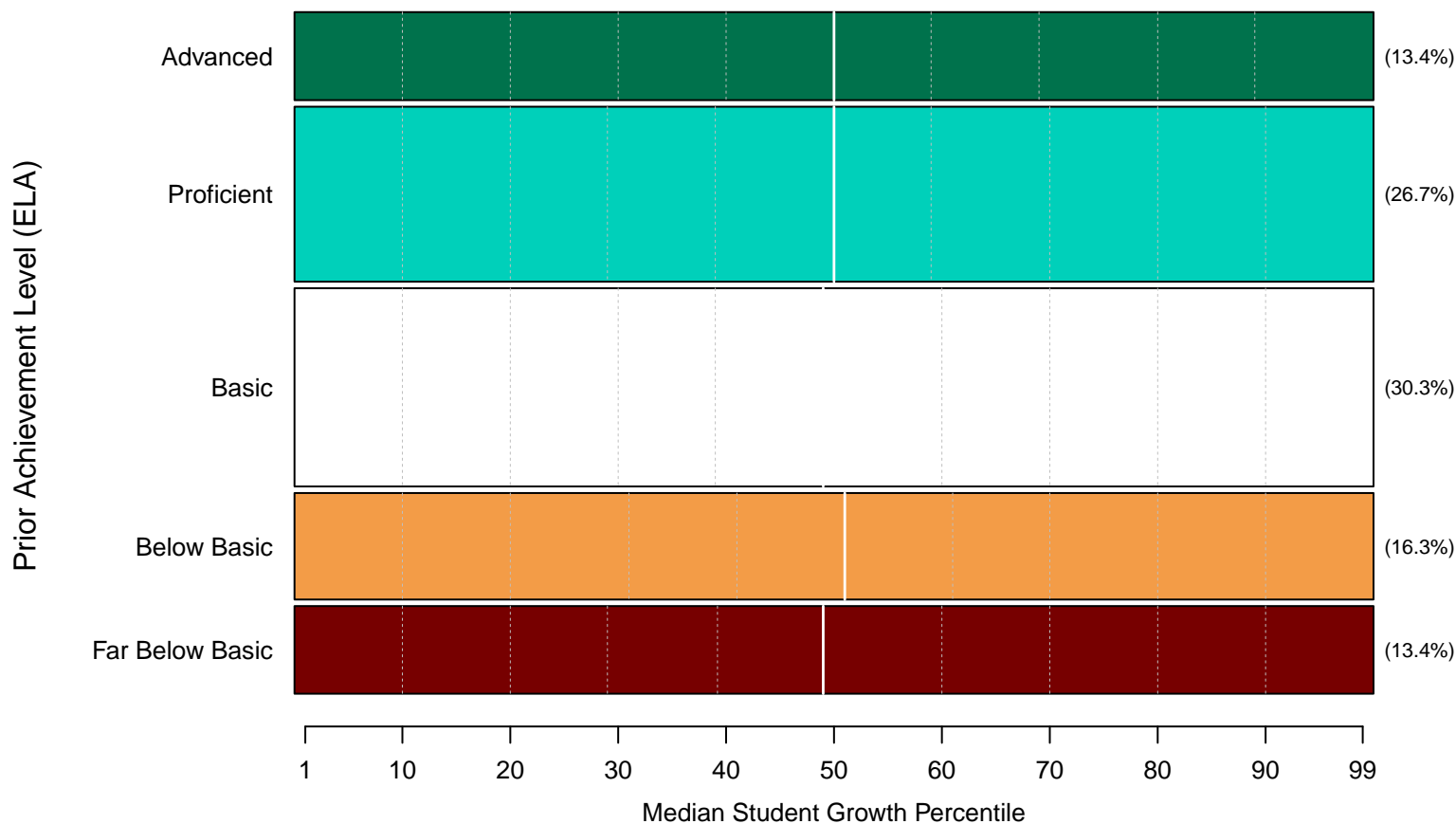# Student Growth Percentile Goodness–of–Fit Descriptives
2011 History SGP, Grade 8 (N = 42,397)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (ELA)

Level	Percent
Advanced	(13.4%)
Proficient	(26.7%)
Basic	(30.3%)
Below Basic	(16.3%)
Far Below Basic	(13.4%)

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/[151,255)	9.09	10.80	10.26	10.26	9.79	10.21	10.05	9.48	9.95	10.13	(9.1%)
2nd/[255,280)	10.43	9.44	9.75	9.73	10.14	9.69	9.96	10.95	9.19	10.72	(10.4%)
3rd/[280,300)	9.00	9.46	10.42	9.75	10.19	9.89	10.26	9.91	10.59	10.54	(10.1%)
4th/[300,317)	9.94	10.70	10.10	10.37	8.99	11.13	9.87	9.19	9.67	10.05	(9.4%)
5th/[317,333)	9.84	10.56	9.26	10.32	9.70	9.44	9.31	11.50	9.58	10.49	(10.2%)
6th/[333,351)	9.31	9.44	10.56	10.08	11.38	8.62	10.41	9.13	10.34	10.72	(10.7%)
7th/[351,366)	9.03	10.13	9.70	9.81	9.49	11.71	8.41	11.84	9.51	10.37	(8.8%)
8th/[366,386)	9.90	11.06	10.81	9.38	8.65	10.53	11.33	8.13	10.31	9.92	(10.4%)
9th/[386,414)	10.11	9.52	9.32	10.68	9.54	11.34	8.97	9.98	10.00	10.57	(10.8%)
10th/[414,600]	9.43	9.55	10.59	10.18	10.36	10.01	9.48	9.99	10.13	10.27	(10.2%)

*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