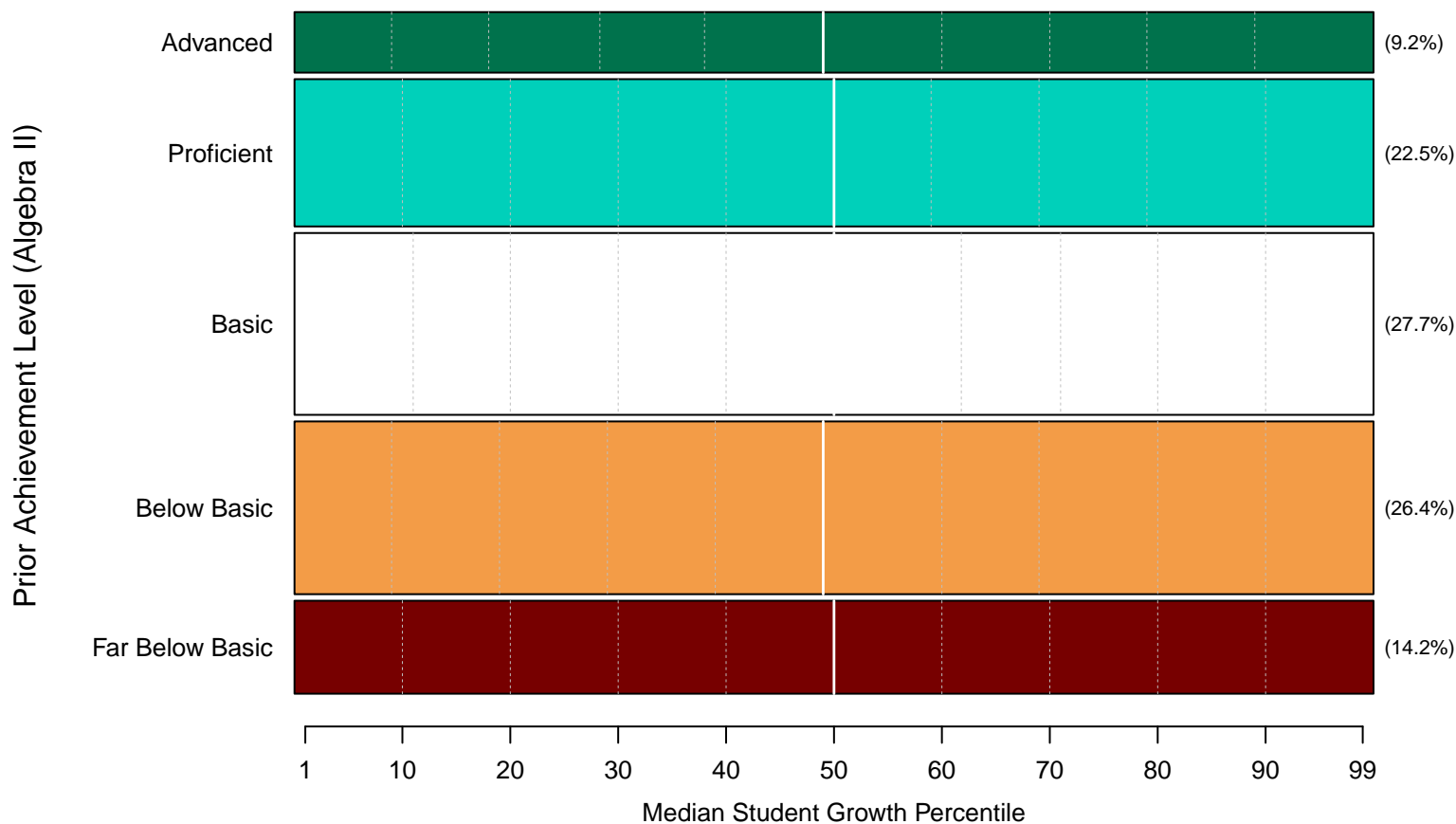# Student Growth Percentile Goodness–of–Fit Descriptives

2010 Summative HS Mathematics SGP, Grade EOCT (N = 7,169)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

- Advanced (9.2%)
- Proficient (22.5%)
- Basic (27.7%)
- Below Basic (26.4%)
- Far Below Basic (14.2%)

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/[164,249)	9.97	10.42	9.67	10.88	9.97	10.57	9.67	8.16	11.03	9.67	(9.2%)
2nd/[249,269)	9.75	10.71	10.71	8.52	9.89	9.75	9.34	11.95	7.83	11.54	(10.2%)
3rd/[269,284)	9.46	9.31	8.99	9.94	9.78	10.41	8.83	10.57	11.99	10.73	(8.8%)
4th/[284,298)	9.19	10.96	8.89	12.15	11.70	7.41	12.30	9.04	9.04	9.33	(9.4%)
5th/[298,316)	9.94	9.71	10.41	11.58	7.72	11.81	9.24	10.53	9.94	9.12	(11.9%)
6th/[316,331)	9.65	9.65	9.65	8.04	7.88	11.90	9.00	12.86	7.88	13.50	(8.7%)
7th/[331,350)	8.61	11.53	10.00	10.14	12.78	7.08	10.42	7.64	12.36	9.44	(10%)
8th/[350,375)	10.49	10.23	11.14	8.42	9.97	10.75	9.07	8.81	9.72	11.40	(10.8%)
9th/[375,411)	8.98	8.85	8.31	13.94	9.65	11.13	10.46	10.46	8.45	9.79	(10.4%)
10th/[411,600)	10.07	10.86	10.07	8.21	10.33	8.48	11.39	10.20	10.73	9.67	(10.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution