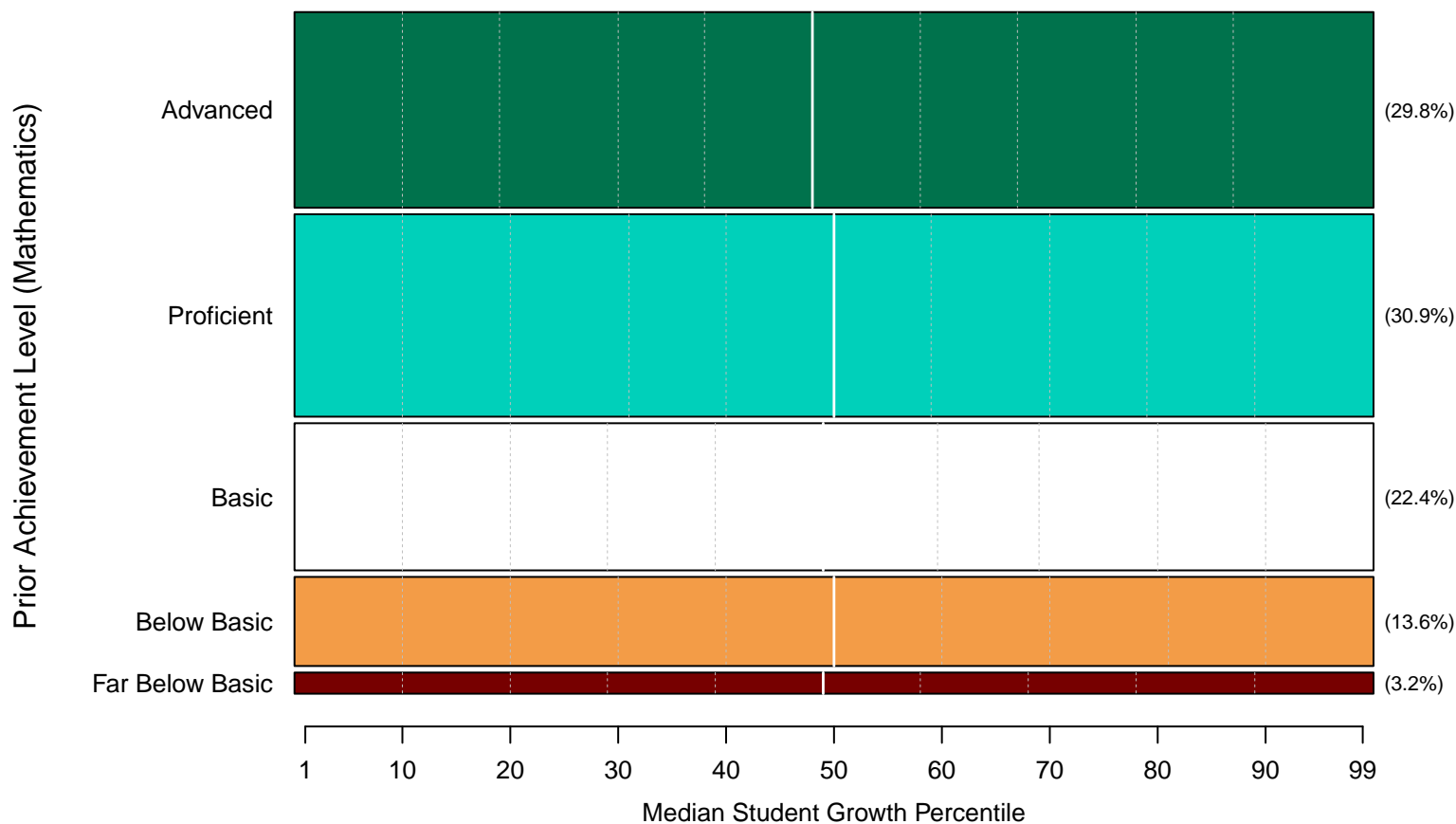# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Mathematics SGP, Grade 3 (N = 42,170)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics):
- Advanced (29.8%)
- Proficient (30.9%)
- Basic (22.4%)
- Below Basic (13.6%)
- Far Below Basic (3.2%)

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/[150,277)	9.60	9.70	10.29	9.50	10.70	9.86	9.72	10.22	9.93	10.48	(10%)
2nd/[277,304)	9.22	10.52	10.25	9.69	8.89	10.61	10.63	9.00	11.13	10.05	(8.6%)
3rd/[304,330)	10.01	9.72	10.82	9.76	11.86	8.17	10.46	10.24	8.93	10.03	(10.5%)
4th/[330,352)	9.71	10.22	10.15	10.50	9.85	9.76	10.29	8.43	10.52	10.57	(10.2%)
5th/[352,370)	9.46	9.56	10.69	8.83	8.96	9.80	10.43	11.53	10.40	10.33	(9%)
6th/[370,392)	9.66	9.78	8.99	11.97	9.06	11.95	7.81	11.56	10.15	9.06	(10.3%)
7th/[392,408)	9.79	9.85	10.97	9.19	11.67	9.28	10.13	8.13	10.31	10.67	(7.8%)
8th/[408,440)	9.90	10.65	10.02	9.55	9.01	9.86	12.50	8.60	8.56	11.34	(11.7%)
9th/[440,470)	9.89	10.98	6.85	13.82	8.14	12.03	12.27	5.62	12.44	7.96	(8.1%)
10th/[470,600]	9.41	11.75	9.03	12.37	12.22	7.83	11.63	13.02	8.91	3.82	(13.8%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution