Student Growth Percentile Goodness–of–Fit Descriptives
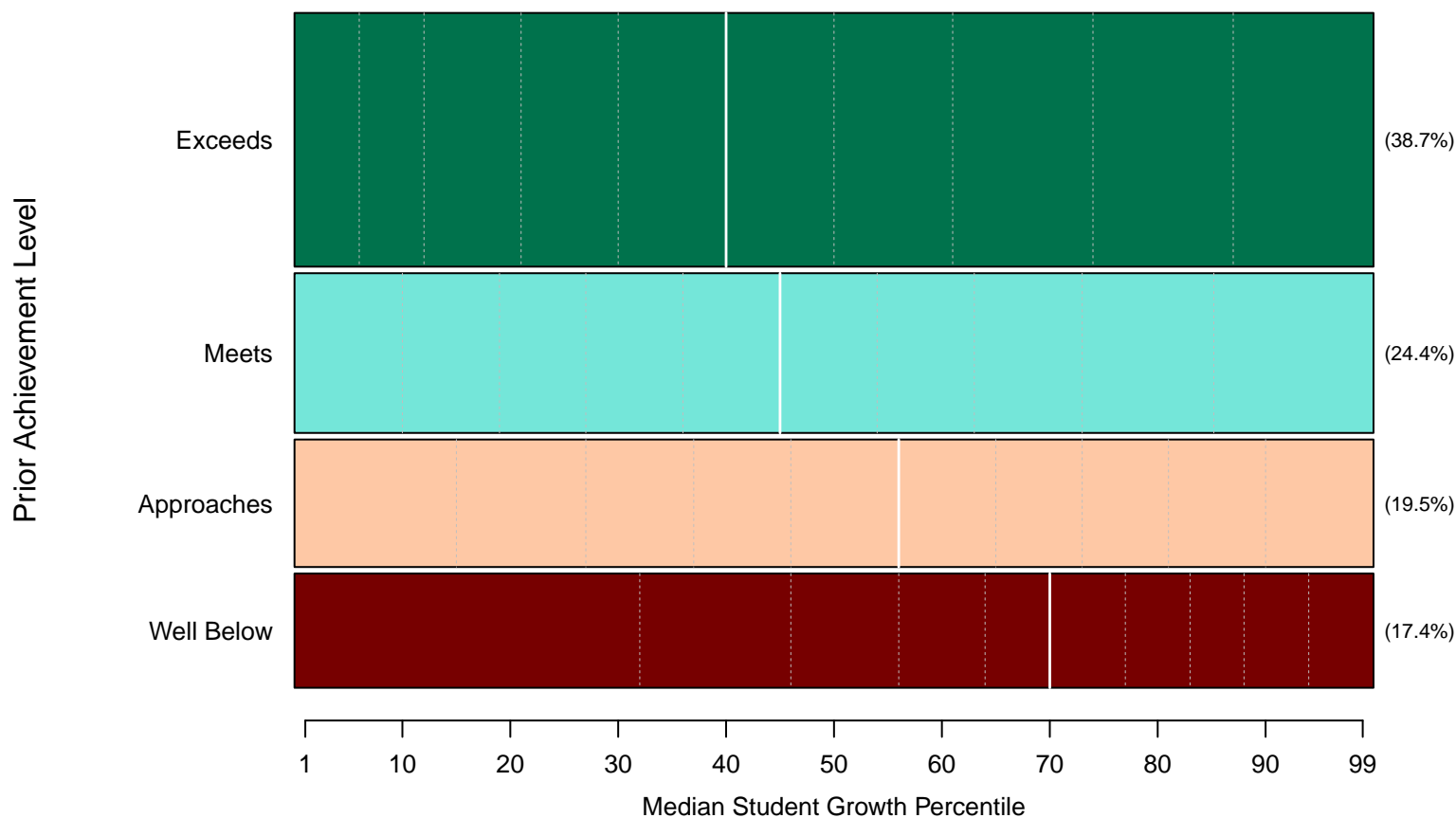## 2011 Reading SGP, Grade 5 (N = 13,080)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (y-axis):
- Exceeds (38.7%)
- Meets (24.4%)
- Approaches (19.5%)
- Well Below (17.4%)

x-axis: 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/[106,249)	0.51	1.53	2.03	4.58	6.44	11.19	15.42	17.54	21.61	19.15	(9%)
2nd/[249,274)	2.06	3.66	7.24	9.53	10.06	11.89	13.49	11.36	15.32	15.40	(10%)
3rd/[274,291)	3.52	9.32	9.61	10.64	9.61	9.83	11.67	11.59	13.57	10.64	(10.4%)
4th/[291,305)	6.41	9.77	10.13	10.42	11.59	11.73	11.22	10.28	9.91	8.53	(10.5%)
5th/[305,312)	8.82	10.35	12.00	11.18	11.41	9.65	12.35	10.00	7.29	6.94	(6.5%)
6th/[312,324)	10.16	11.52	12.03	11.88	10.74	11.24	9.95	8.09	7.52	6.87	(10.7%)
7th/[324,336)	13.24	12.50	11.46	11.15	12.13	9.25	9.07	7.48	6.86	6.86	(12.5%)
8th/[336,346)	15.87	13.60	12.15	9.70	11.42	9.52	6.26	7.25	8.07	6.17	(8.4%)
9th/[346,363)	18.02	13.68	11.68	9.08	8.74	8.14	7.68	6.88	7.41	8.68	(11.5%)
10th/[363,456]	13.69	12.02	10.27	9.98	9.10	8.45	7.87	8.30	10.05	10.27	(10.5%)

*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