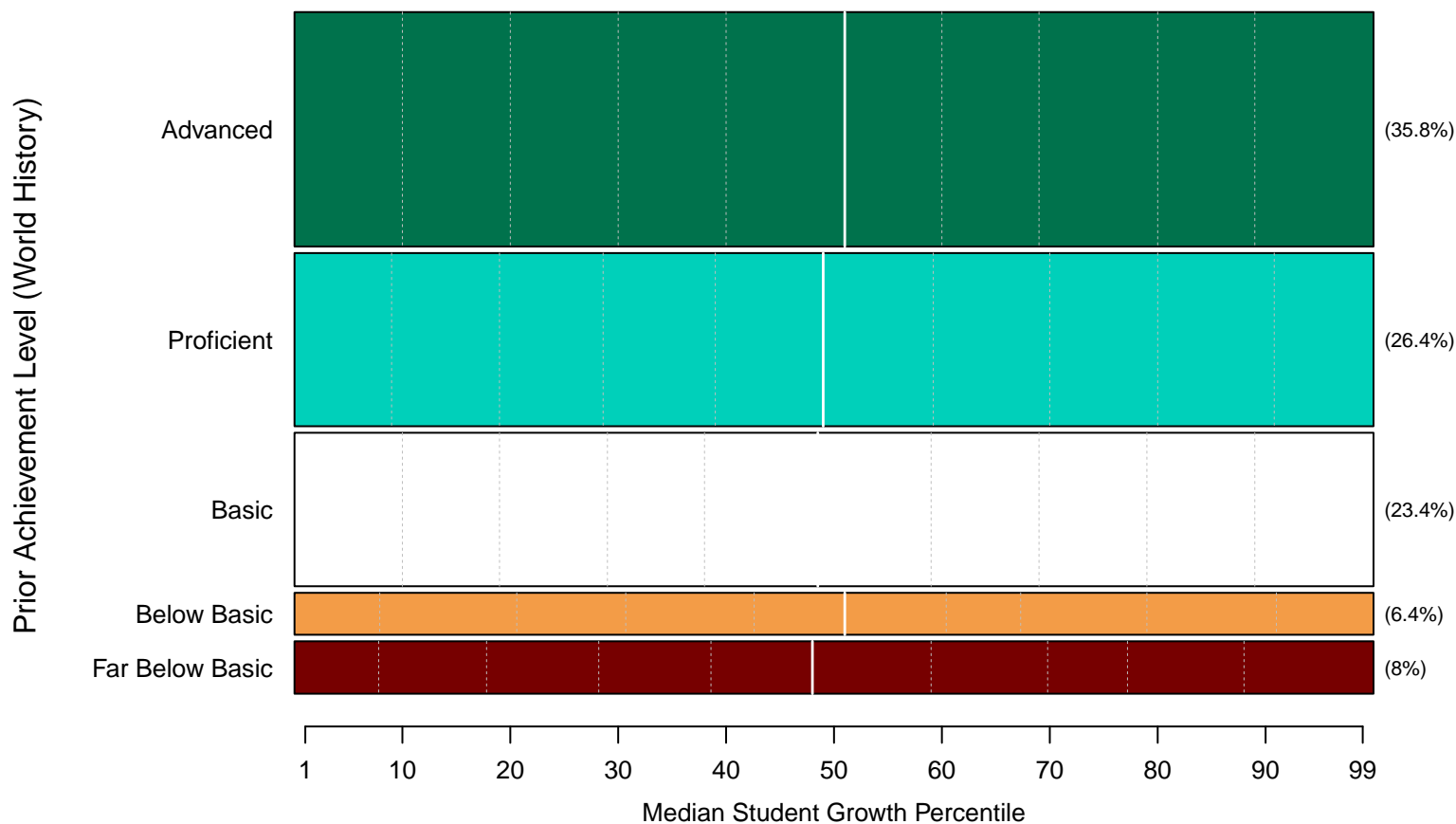# Student Growth Percentile Goodness–of–Fit Descriptives

2013 US History SGP, Grade EOCT (N = 1,563)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (World History)

Advanced	(35.8%)
Proficient	(26.4%)
Basic	(23.4%)
Below Basic	(6.4%)
Far Below Basic	(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 *

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/[150,281]	11.46	10.83	8.92	8.28	9.55	10.19	10.19	11.46	10.19	8.92	(10%)
2nd/[281,313]	9.92	14.05	11.57	10.74	10.74	9.92	9.92	6.61	8.26	8.26	(7.7%)
3rd/[313,337]	8.95	6.84	10.53	11.05	7.37	9.47	11.05	12.11	11.58	11.05	(12.2%)
4th/[337,351]	10.57	12.20	8.13	8.94	14.63	9.76	9.76	8.94	8.13	8.94	(7.9%)
5th/[351,374]	8.02	10.16	10.70	11.76	7.49	11.23	9.09	11.23	10.16	10.16	(12%)
6th/[374,386]	16.94	9.68	5.65	4.84	14.52	9.68	9.68	9.68	8.87	10.48	(7.9%)
7th/[386,408]	9.64	8.43	11.45	11.45	10.24	5.42	10.24	9.64	11.45	12.05	(10.6%)
8th/[408,426]	4.76	10.88	12.24	9.52	8.84	11.56	11.56	11.56	8.84	10.20	(9.4%)
9th/[426,461]	8.57	12.00	10.29	10.29	10.29	13.14	9.71	8.00	10.29	7.43	(11.2%)
10th/[461,600]	12.14	9.25	8.09	9.83	10.98	8.09	9.83	9.25	11.56	10.98	(11.1%)

*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