Student Growth Percentile Goodness–of–Fit Descriptives
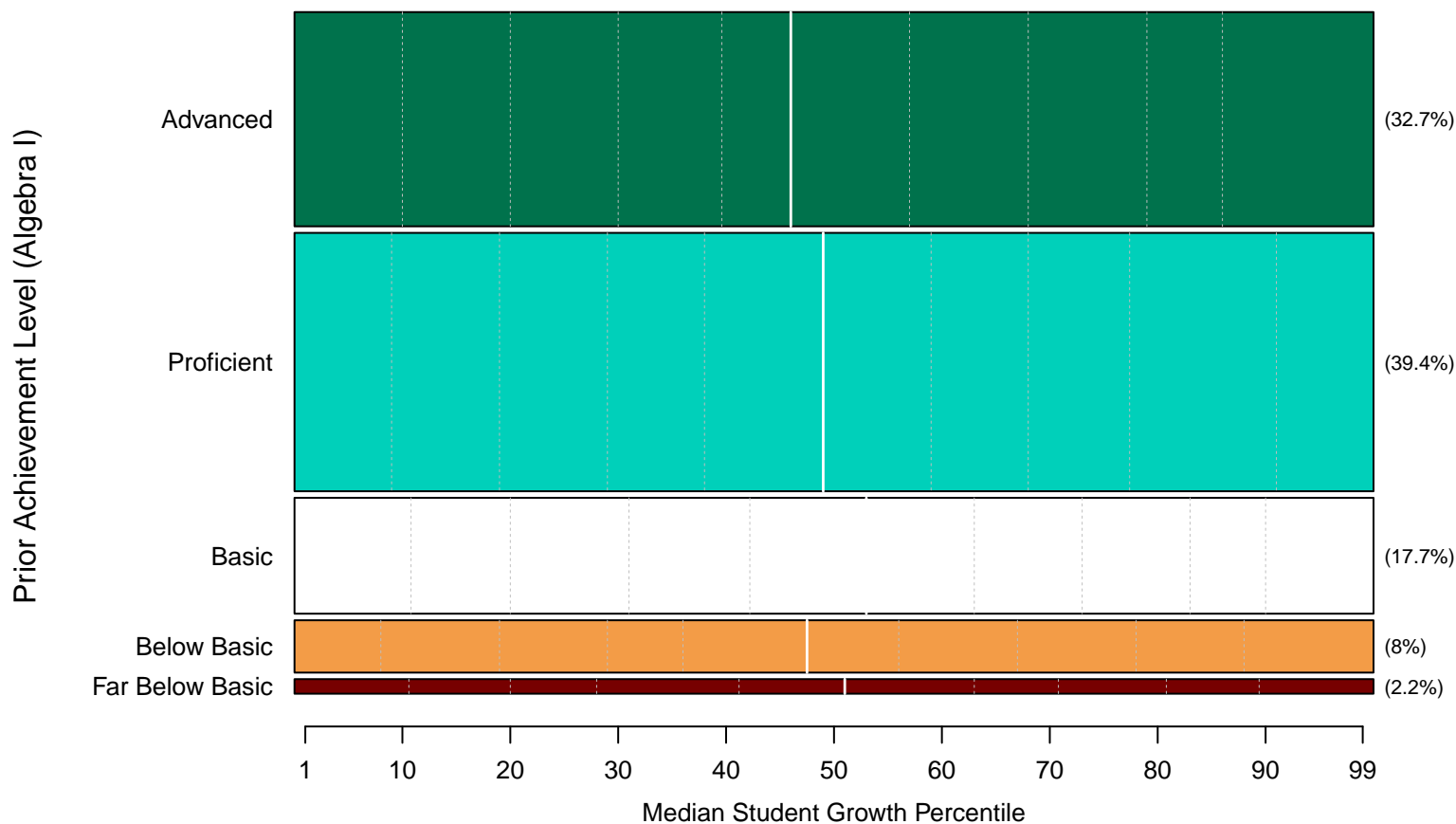## 2010 Science SGP, Grade 8 (N = 3,105)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)

- Advanced (32.7%)
- Proficient (39.4%)
- Basic (17.7%)
- Below Basic (8%)
- Far Below Basic (2.2%)

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/[187,299)	10.87	9.06	11.96	7.97	10.87	10.14	9.06	9.78	10.87	9.42	(8.9%)
2nd/[299,332)	10.20	11.08	8.16	9.33	10.79	9.33	11.37	9.04	8.45	12.24	(11%)
3rd/[332,351)	8.50	8.91	10.93	6.48	8.91	12.15	7.69	12.15	16.60	7.69	(8%)
4th/[351,371)	9.88	9.88	12.35	13.89	10.80	9.57	9.57	9.26	6.79	8.02	(10.4%)
5th/[371,393)	9.90	11.60	9.90	8.87	10.24	10.24	11.26	11.60	7.85	8.53	(9.4%)
6th/[393,410)	7.82	11.73	7.49	11.40	8.47	6.19	14.33	7.82	8.79	15.96	(9.9%)
7th/[410,430)	14.00	7.67	9.00	9.33	10.00	12.00	9.33	14.33	2.00	12.33	(9.7%)
8th/[430,463)	9.56	7.65	10.66	10.93	11.75	10.11	9.56	5.19	10.66	13.93	(11.8%)
9th/[463,496)	8.86	12.55	9.96	9.96	7.75	12.18	6.27	11.81	20.66	0.00	(8.7%)
10th/[496,600]	11.11	8.73	11.11	9.26	18.52	3.70	13.23	9.52	14.81	0.00	(12.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100