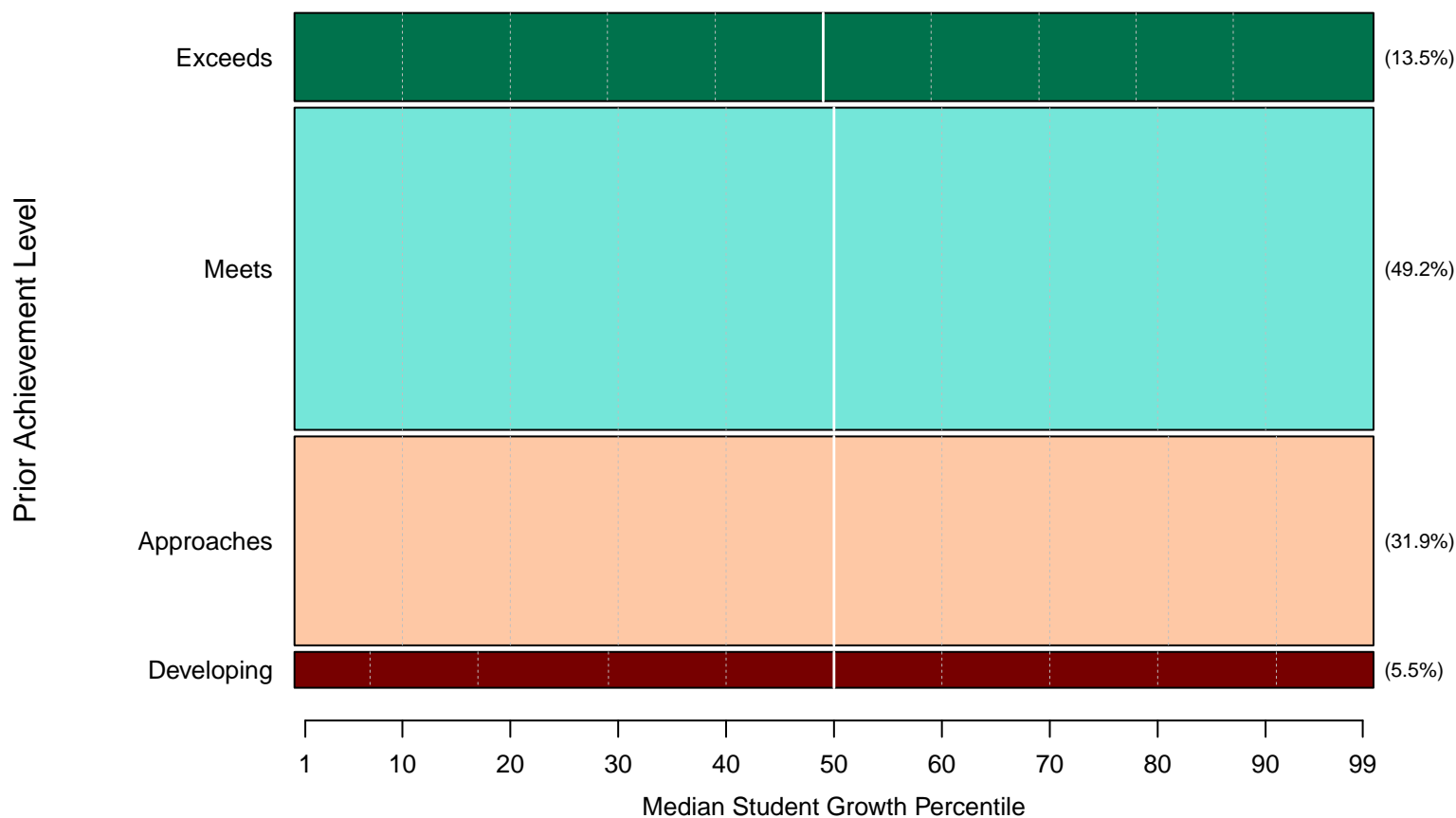# Student Growth Percentile Goodness–of–Fit Descriptives

2008–2009 Mathematics SGP, Grade 6 (N = 29,583)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Exceeds	(13.5%)
Meets	(49.2%)
Approaches	(31.9%)
Developing	(5.5%)

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/[100,224)	11.43	8.97	9.11	9.55	9.22	9.91	10.45	9.80	10.31	11.25	(9.3%)
2nd/[224,261)	9.64	9.68	10.17	10.10	10.56	10.00	9.81	10.00	10.20	9.84	(10.4%)
3rd/[261,284)	8.85	11.04	8.99	9.72	10.49	9.94	9.69	9.90	9.87	11.51	(9.2%)
4th/[284,300)	9.71	9.75	10.59	9.95	9.59	9.43	10.03	9.51	9.19	12.27	(8.4%)
5th/[300,317)	9.96	9.74	9.83	10.09	10.67	10.74	9.54	9.93	9.74	9.77	(10.5%)
6th/[317,336)	9.62	10.03	10.94	10.05	9.22	9.22	10.20	10.48	10.89	9.34	(11.8%)
7th/[336,350)	9.37	9.97	8.96	10.99	10.69	9.49	10.39	10.50	9.94	9.71	(9%)
8th/[350,367)	9.29	10.68	9.44	9.52	9.59	10.34	9.82	10.00	9.37	11.94	(9.1%)
9th/[367,388)	10.00	9.39	10.96	9.58	10.20	11.00	9.97	9.51	6.21	13.19	(8.8%)
10th/[388,500]	9.39	10.20	10.50	10.20	10.77	10.37	8.99	11.23	11.53	6.83	(13.5%)

*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

100   90   80   70   60   50   40   30   20   10   0