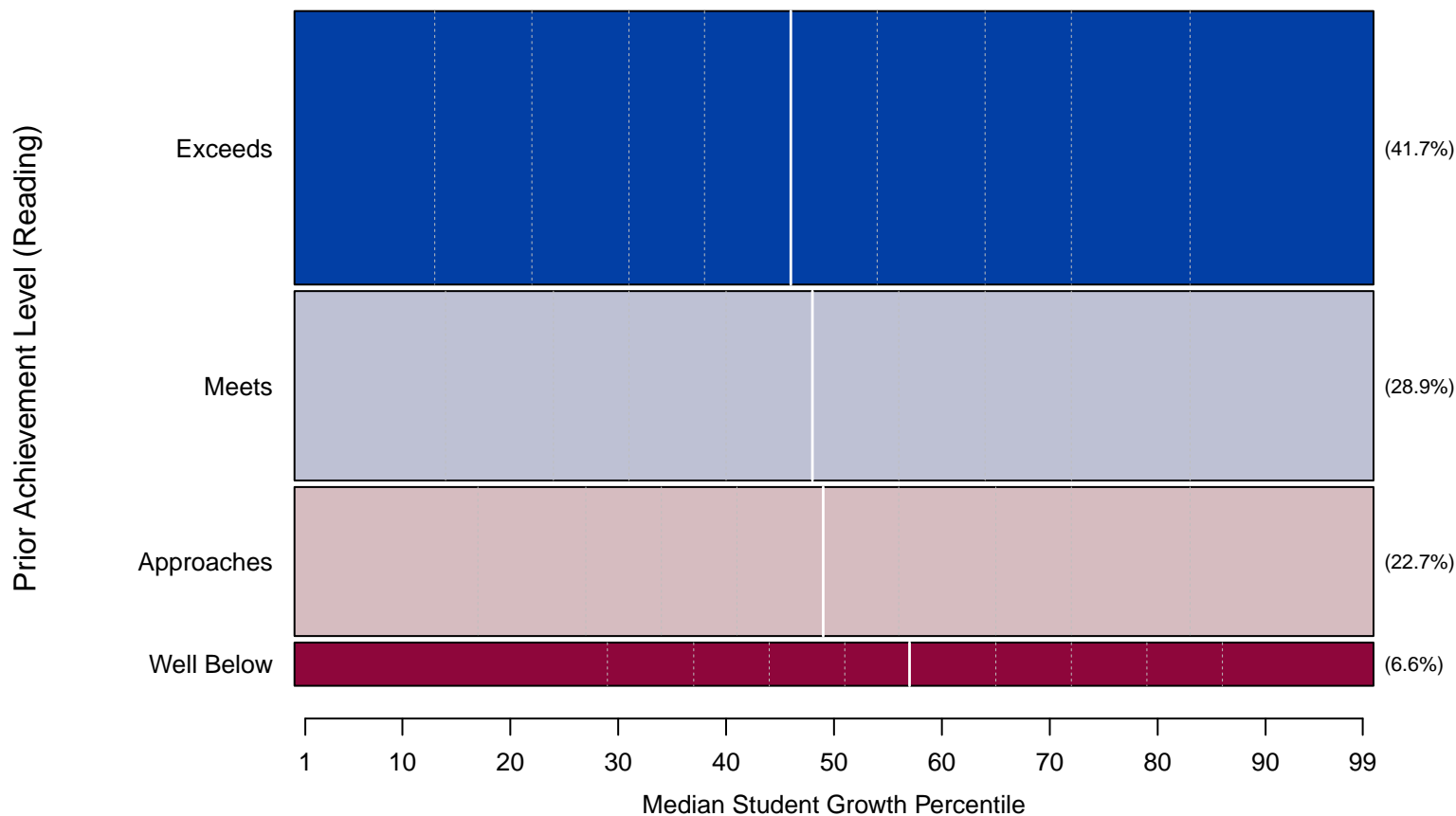# Student Growth Percentile Goodness–of–Fit Descriptives

2014 Reading SGP, Grade 4 (N = 13,593)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

Level	Percentage
Exceeds	(41.7%)
Meets	(28.9%)
Approaches	(22.7%)
Well Below	(6.6%)

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/[140,272)	0.98	5.08	7.80	13.86	14.85	14.17	12.88	13.79	9.62	6.97	(9.7%)
2nd/[272,288)	2.69	7.54	9.93	13.51	13.13	13.58	13.21	12.31	7.84	6.27	(9.9%)
3rd/[288,300)	6.33	9.64	12.35	14.01	11.22	13.33	12.12	10.69	5.42	4.89	(9.8%)
4th/[300,309)	5.05	10.10	11.64	13.98	11.57	13.03	11.86	9.00	7.47	6.30	(10%)
5th/[309,317)	6.46	8.40	10.19	13.14	13.50	13.64	10.62	10.55	8.40	5.10	(10.2%)
6th/[317,325)	5.68	9.51	11.43	14.97	11.21	14.60	10.03	10.55	7.08	4.94	(10%)
7th/[325,334)	4.92	10.27	11.57	15.40	11.64	13.45	10.56	9.33	8.82	4.05	(10.2%)
8th/[334,344)	7.60	10.95	11.10	15.65	11.33	13.04	10.06	9.39	8.20	2.68	(9.9%)
9th/[344,359)	8.21	10.01	10.37	14.33	10.22	10.66	12.31	9.94	8.64	5.33	(10.2%)
10th/[359,446]	5.16	10.90	12.06	10.47	10.25	13.01	9.81	11.70	9.23	7.41	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100