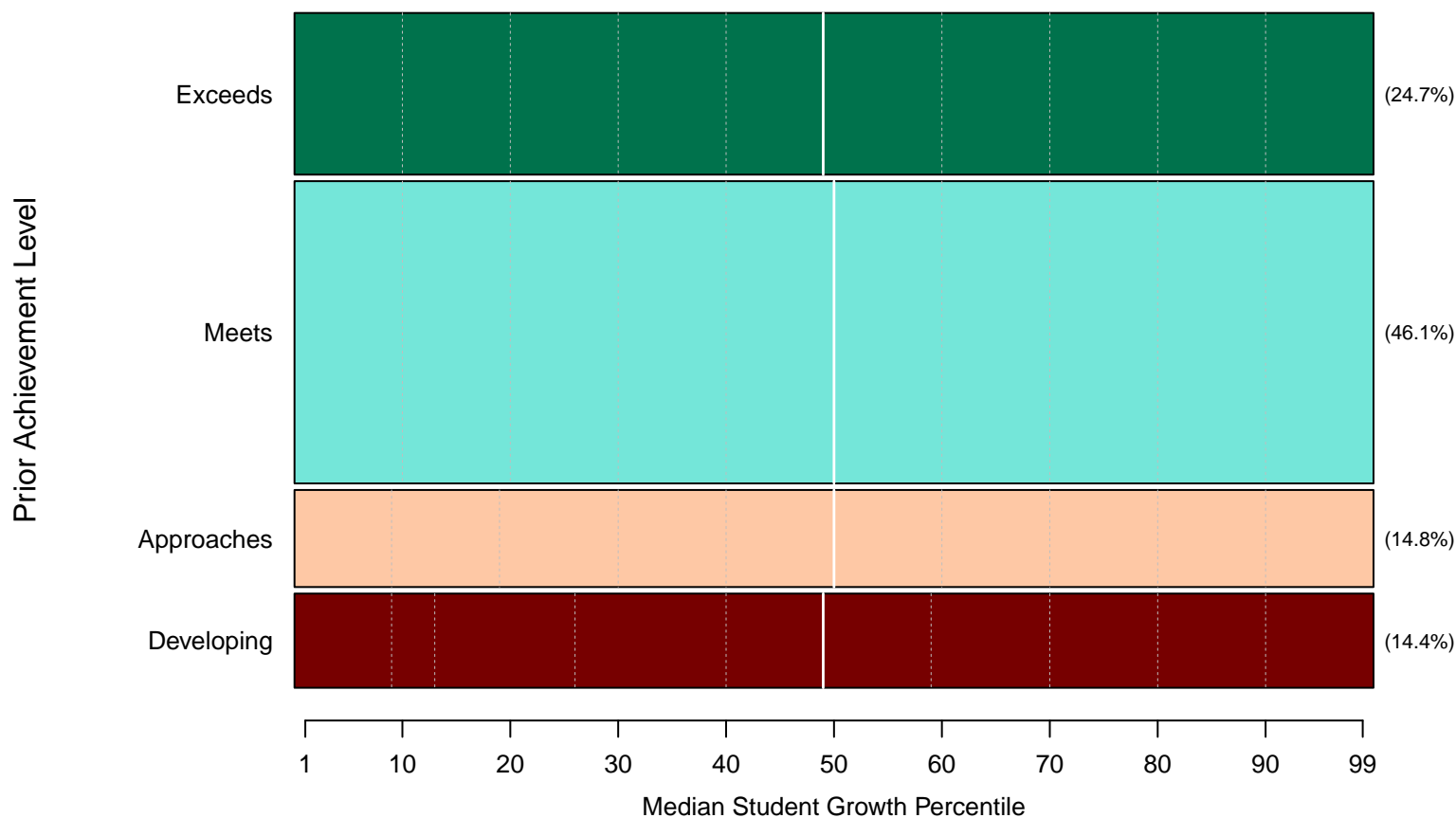# Student Growth Percentile Goodness–of–Fit Descriptives

2009–2010 Mathematics SGP, Grade 10 (N = 27,017)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Exceeds (24.7%)
- Meets (46.1%)
- Approaches (14.8%)
- Developing (14.4%)

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/[100,176)	13.05	15.78	4.32	6.93	9.47	9.97	9.78	10.48	9.93	10.28	(9.5%)
2nd/[176,223)	6.60	13.09	9.21	10.38	11.88	9.89	9.99	8.97	10.14	9.84	(7.6%)
3rd/[223,267)	12.65	8.20	9.18	9.61	10.01	9.88	9.55	10.37	10.01	10.56	(12.1%)
4th/[267,291)	8.46	11.13	10.97	10.10	9.45	10.14	10.06	9.77	9.61	10.31	(9%)
5th/[291,312)	7.82	9.95	10.25	10.20	10.29	10.50	10.33	10.00	9.62	11.04	(8.8%)
6th/[312,337)	9.99	10.22	9.66	10.06	10.06	9.66	9.82	9.69	10.72	10.12	(11.2%)
7th/[337,360)	11.12	9.63	10.00	8.91	9.89	9.92	10.07	10.29	9.42	10.76	(10.2%)
8th/[360,388)	9.35	9.73	10.39	10.53	9.56	10.25	9.24	10.04	10.11	10.81	(10.7%)
9th/[388,421)	8.55	10.91	9.85	9.65	10.79	9.26	10.32	10.04	10.59	10.04	(9.4%)
10th/[421,500]	10.67	9.38	9.64	10.15	10.70	9.80	9.54	10.09	9.51	10.54	(11.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution