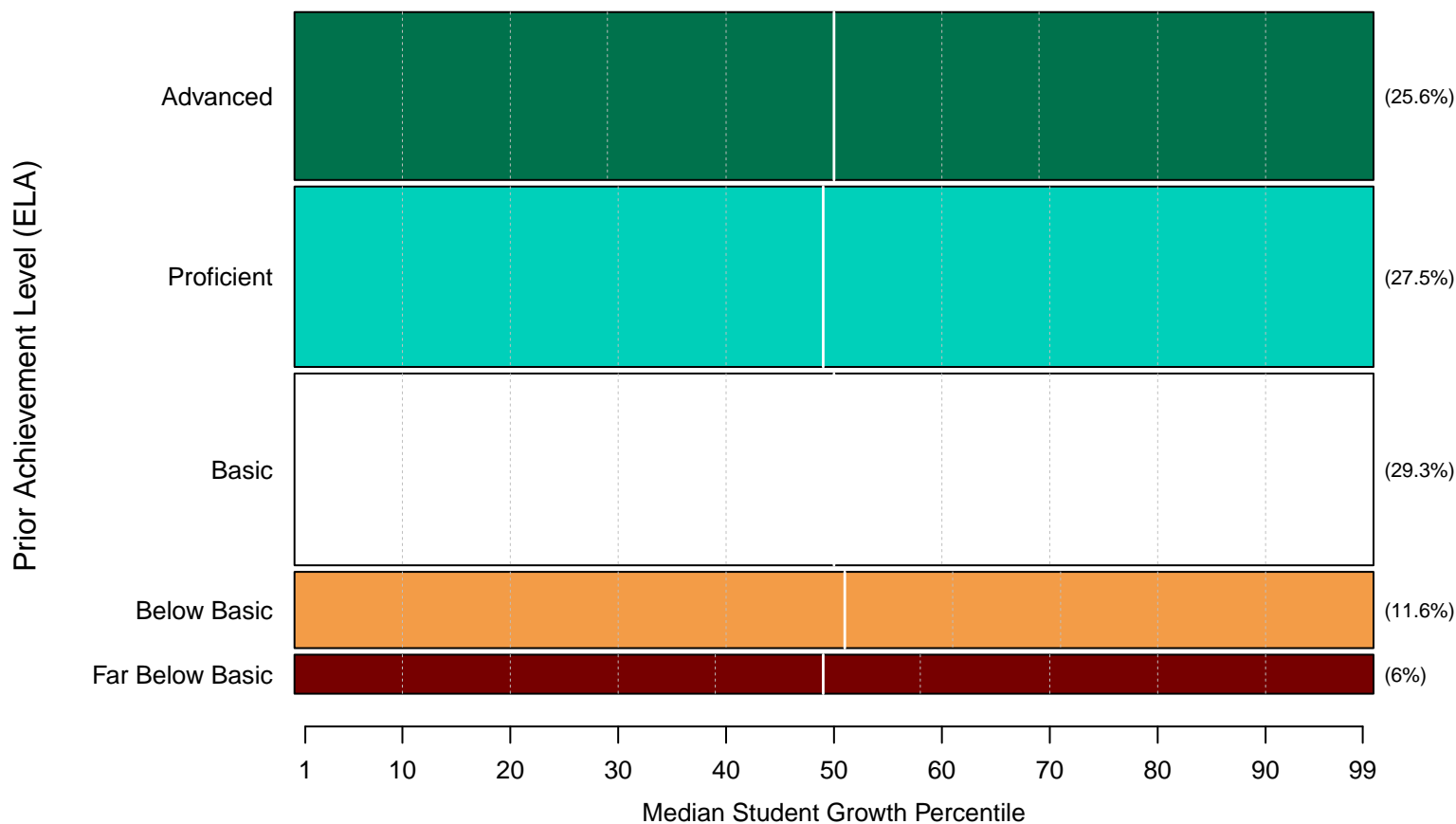# Student Growth Percentile Goodness–of–Fit Descriptives
2010 ELA SGP, Grade 5 (N = 44,964)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (ELA):

Level	Percentage
Advanced	(25.6%)
Proficient	(27.5%)
Basic	(29.3%)
Below Basic	(11.6%)
Far Below Basic	(6%)

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/[150,279]	10.09	10.74	10.36	9.47	9.93	9.54	10.00	9.52	9.66	10.69	(9.3%)
2nd/[279,304]	8.49	9.57	9.98	9.71	10.26	10.72	10.08	10.08	10.58	10.53	(9.7%)
3rd/[304,324]	9.84	10.26	9.46	10.55	9.96	9.52	10.55	10.03	9.56	10.26	(10.6%)
4th/[324,339]	9.69	9.40	10.66	9.98	10.18	10.73	9.40	10.32	10.06	9.57	(9.2%)
5th/[339,355]	9.55	10.46	10.59	9.90	9.23	9.19	10.72	9.53	10.29	10.53	(10.3%)
6th/[355,369]	9.48	10.51	8.91	8.76	11.96	9.60	10.78	9.18	9.72	11.08	(9%)
7th/[369,387]	9.17	9.13	10.08	12.08	9.17	10.58	9.09	10.56	9.51	10.62	(11.7%)
8th/[387,405]	10.25	10.06	11.75	7.28	11.68	8.83	9.66	9.91	11.36	9.22	(9%)
9th/[405,432]	10.04	11.31	9.24	10.71	8.06	10.39	10.89	9.27	10.33	9.77	(10.7%)
10th/[432,600]	9.58	8.99	11.77	8.80	10.57	10.76	10.00	9.54	9.41	10.57	(10.5%)

*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