Student Growth Percentile Goodness–of–Fit Descriptives
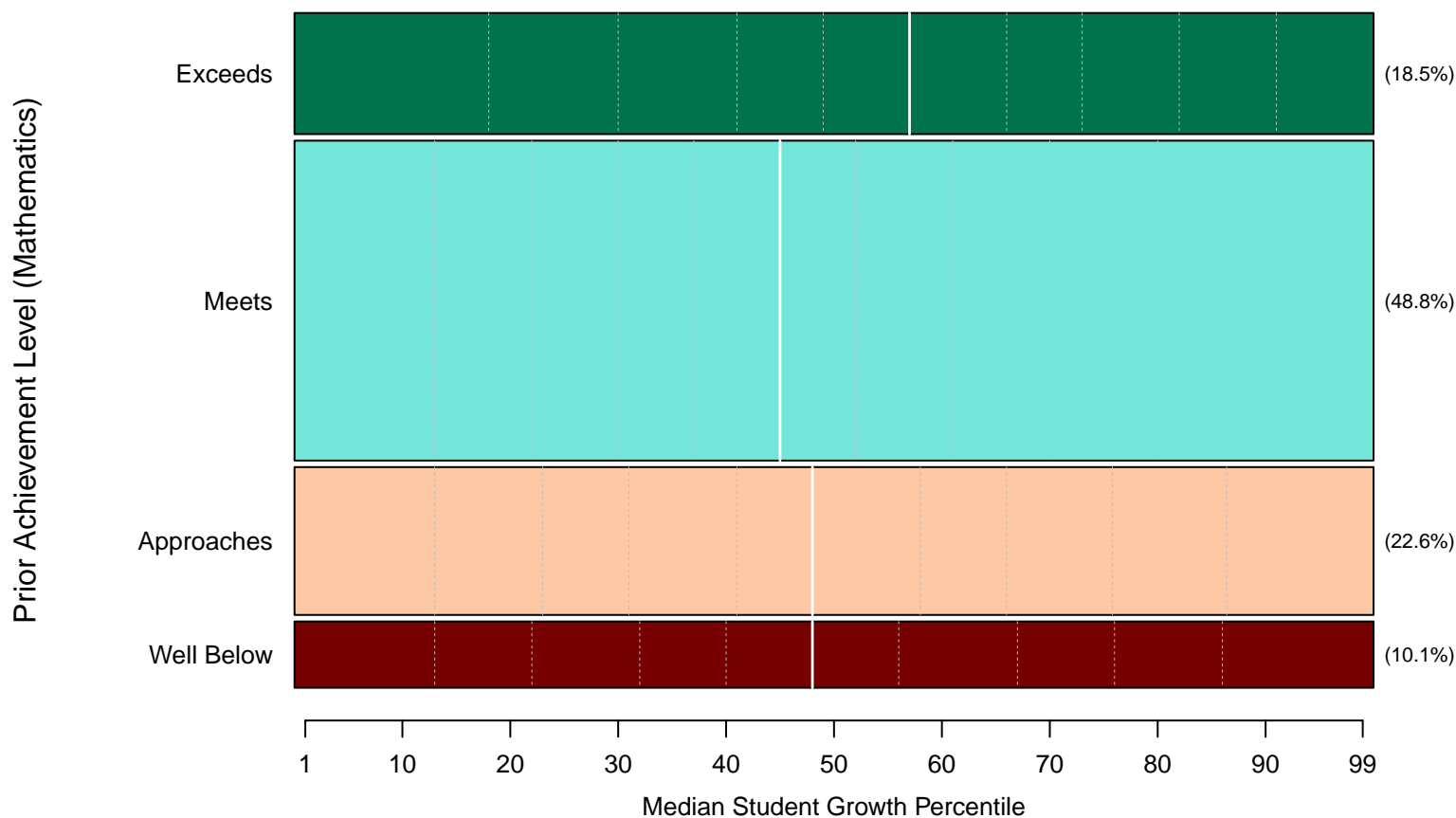
2013 Mathematics SGP, Grade 4 (N = 13,503)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Exceeds	(18.5%)
Meets	(48.8%)
Approaches	(22.6%)
Well Below	(10.1%)

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/[189,267)	6.67	10.74	10.28	11.20	12.35	12.58	8.44	11.12	9.66	6.98	(9.7%)
2nd/[267,285)	5.75	9.63	12.29	11.00	13.37	10.28	11.57	8.91	9.35	7.84	(10.3%)
3rd/[285,297)	6.47	10.49	11.01	10.19	12.80	8.56	13.84	10.49	9.75	6.40	(10%)
4th/[297,305)	6.65	11.39	8.31	11.39	16.38	9.81	13.80	10.39	7.32	4.57	(8.9%)
5th/[305,313)	6.52	9.25	10.39	15.05	15.70	11.11	12.83	9.75	6.02	3.37	(10.3%)
6th/[313,321)	8.25	7.25	13.41	13.06	15.49	11.62	11.76	10.26	5.88	3.01	(10.3%)
7th/[321,330)	4.81	11.57	13.00	14.58	15.88	10.70	9.05	9.99	6.75	3.66	(10.3%)
8th/[330,340)	8.61	11.35	10.42	14.17	12.29	13.39	9.87	9.01	6.58	4.31	(9.5%)
9th/[340,356)	6.73	8.71	7.72	12.11	13.24	13.46	11.19	11.47	9.14	6.23	(10.5%)
10th/[356,465]	3.38	5.68	6.04	9.42	11.36	11.29	9.56	14.88	10.57	17.83	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution