.24	8.62	8.37	11.45	(8.3%)
3rd/[265,279)	8.27	8.27	10.62	10.24	9.21	9.12	10.71	10.15	12.03	11.37	(10.8%)
4th/[279,288)	10.62	9.43	9.43	9.75	10.83	10.51	9.86	10.18	8.45	10.94	(9.4%)
5th/[288,298)	9.29	10.36	9.49	10.65	9.10	11.52	8.71	10.94	9.68	10.26	(10.5%)
6th/[298,308)	9.70	8.89	11.54	8.68	9.81	9.50	10.32	12.67	10.01	8.89	(10%)
7th/[308,318)	9.74	9.64	8.39	10.70	9.35	9.64	9.84	10.32	10.03	12.34	(10.6%)
8th/[318,329)	8.79	10.95	11.06	10.30	9.98	9.33	9.00	7.92	10.52	12.15	(9.4%)
9th/[329,347)	9.26	9.67	9.67	10.67	9.57	10.37	10.57	10.67	9.37	10.17	(10.1%)
10th/[347,479]	10.24	9.60	9.78	9.78	9.78	9.41	10.42	10.60	9.96	10.42	(11.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution / Empirical SGP Distribution