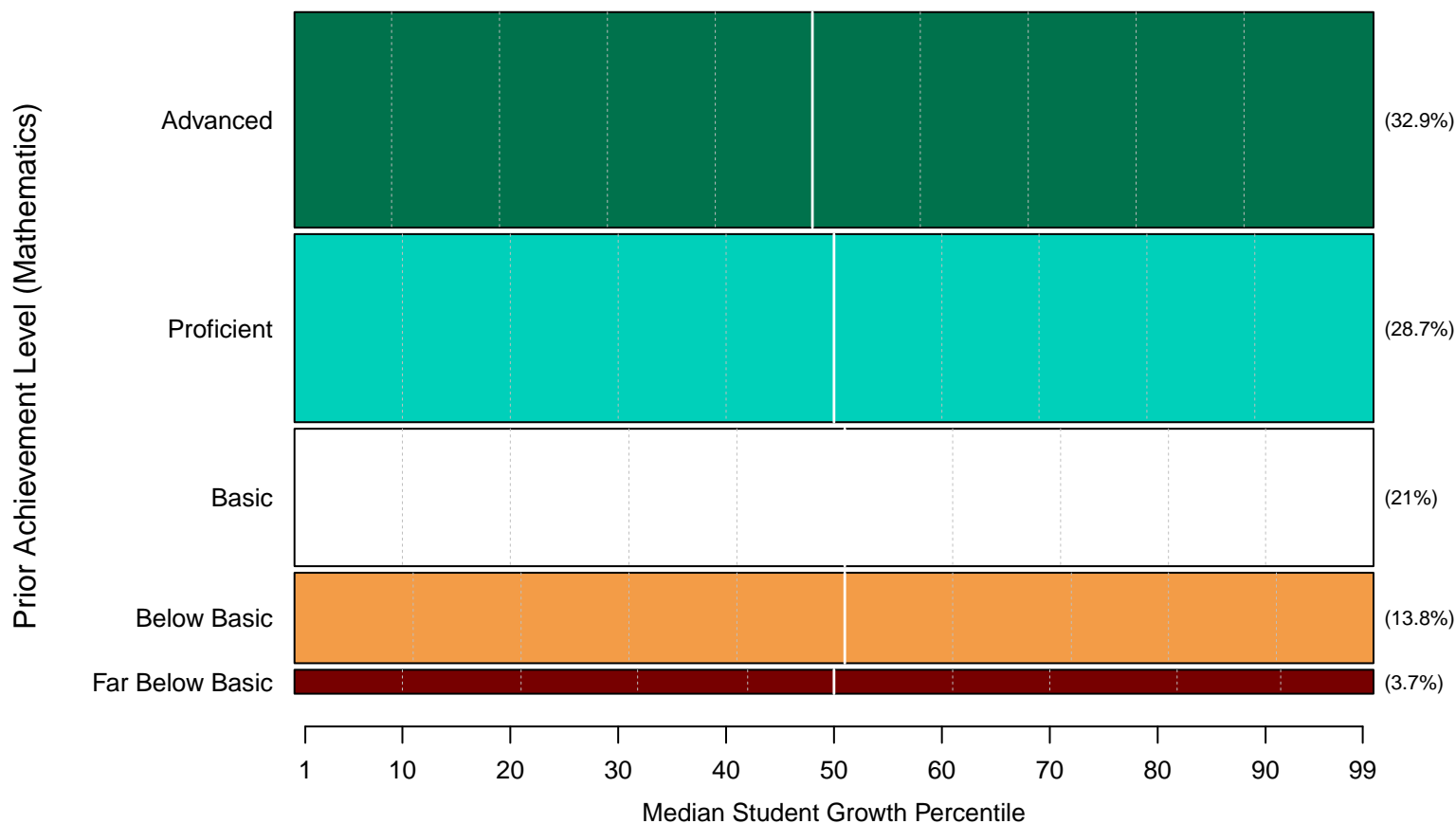# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Mathematics SGP, Grade 6 (N = 38,772)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (32.9%)
- Proficient (28.7%)
- Basic (21%)
- Below Basic (13.8%)
- Far Below Basic (3.7%)

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/[155,275)	9.46	10.04	9.72	9.98	10.40	9.27	9.22	9.59	10.25	12.06	(9.8%)
2nd/[275,305)	8.60	9.46	9.88	9.77	9.85	10.41	9.77	11.21	10.29	10.77	(9.3%)
3rd/[305,329)	9.22	9.55	8.92	9.99	9.91	9.27	10.21	10.65	10.84	11.45	(9.4%)
4th/[329,354)	9.68	10.14	9.44	10.32	10.66	9.42	10.53	9.86	10.04	9.91	(10%)
5th/[354,382)	9.35	9.87	10.13	9.30	10.15	10.40	10.08	9.56	10.86	10.31	(11.3%)
6th/[382,407)	9.88	10.01	9.98	9.82	10.81	9.72	10.29	9.77	10.06	9.67	(9.9%)
7th/[407,438)	10.28	9.64	10.02	10.02	10.25	10.54	10.82	10.43	9.28	8.72	(10.1%)
8th/[438,468)	9.96	10.70	10.28	10.61	10.13	10.16	10.37	10.07	8.49	9.21	(8.6%)
9th/[468,512)	9.81	9.90	11.17	10.01	10.97	9.29	9.73	10.22	9.29	9.61	(8.9%)
10th/[512,600]	10.35	10.14	9.60	10.43	10.18	10.35	10.65	9.09	10.31	8.91	(12.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution