Student Growth Percentile Goodness–of–Fit Descriptives
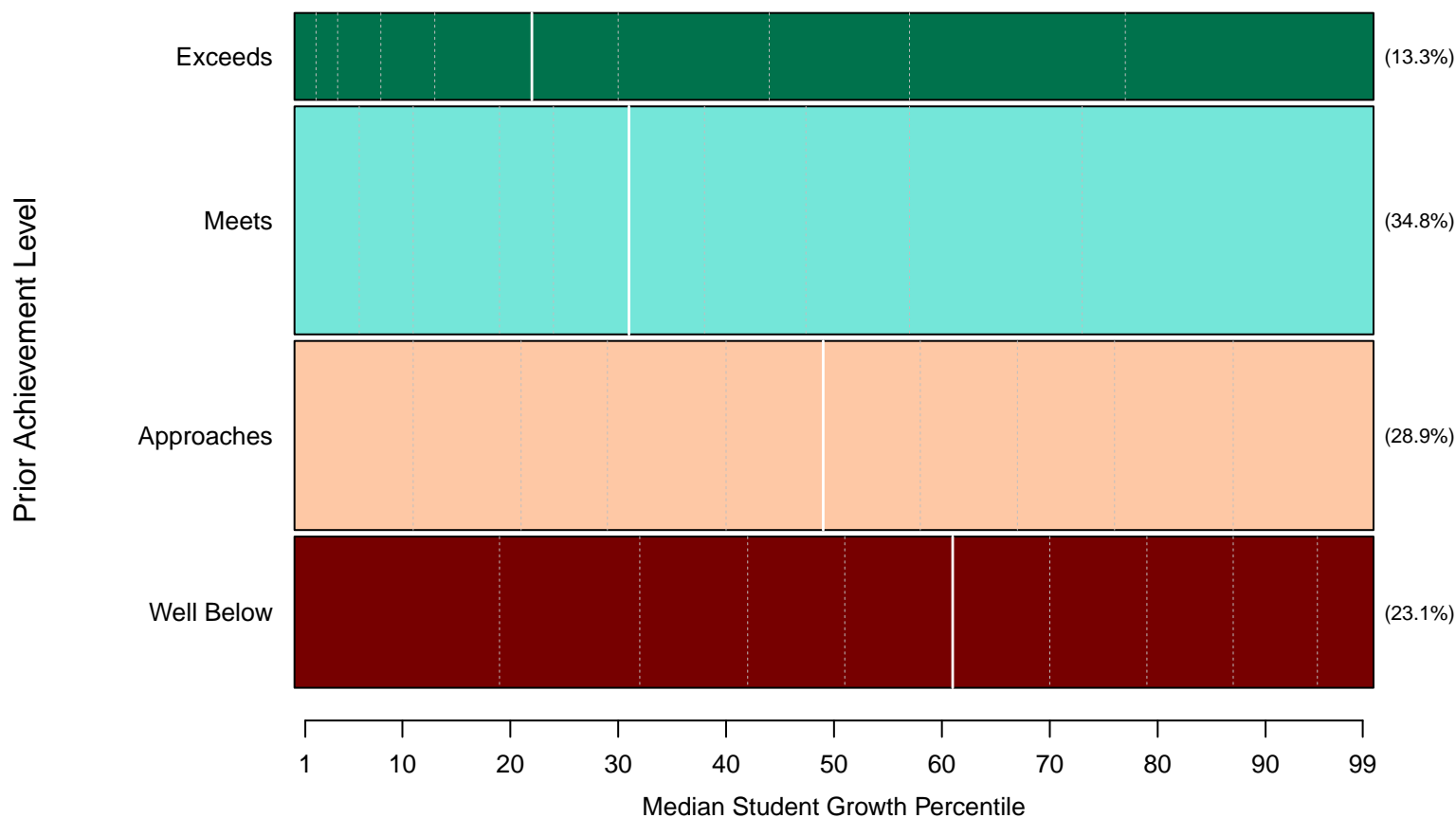## 2012 Mathematics SGP, Grade 10 (N = 9,808)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Exceeds	(13.3%)
Meets	(34.8%)
Approaches	(28.9%)
Well Below	(23.1%)

Median Student Growth Percentile (axis: 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/[102,249)	4.10	4.73	5.89	7.26	9.78	9.99	12.72	11.78	16.51	17.25	(9.7%)
2nd/[249,265)	4.68	6.53	9.61	11.08	12.93	8.74	11.33	9.98	10.22	14.90	(8.3%)
3rd/[265,279)	5.55	6.86	10.43	8.65	10.62	7.42	13.53	11.09	11.56	14.29	(10.8%)
4th/[279,288)	8.56	9.32	12.03	9.10	11.05	7.91	12.78	10.62	10.08	8.56	(9.4%)
5th/[288,298)	9.97	10.55	11.91	9.97	11.42	10.75	12.49	10.65	6.87	5.42	(10.5%)
6th/[298,308)	10.01	12.87	13.07	9.91	18.59	13.28	9.19	5.41	4.90	2.76	(10%)
7th/[308,318)	12.34	13.89	17.07	14.56	11.96	9.55	6.65	5.40	4.92	3.66	(10.6%)
8th/[318,329)	15.08	21.15	18.44	11.82	8.35	7.81	5.75	4.66	4.01	2.93	(9.4%)
9th/[329,347)	26.99	18.13	13.70	11.58	7.25	7.45	4.13	3.73	3.73	3.32	(10.1%)
10th/[347,479)	33.82	14.90	11.52	8.04	6.22	5.85	5.03	5.21	3.93	5.48	(11.2%)

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

QQ–Plot: Student Growth Percentiles

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

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