Student Growth Percentile Goodness–of–Fit Descriptives
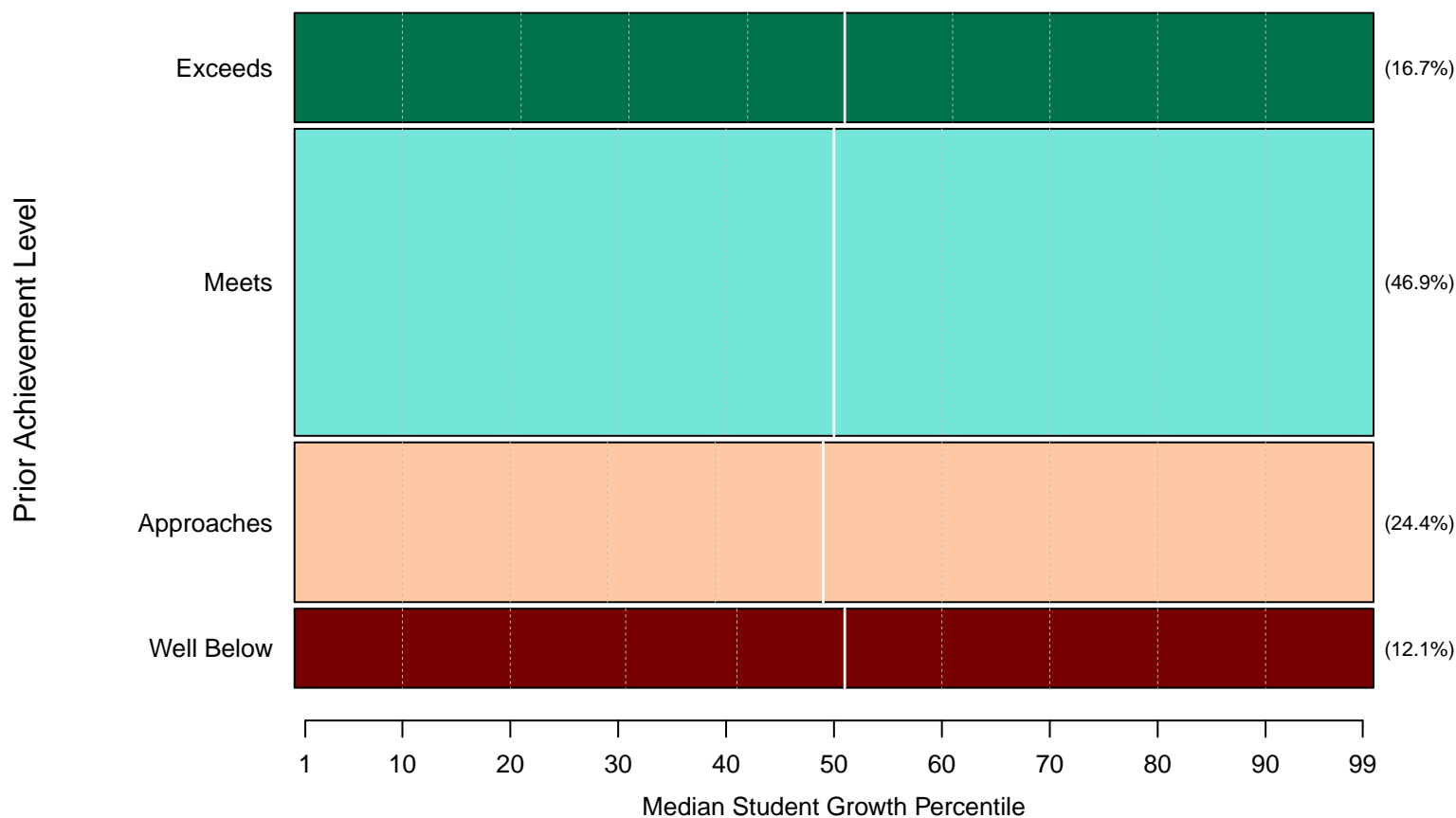## 2012 Mathematics SGP, Grade 4 (N = 13,170)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Exceeds	(16.7%)
Meets	(46.9%)
Approaches	(24.4%)
Well Below	(12.1%)

Median Student Growth Percentile

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/[184,263)	9.75	10.78	9.83	9.59	10.14	9.19	10.86	9.83	9.43	10.62	(9.6%)
2nd/[263,280)	8.84	8.77	10.37	10.29	10.06	10.75	9.45	10.29	10.75	10.44	(10%)
3rd/[280,293)	11.04	10.82	9.77	10.59	10.22	9.32	7.89	10.29	9.92	10.14	(10.1%)
4th/[293,302)	7.97	9.19	10.58	9.60	10.01	9.19	13.51	9.19	10.17	10.58	(9.3%)
5th/[302,310)	9.54	10.42	8.38	9.69	10.63	10.71	9.69	9.91	9.98	11.07	(10.4%)
6th/[310,318)	10.98	8.59	10.98	9.63	10.02	10.26	9.23	11.30	10.10	8.91	(9.5%)
7th/[318,327)	8.54	11.59	9.66	11.29	9.66	9.66	9.58	8.99	9.29	11.74	(10.2%)
8th/[327,338)	9.32	10.42	11.08	9.76	9.39	10.27	9.68	9.02	10.49	10.56	(10.3%)
9th/[338,354)	10.18	9.44	9.96	8.78	10.69	9.66	10.61	10.98	9.81	9.88	(10.4%)
10th/[354,453]	9.24	10.07	9.77	10.29	9.84	10.29	9.99	9.84	10.07	10.59	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution