Student Growth Percentile Goodness–of–Fit Descriptives
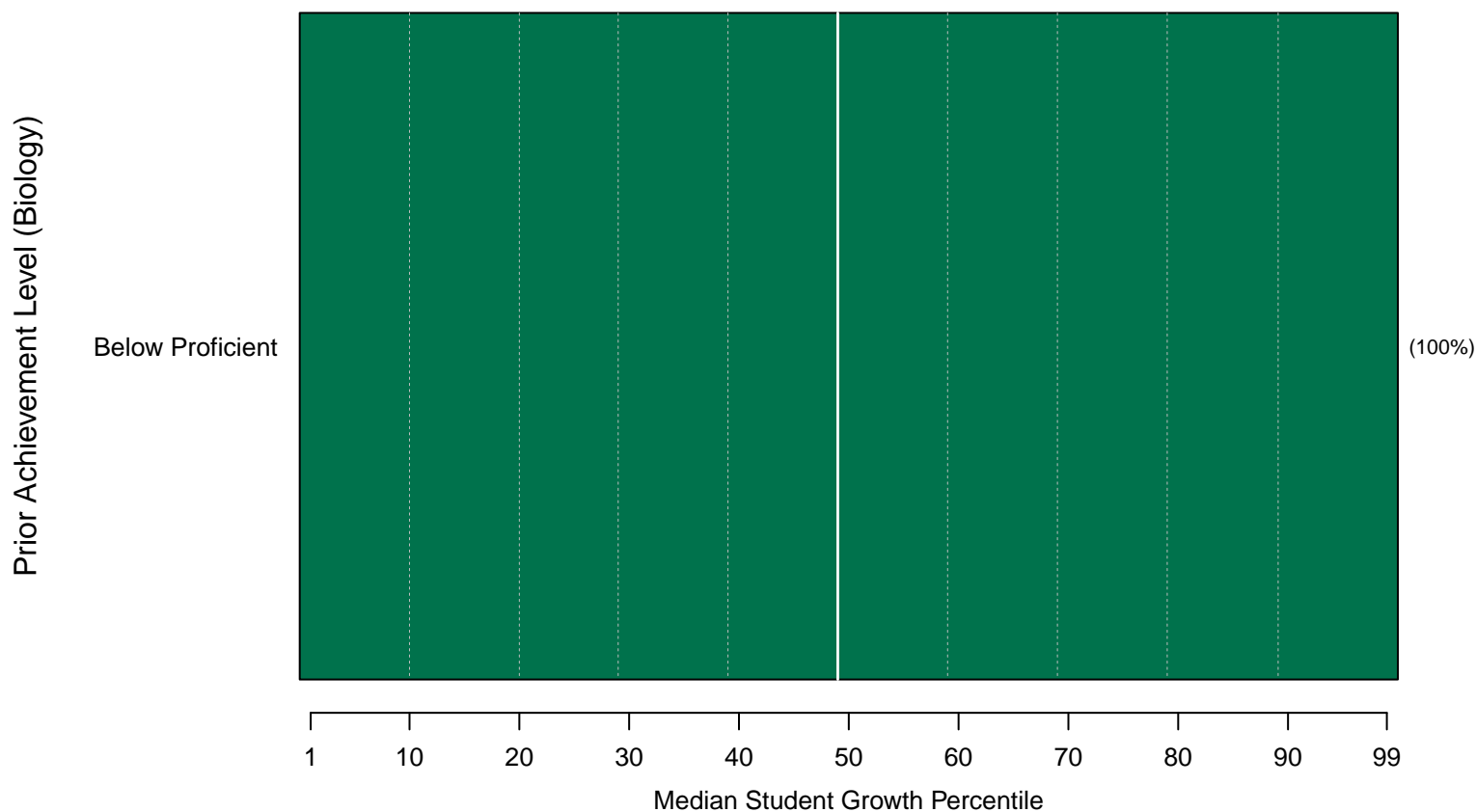
2013 Chemistry SGP, Grade EOCT (N = 14,780)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Biology)

Below Proficient (100%)

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/[130,157)	10.95	10.04	9.81	9.73	10.72	9.05	10.04	10.49	8.97	10.19	(8.9%)
2nd/[157,161)	8.44	8.69	9.93	11.09	9.27	9.35	11.26	9.19	13.00	9.77	(8.2%)
3rd/[161,164)	10.67	10.67	10.30	8.09	12.21	12.73	5.96	9.42	10.01	9.93	(9.2%)
4th/[164,167)	9.77	10.39	8.89	11.58	8.48	9.26	13.13	9.15	8.43	10.91	(13.1%)
5th/[167,169)	8.10	9.40	11.26	7.78	10.70	15.96	8.10	7.29	10.86	10.53	(8.3%)
6th/[169,171)	8.96	9.40	10.75	8.73	10.52	11.79	10.00	9.85	11.12	8.88	(9.1%)
7th/[171,173)	10.98	11.57	9.13	13.76	8.07	8.66	12.43	7.08	10.78	7.54	(10.2%)
8th/[173,176)	10.41	9.47	12.73	7.84	9.22	11.47	6.46	12.29	9.34	10.78	(10.8%)
9th/[176,179)	8.90	10.96	8.31	8.37	13.16	6.91	10.37	11.50	10.50	11.03	(10.2%)
10th/[179,199]	10.24	9.90	11.64	11.25	8.21	10.07	12.60	8.66	7.37	10.07	(12%)

*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