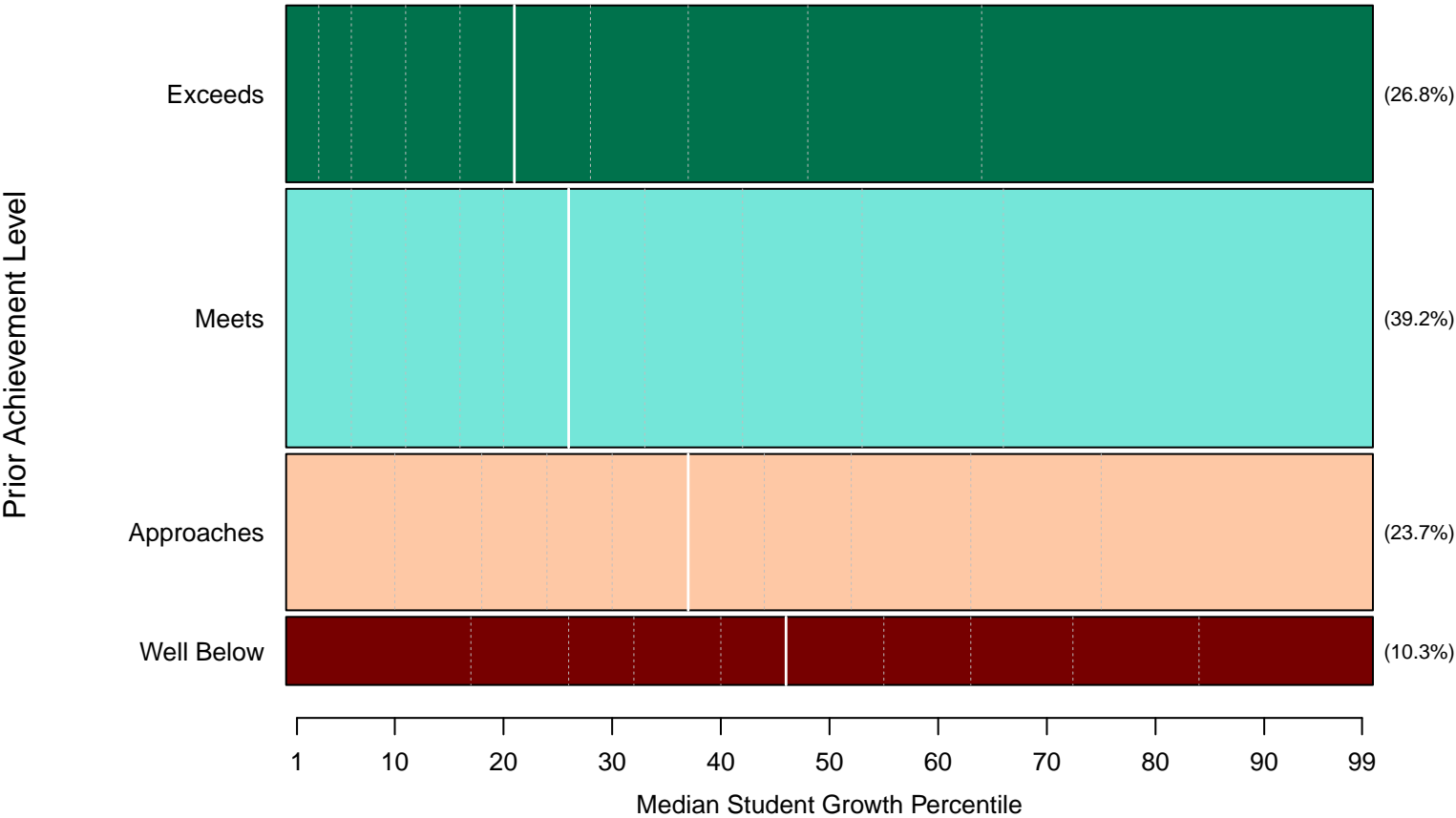# Student Growth Percentile Goodness–of–Fit Descriptives
2012 Reading SGP, Grade 7 (N = 12,062)

SGP Deciles by Prior Achievement Level

Prior Achievement Level	
Exceeds	(26.8%)
Meets	(39.2%)
Approaches	(23.7%)
Well Below	(10.3%)

Median Student Growth Percentile (x-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/[185,269)	3.60	8.08	13.08	14.57	14.40	11.50	11.59	8.60	9.48	5.09	(9.4%)
2nd/[269,284)	5.97	12.35	16.22	15.25	11.95	11.30	9.28	9.20	6.05	2.42	(10.3%)
3rd/[284,295)	9.49	14.85	15.82	15.03	14.24	9.67	7.82	6.94	3.51	2.64	(9.4%)
4th/[295,304)	11.72	19.26	16.21	15.97	11.32	9.39	6.66	4.17	3.53	1.77	(10.3%)
5th/[304,312)	14.04	20.08	17.96	12.16	10.61	10.04	6.20	5.06	2.86	0.98	(10.2%)
6th/[312,319)	19.45	21.31	14.41	11.94	8.75	9.81	5.57	3.98	3.27	1.50	(9.4%)
7th/[319,328)	21.15	19.44	18.12	11.74	9.72	6.92	5.21	3.81	2.64	1.24	(10.7%)
8th/[328,337)	24.78	20.21	16.32	13.39	7.69	4.92	5.44	3.11	2.42	1.73	(9.6%)
9th/[337,350)	27.33	20.10	15.12	11.30	9.97	4.98	5.48	3.07	1.66	1.00	(10%)
10th/[350,444]	29.78	18.06	13.81	10.34	7.64	5.40	6.71	2.93	2.47	2.85	(10.7%)

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

QQ–Plot: Student Growth Percentiles

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

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