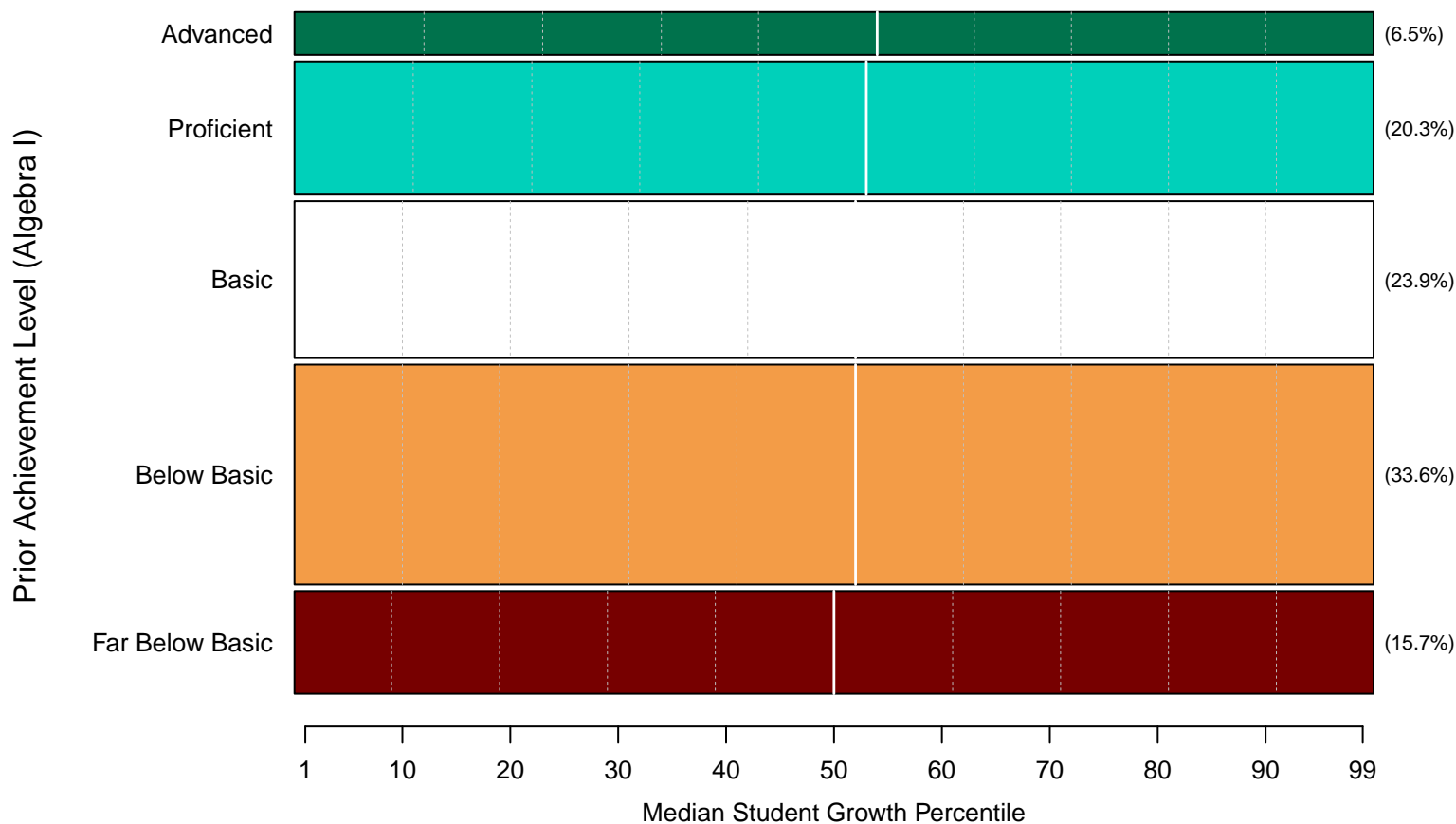# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Biology SGP, Grade EOCT (N = 29,763)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)

Level	Percent
Advanced	(6.5%)
Proficient	(20.3%)
Basic	(23.9%)
Below Basic	(33.6%)
Far Below Basic	(15.7%)

Median Student Growth Percentile — axis: 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/[152,246)	9.69	10.06	9.66	10.14	8.58	9.84	9.91	10.95	9.84	11.32	(9.1%)
2nd/[246,263)	11.34	10.15	9.19	9.29	10.51	10.06	9.74	8.55	9.42	11.76	(10.5%)
3rd/[263,274)	9.39	10.33	11.19	8.24	11.19	9.63	8.16	9.96	11.02	10.90	(8.2%)
4th/[274,289)	10.43	9.53	8.01	9.79	9.91	10.17	10.90	8.86	10.90	11.51	(11.5%)
5th/[289,304)	9.48	10.87	8.43	9.68	9.85	10.87	7.85	10.39	10.39	12.19	(9.9%)
6th/[304,318)	10.04	9.88	8.43	8.43	9.32	11.54	10.45	10.17	11.09	10.65	(8.3%)
7th/[318,342)	9.42	9.86	9.14	9.63	9.60	9.14	10.95	10.78	10.46	11.04	(11.7%)
8th/[342,366)	10.46	8.90	10.35	9.52	9.66	10.06	9.12	9.91	11.29	10.75	(9.3%)
9th/[366,404)	8.42	9.14	9.30	8.88	10.05	10.22	11.55	10.31	10.84	11.29	(10.3%)
10th/[404,600]	7.89	9.00	9.27	10.19	9.57	10.10	10.46	11.90	10.34	11.27	(11.2%)

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

QQ–Plot: Student Growth Percentiles

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

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