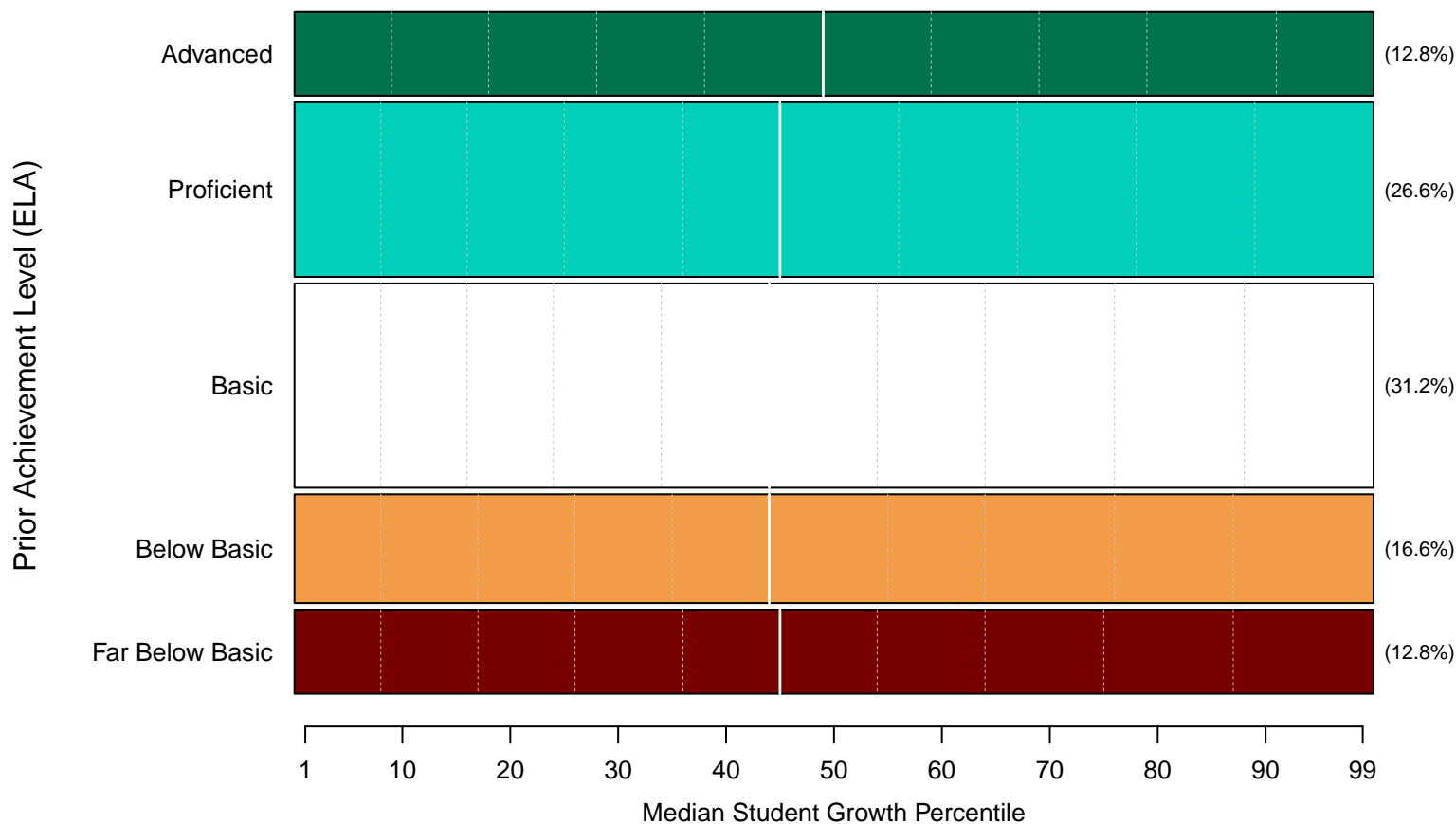# Student Growth Percentile Goodness–of–Fit Descriptives
2010 History SGP, Grade 8 (N = 44,680)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (ELA)

Level	Percent
Advanced	(12.8%)
Proficient	(26.6%)
Basic	(31.2%)
Below Basic	(16.6%)
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 *	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/[150,258)	11.70	11.25	11.39	10.60	10.48	9.85	10.01	9.02	8.60	7.10	(9.5%)
2nd/[258,280)	10.80	12.78	10.28	10.51	12.05	10.16	8.79	8.42	8.20	8.02	(9.5%)
3rd/[280,300)	11.45	10.95	11.62	12.09	9.70	8.69	10.09	8.45	8.60	8.36	(10.4%)
4th/[300,317)	12.54	13.07	11.17	10.05	9.47	9.84	9.14	7.98	8.70	8.05	(9.6%)
5th/[317,334)	11.40	11.98	10.88	10.79	10.54	10.16	7.98	9.04	8.17	9.08	(10.6%)
6th/[334,348)	12.37	12.17	11.61	10.46	9.33	10.05	9.10	7.52	8.84	8.56	(8.8%)
7th/[348,366)	12.16	11.44	12.10	8.54	9.31	10.15	9.17	8.64	9.31	9.17	(11.2%)
8th/[366,385)	12.75	10.60	12.10	8.67	10.64	8.58	9.13	8.32	9.91	9.30	(10.3%)
9th/[385,407)	12.06	11.60	9.80	9.82	9.42	9.32	11.14	8.66	8.81	9.37	(8.8%)
10th/[407,600]	10.88	11.22	9.52	9.36	10.70	9.36	8.87	10.04	9.66	10.38	(11.2%)

*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