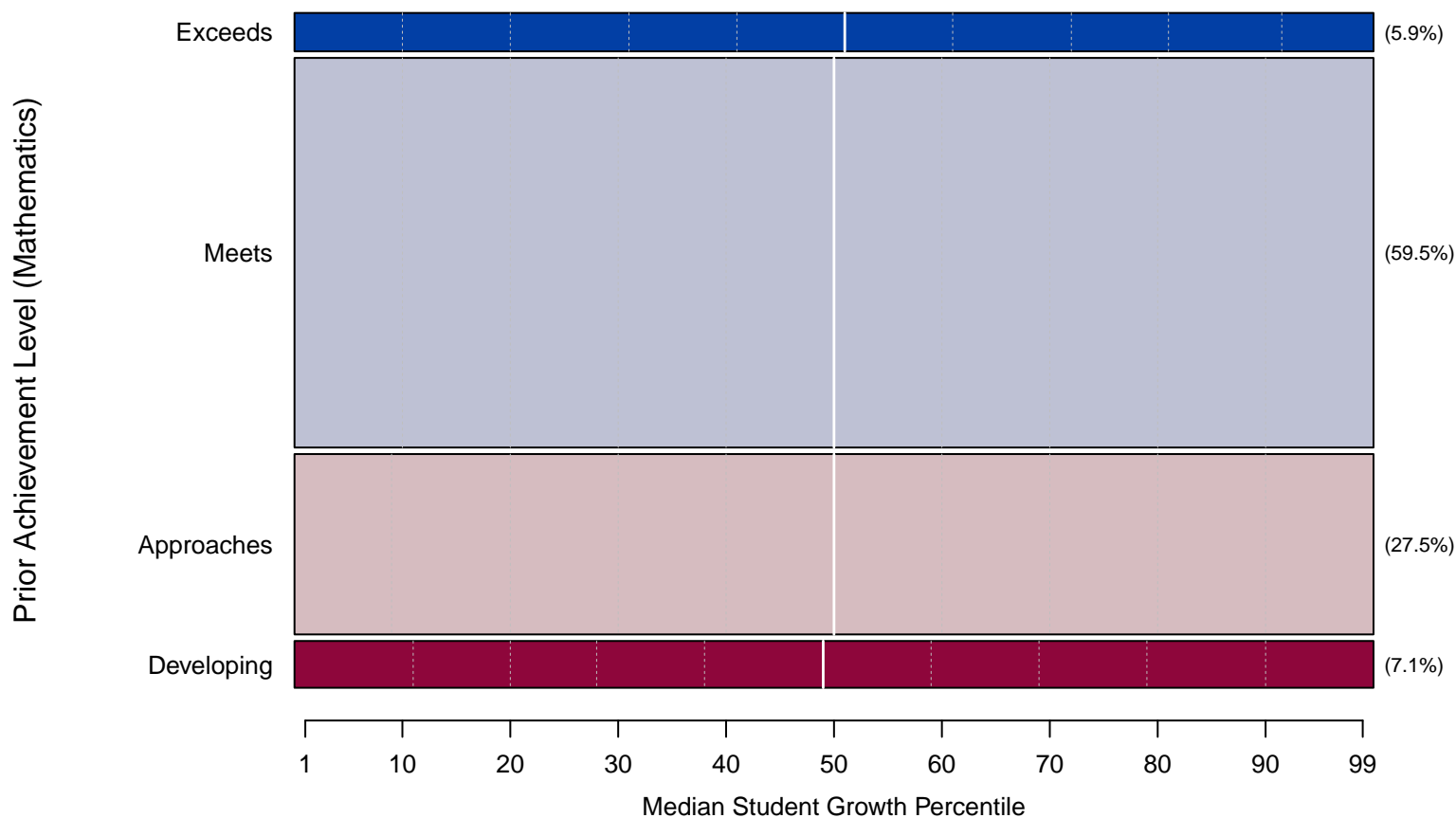# Student Growth Percentile Goodness–of–Fit Descriptives

2013–2014 Mathematics SGP, Grade 10 (N = 27,408)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Exceeds (5.9%)
- Meets (59.5%)
- Approaches (27.5%)
- Developing (7.1%)

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/[100,212)	9.12	11.09	11.83	9.40	8.71	10.06	9.69	9.61	9.98	10.51	(8.9%)
2nd/[212,239)	10.34	11.20	8.99	9.93	9.89	9.93	9.65	10.59	9.73	9.73	(8.9%)
3rd/[239,260)	11.40	7.81	9.60	9.97	10.20	10.33	10.37	9.83	9.97	10.53	(11%)
4th/[260,274)	8.51	10.34	10.75	10.46	10.46	9.16	10.22	9.65	9.61	10.83	(9%)
5th/[274,286)	9.30	10.60	9.83	9.64	9.53	10.56	10.14	9.91	9.83	10.64	(9.5%)
6th/[286,303)	9.33	11.01	10.76	10.36	9.58	10.57	8.84	9.89	9.61	10.05	(11.8%)
7th/[303,315)	9.73	10.83	9.69	8.63	10.45	9.18	10.62	10.07	9.77	11.04	(8.6%)
8th/[315,332)	9.58	9.00	9.44	9.82	10.46	10.43	9.85	9.85	10.46	11.11	(10.7%)
9th/[332,358)	10.06	9.21	9.86	10.67	9.82	10.50	9.69	10.26	9.72	10.20	(10.8%)
10th/[358,500]	9.18	10.46	9.69	9.52	9.79	9.69	10.09	10.53	10.02	11.03	(10.8%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution