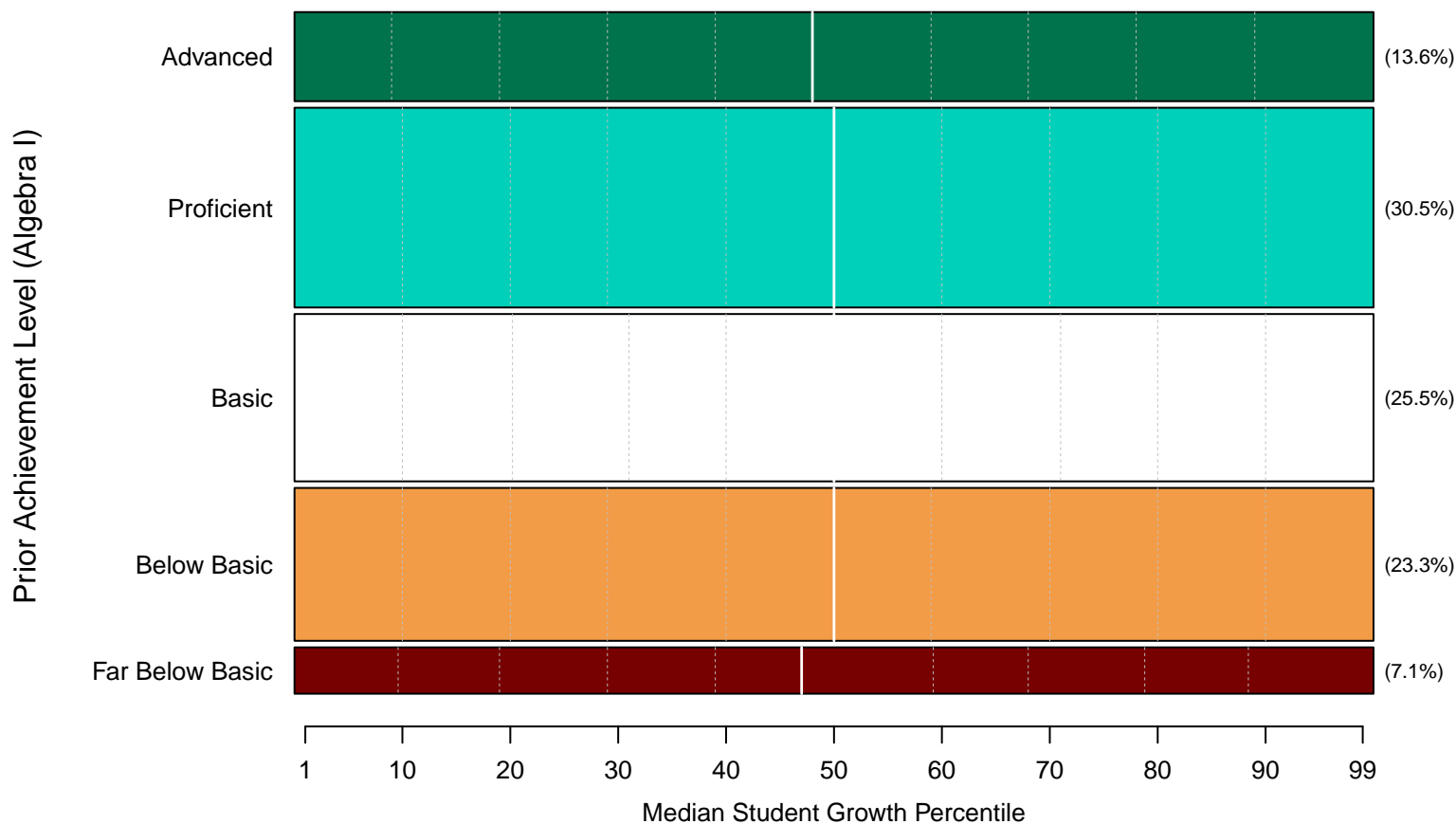# Student Growth Percentile Goodness–of–Fit Descriptives
2012 Algebra II SGP, Grade EOCT (N = 8,017)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I):
- Advanced (13.6%)
- Proficient (30.5%)
- Basic (25.5%)
- Below Basic (23.3%)
- Far Below Basic (7.1%)

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/[152,263)	9.93	10.46	10.07	9.54	8.87	11.13	9.93	10.73	9.01	10.33	(9.4%)
2nd/[263,284)	10.31	8.55	11.95	9.56	12.58	8.18	8.55	9.69	9.81	10.82	(9.9%)
3rd/[284,299)	9.72	10.60	8.98	10.90	8.39	11.49	8.98	10.16	10.60	10.16	(8.5%)
4th/[299,318)	9.07	10.64	9.31	9.55	10.52	8.34	12.70	8.34	10.52	11.00	(10.3%)
5th/[318,337)	9.84	9.22	9.96	10.83	10.21	9.09	9.22	11.08	10.09	10.46	(10%)
6th/[337,356)	10.21	11.18	8.51	11.91	8.38	11.30	10.21	8.99	10.57	8.75	(10.3%)
7th/[356,376)	10.04	10.17	11.71	9.01	10.94	10.68	8.62	10.30	8.37	10.17	(9.7%)
8th/[376,404)	8.81	9.27	10.53	9.04	10.18	10.18	10.76	9.27	10.64	11.33	(10.9%)
9th/[404,445)	10.27	9.92	8.74	11.69	9.45	8.03	9.80	11.10	10.15	10.86	(10.6%)
10th/[445,600]	9.56	10.39	10.63	8.84	10.87	10.75	10.51	8.96	9.68	9.80	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0 to 100)
Empirical SGP Distribution (0 to 100)