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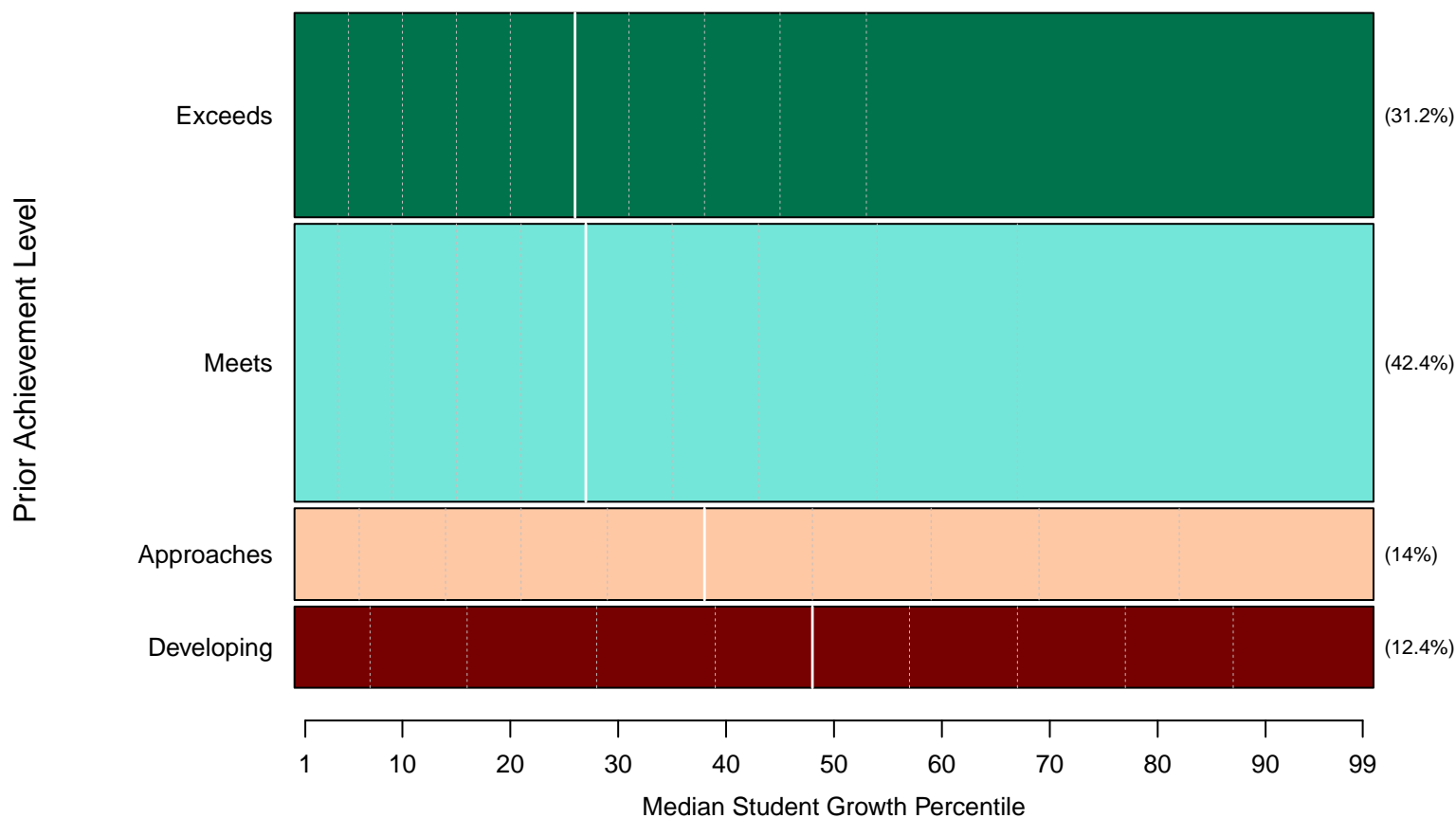
2009–2010 Mathematics SGP, Grade 8 (N = 29,803)

SGP Deciles by Prior Achievement Level

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

Median Student Growth Percentile

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]	13.55	9.75	7.50	8.82	10.06	11.15	9.59	10.83	10.72	8.04	(8.6%)
2nd/[187,247]	13.83	11.11	12.07	10.68	9.85	10.51	9.05	9.08	8.22	5.60	(10.1%)
3rd/[247,284]	15.02	14.00	13.84	10.36	9.97	8.92	9.54	7.71	6.82	3.80	(10.2%)
4th/[284,310]	18.75	14.99	13.26	11.89	10.40	8.67	8.47	6.08	4.67	2.82	(8.6%)
5th/[310,343]	21.32	17.46	14.36	11.91	10.28	8.51	7.10	4.84	2.96	1.25	(12.3%)
6th/[343,368]	21.54	18.34	16.34	12.79	11.24	8.00	6.07	3.41	1.76	0.52	(9.7%)
7th/[368,394]	21.82	19.27	16.90	14.96	10.55	8.47	4.96	2.34	0.62	0.11	(9.2%)
8th/[394,425]	22.24	20.34	16.69	15.26	11.75	7.92	3.76	1.36	0.43	0.25	(9.4%)
9th/[425,475]	18.90	19.98	19.24	15.66	13.77	8.52	2.87	0.83	0.22	0.00	(10.9%)
10th/[475,500]	17.48	18.37	17.24	16.44	14.05	10.62	3.74	1.47	0.34	0.24	(11%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution