Student Growth Percentile Goodness–of–Fit Descriptives
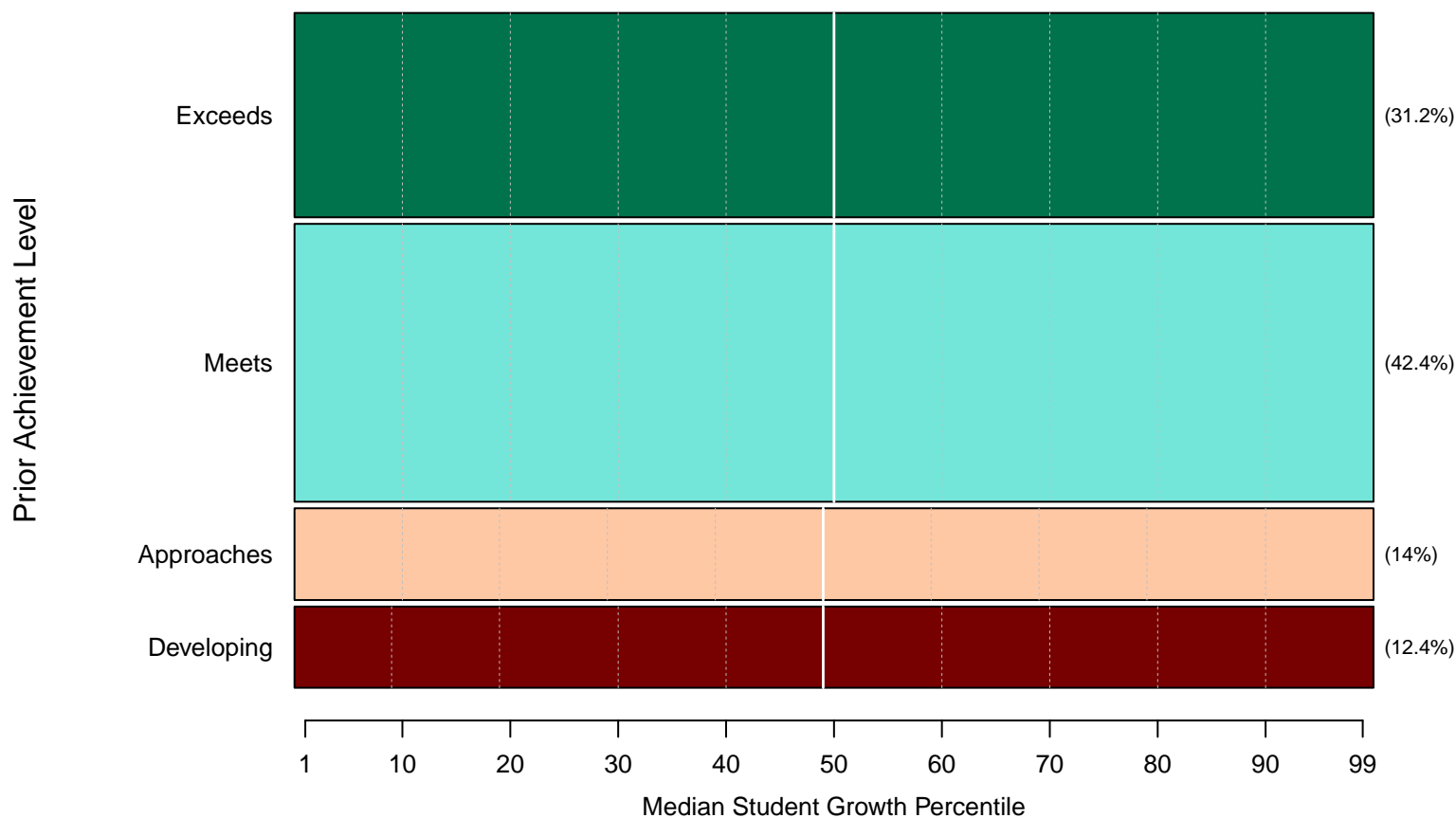## 2009–2010 Mathematics SGP, Grade 8 (N = 29,803)

SGP Deciles by Prior Achievement Level

Prior Achievement Level:
- Exceeds (31.2%)
- Meets (42.4%)
- Approaches (14%)
- Developing (12.4%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

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/[100,187)	11.03	10.76	7.50	9.98	10.99	9.55	9.94	10.02	9.71	10.52	(8.6%)
2nd/[187,247)	10.61	9.55	9.98	10.01	9.91	9.88	9.95	9.81	10.18	10.11	(10.1%)
3rd/[247,284)	9.05	11.18	10.13	9.45	10.40	9.90	9.51	10.69	9.71	9.97	(10.2%)
4th/[284,310)	9.96	9.69	10.67	10.00	10.55	9.89	9.96	9.42	9.65	10.20	(8.6%)
5th/[310,343)	10.80	9.52	10.58	10.36	9.17	9.76	9.49	9.55	10.14	10.63	(12.3%)
6th/[343,368)	9.27	10.41	9.48	9.41	10.24	10.24	10.13	9.86	9.38	11.58	(9.7%)
7th/[368,394)	9.71	10.15	9.71	9.96	10.36	9.64	10.22	10.26	9.31	10.69	(9.2%)
8th/[394,425)	10.85	9.99	10.28	9.67	9.35	9.99	9.67	9.10	10.67	10.42	(9.4%)
9th/[425,475)	8.74	9.57	9.73	10.01	10.07	9.85	10.07	10.32	10.28	11.37	(10.9%)
10th/[475,500]	9.83	10.44	9.43	9.86	10.41	10.47	9.64	10.01	10.13	9.77	(11%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100