Student Growth Percentile Goodness–of–Fit Descriptives
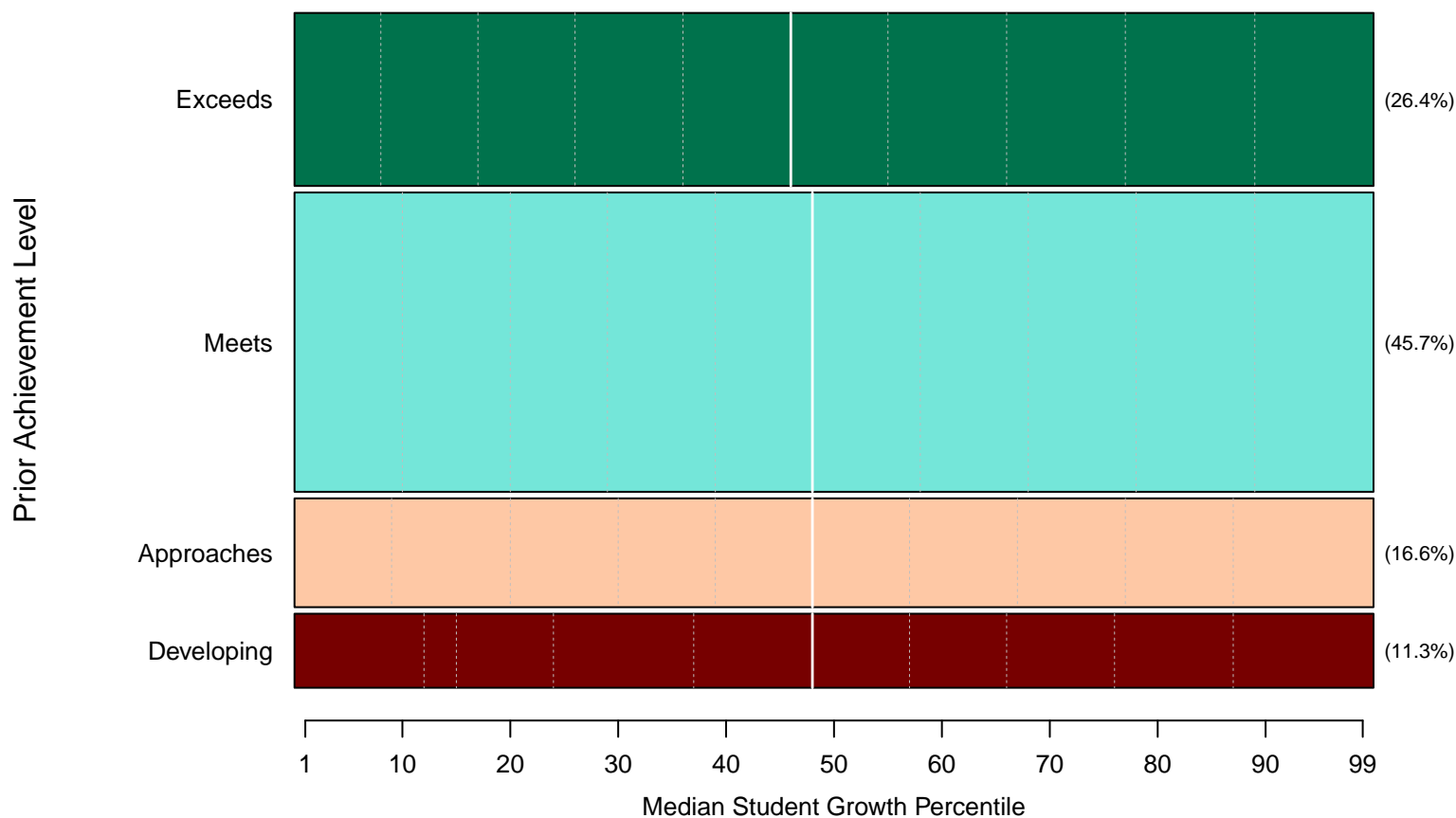
2010–2011 Mathematics SGP, Grade 10 (N = 28,064)

SGP Deciles by Prior Achievement Level

Prior Achievement Level	Median Student Growth Percentile
Exceeds	(26.4%)
Meets	(45.7%)
Approaches	(16.6%)
Developing	(11.3%)

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/[100,199)	7.34	19.90	7.56	7.67	11.02	10.27	9.74	9.78	8.77	7.94	(9.5%)
2nd/[199,238)	9.62	10.88	8.16	11.14	11.39	10.96	10.79	9.84	10.06	7.16	(8.3%)
3rd/[238,271)	9.66	9.24	11.38	11.20	9.91	11.27	10.57	9.21	9.24	8.33	(10.2%)
4th/[271,299)	6.95	10.92	10.73	10.58	11.50	10.34	10.73	10.43	9.36	8.45	(11.7%)
5th/[299,320)	8.46	10.59	11.03	9.64	10.71	10.59	10.12	10.04	8.74	10.08	(9%)
6th/[320,339)	9.32	10.47	9.81	11.77	10.67	9.69	9.69	9.44	9.32	9.81	(8.7%)
7th/[339,366)	11.07	10.72	10.72	10.17	10.37	9.50	9.50	9.11	8.89	9.95	(11.1%)
8th/[366,395)	10.39	11.10	11.17	9.40	10.14	10.39	10.04	8.90	8.26	10.21	(10%)
9th/[395,440)	10.42	12.45	8.78	10.52	10.68	10.03	9.37	9.53	8.85	9.37	(10.9%)
10th/[440,500]	12.55	10.71	11.38	10.37	10.44	9.40	9.27	8.16	8.87	8.87	(10.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution