Student Growth Percentile Goodness–of–Fit Descriptives
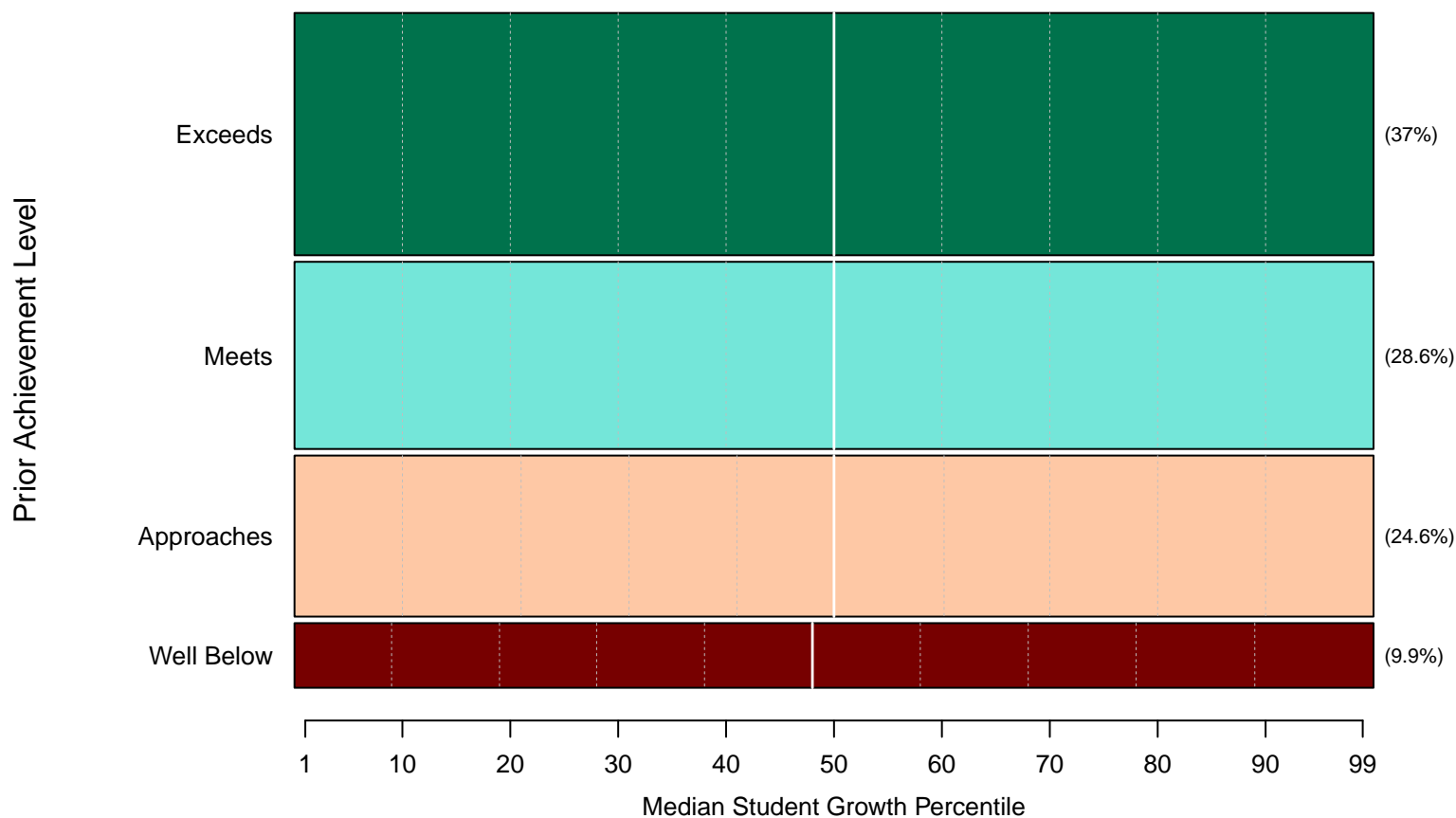## 2012 Reading SGP, Grade 4 (N = 13,192)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (vertical axis): Exceeds (37%), Meets (28.6%), Approaches (24.6%), Well Below (9.9%)

Median Student Growth Percentile (horizontal 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/[211,266)	10.38	10.22	10.99	9.61	10.61	9.99	9.53	9.76	9.22	9.68	(9.9%)
2nd/[266,281)	9.00	8.84	9.23	9.78	9.39	10.33	10.25	10.80	10.95	11.42	(9.7%)
3rd/[281,294)	9.22	11.09	9.06	10.00	9.53	9.92	10.47	10.23	9.92	10.55	(9.7%)
4th/[294,305)	9.55	9.13	10.69	11.32	10.19	10.26	9.27	9.55	9.84	10.19	(10.7%)
5th/[305,313)	10.29	11.56	9.82	9.03	10.13	9.82	10.13	9.58	8.55	11.08	(9.6%)
6th/[313,321)	8.84	10.09	10.09	10.16	10.09	9.28	9.94	10.01	11.78	9.72	(10.3%)
7th/[321,330)	9.53	9.06	9.60	10.30	10.15	10.77	10.38	10.07	9.68	10.46	(9.8%)
8th/[330,341)	9.45	10.19	9.60	10.34	10.27	10.49	9.45	9.67	9.45	11.09	(10.1%)
9th/[341,356)	10.44	10.97	11.04	8.85	9.53	9.08	10.36	9.76	9.76	10.21	(10%)
10th/[356,442]	8.95	9.32	9.76	10.28	9.99	10.28	10.13	10.58	10.43	10.28	(10.2%)

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

QQ–Plot: Student Growth Percentiles

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

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