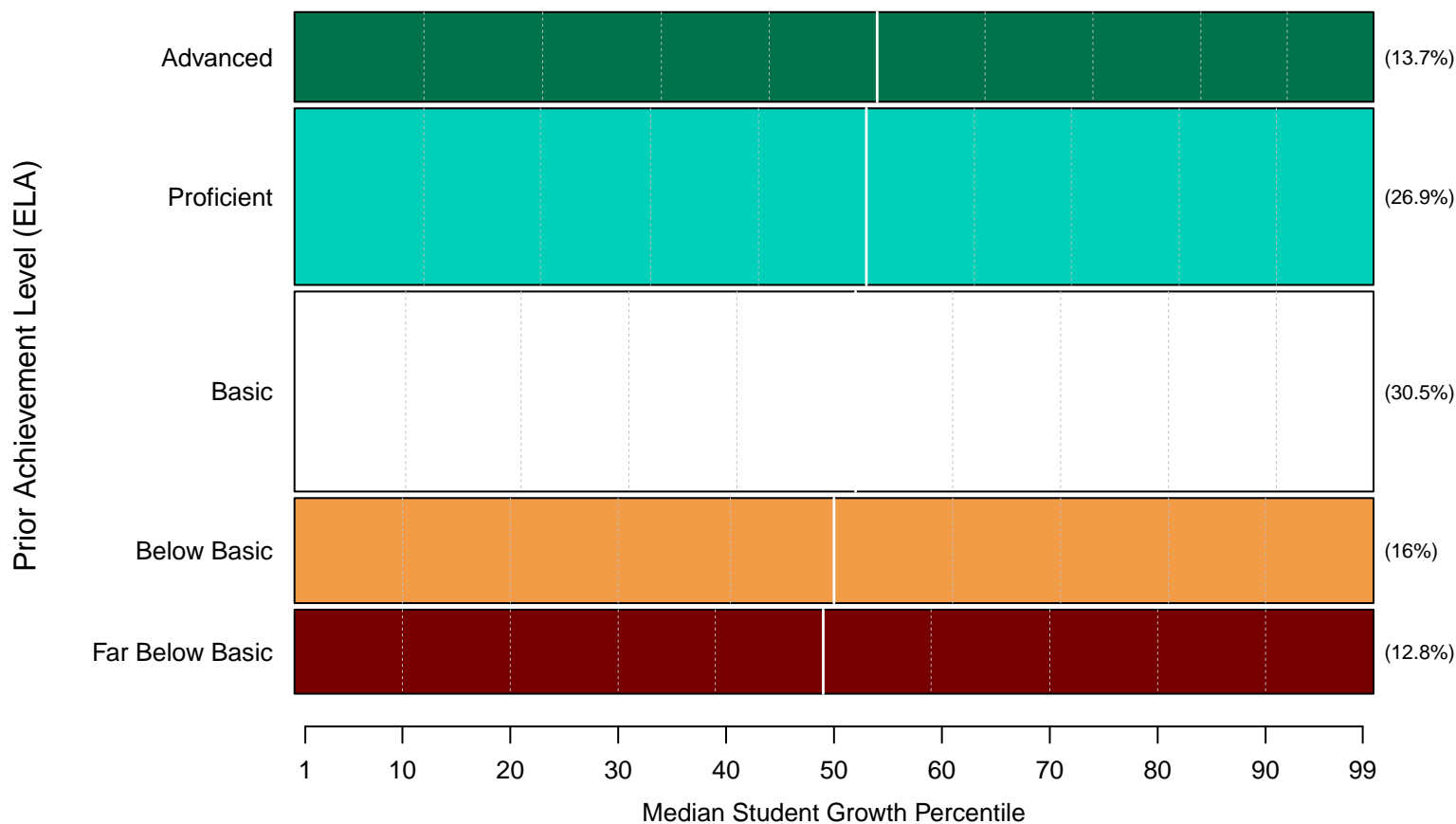# Student Growth Percentile Goodness−of−Fit Descriptives

2011 History SGP, Grade 8 (N = 39,788)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (ELA)

Level	Percent
Advanced	(13.7%)
Proficient	(26.9%)
Basic	(30.5%)
Below Basic	(16%)
Far Below Basic	(12.8%)

Median Student Growth Percentile: 1 10 20 30 40 50 60 70 80 90 99

Student Growth Percentile Range

Prior Scale Score Decile/Range *

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/[151,255)	9.63	10.24	9.95	10.09	10.32	9.98	9.45	9.89	10.06	10.38	(8.7%)
2nd/[255,280)	10.57	9.54	9.31	9.81	10.42	10.18	9.09	10.60	9.76	10.72	(10.2%)
3rd/[280,300)	9.29	9.49	10.12	10.34	9.92	8.51	9.87	10.42	10.95	11.10	(10%)
4th/[300,317)	9.29	10.28	9.64	10.12	9.29	10.71	10.55	9.35	10.55	10.20	(9.4%)
5th/[317,333)	9.33	9.60	9.40	10.40	9.01	9.96	9.67	11.04	10.06	11.53	(10.3%)
6th/[333,351)	8.94	8.92	9.45	10.27	9.66	10.41	9.85	10.52	10.43	11.54	(10.8%)
7th/[351,366)	8.03	9.19	9.69	9.44	9.30	10.31	10.20	11.30	11.07	11.47	(8.9%)
8th/[366,386)	8.30	9.64	9.86	10.72	9.40	9.59	10.48	10.53	10.22	11.25	(10.5%)
9th/[386,414)	8.13	8.20	8.78	10.17	9.75	10.47	10.61	10.21	11.34	12.34	(10.9%)
10th/[414,600]	7.65	9.42	9.27	9.18	9.78	9.40	10.46	10.15	10.54	14.15	(10.4%)

*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