Student Growth Percentile Goodness–of–Fit Descriptives
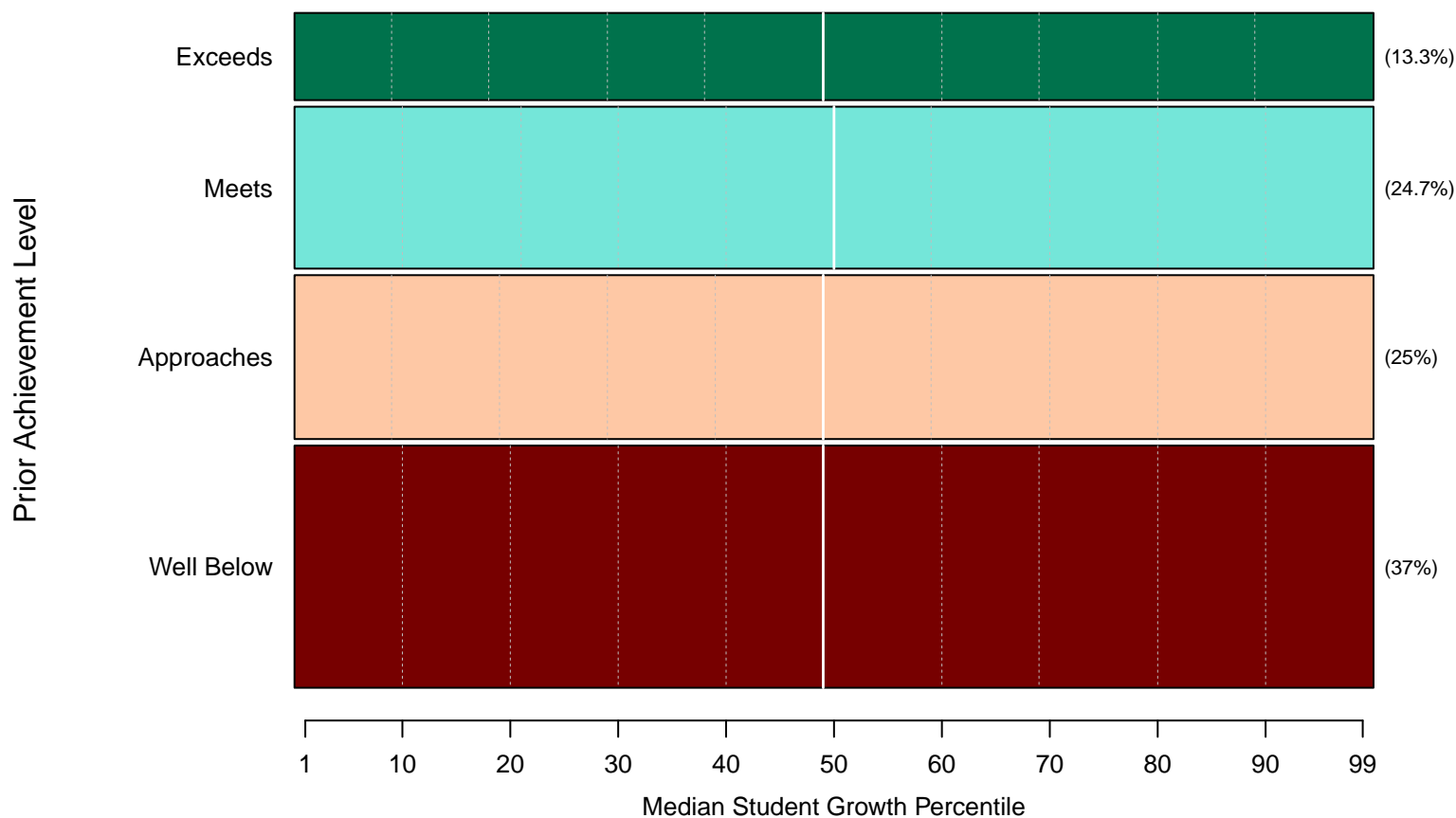
2010 Mathematics SGP, Grade 10 (N = 9,926)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Exceeds (13.3%)
- Meets (24.7%)
- Approaches (25%)
- Well Below (37%)

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/[105,239)	9.68	13.24	7.90	10.79	10.12	9.34	12.24	7.01	10.34	9.34	(9.1%)
2nd/[239,253)	9.46	8.45	13.37	10.72	5.67	11.73	7.82	11.60	11.22	9.96	(8%)
3rd/[253,265)	9.88	10.08	8.13	9.16	13.37	9.16	11.11	10.80	6.89	11.42	(9.8%)
4th/[265,276)	8.56	9.35	9.95	11.54	10.75	8.36	11.14	7.46	11.94	10.95	(10.1%)
5th/[276,289)	9.44	10.14	11.22	10.60	8.44	12.23	7.82	10.60	9.13	10.37	(13%)
6th/[289,298)	11.75	9.15	10.51	8.93	11.30	7.57	10.06	9.60	11.53	9.60	(8.9%)
7th/[298,308)	9.39	12.56	7.81	8.82	8.71	10.29	11.43	12.56	7.69	10.75	(8.9%)
8th/[308,320)	10.55	9.11	10.26	9.68	10.74	9.11	10.26	8.44	11.51	10.35	(10.5%)
9th/[320,338)	7.47	8.73	12.61	11.15	10.57	10.67	8.34	10.67	9.41	10.38	(10.4%)
10th/[338,467]	10.78	11.41	8.65	9.98	9.36	9.98	10.78	8.82	10.25	9.98	(11.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution