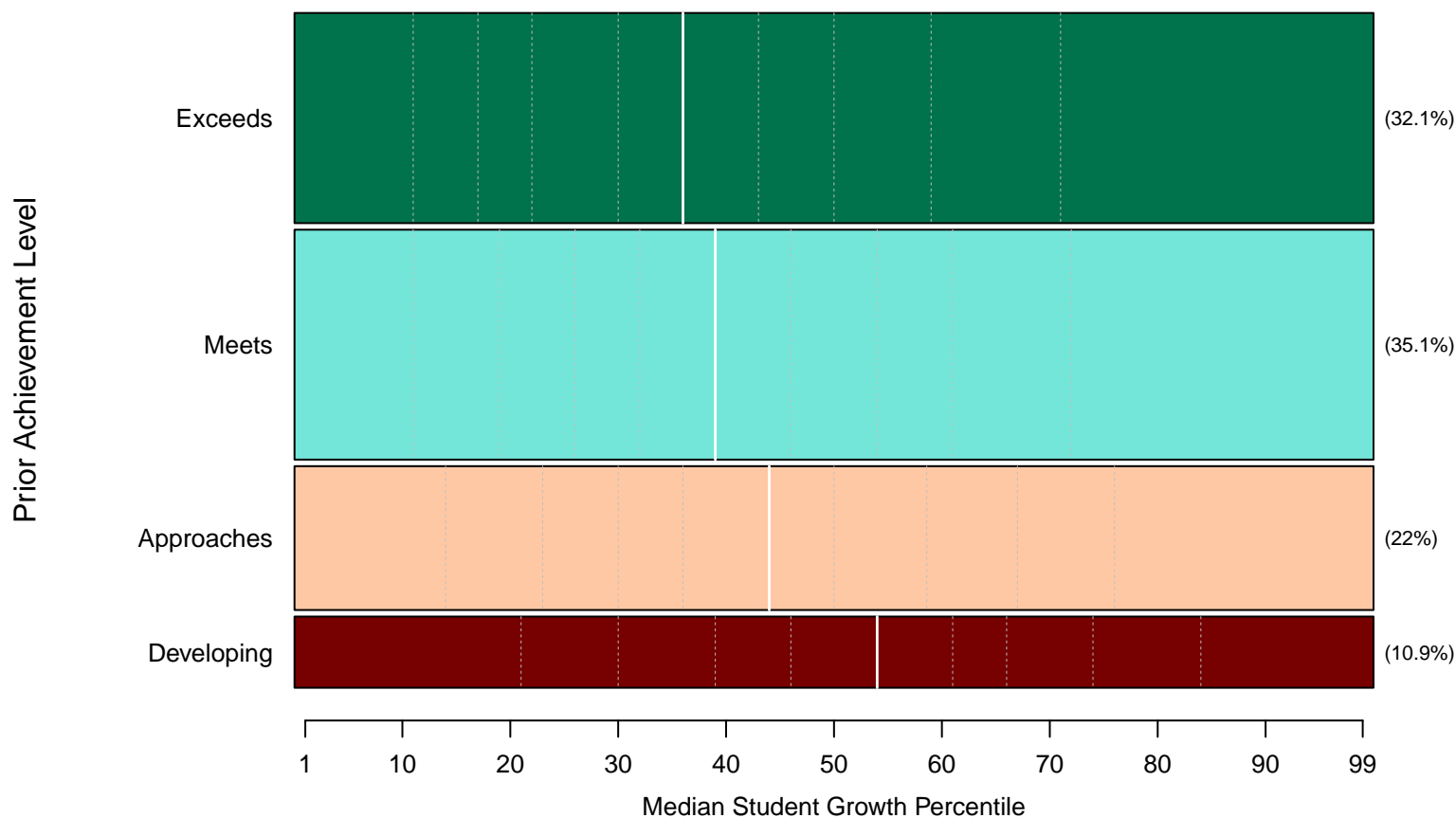# Student Growth Percentile Goodness–of–Fit Descriptives

2010–2011 Mathematics SGP, Grade 4 (N = 30,782)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Exceeds (32.1%)
- Meets (35.1%)
- Approaches (22%)
- Developing (10.9%)

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/[100,249)	2.48	5.58	10.29	11.37	14.05	13.21	14.89	11.82	11.47	4.85	(9.3%)
2nd/[249,276)	4.24	11.00	11.45	13.94	16.99	12.99	9.91	9.95	7.22	2.31	(9.3%)
3rd/[276,297)	5.74	10.97	13.85	12.39	16.77	13.70	11.06	9.08	4.65	1.79	(10.7%)
4th/[297,309)	5.40	12.61	15.98	11.92	13.56	15.94	10.11	7.56	5.44	1.47	(7.5%)
5th/[309,321)	8.47	10.97	15.26	13.95	13.39	11.15	15.14	5.89	4.51	1.27	(8.7%)
6th/[321,336)	8.54	14.68	12.08	16.45	10.62	13.29	12.64	8.32	2.30	1.09	(10.5%)
7th/[336,354)	9.14	12.22	17.20	13.93	15.43	13.36	7.95	5.41	4.08	1.28	(11.9%)
8th/[354,366)	9.04	15.48	11.88	15.28	14.52	14.37	6.40	7.87	3.91	1.27	(6.4%)
9th/[366,400)	9.75	15.05	16.35	15.51	9.01	15.69	6.73	6.68	3.76	1.50	(12.8%)
10th/[400,500]	10.52	12.21	15.44	14.55	13.27	17.68	5.85	6.18	3.13	1.19	(12.9%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution