Student Growth Percentile Goodness–of–Fit Descriptives
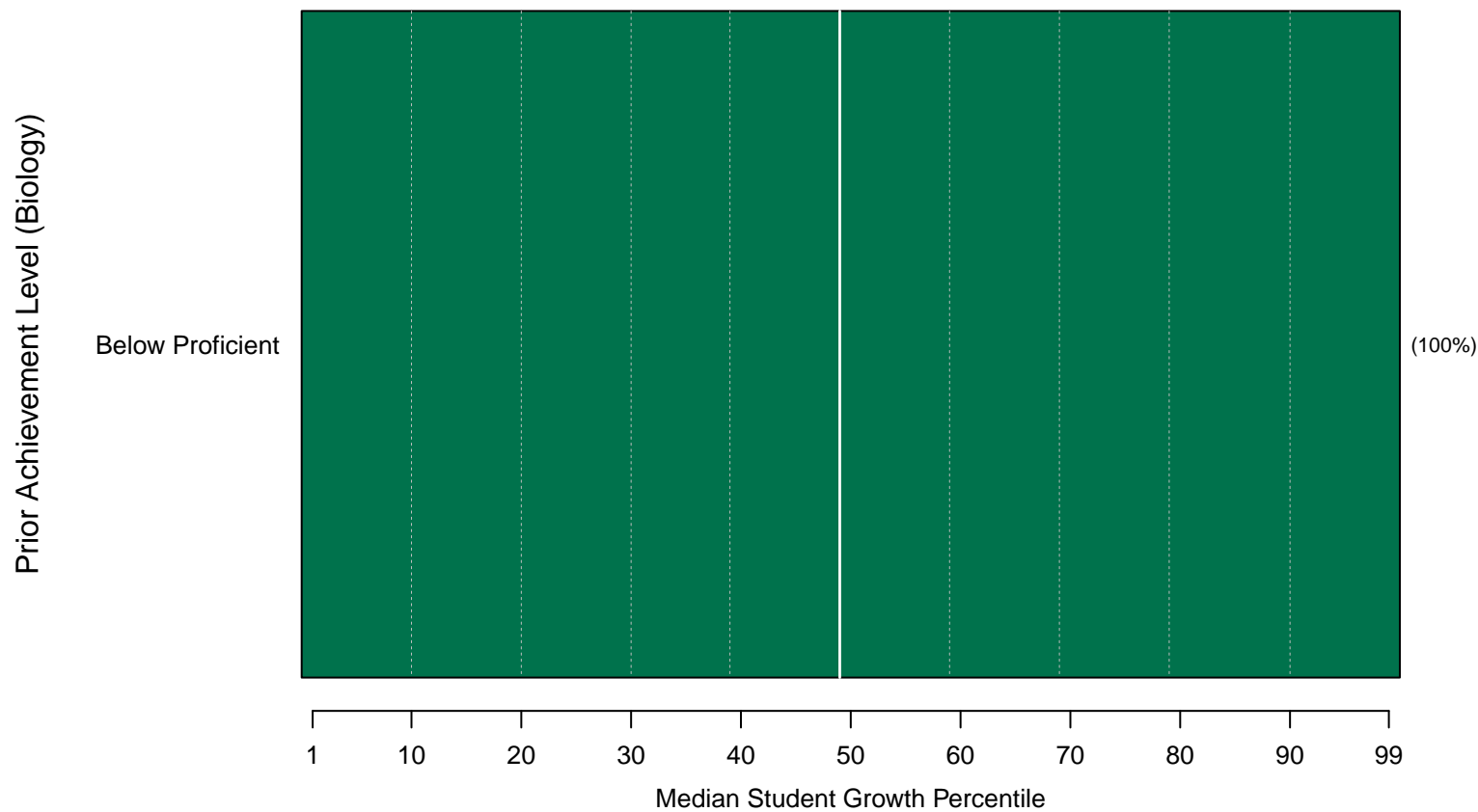
2013 Physics SGP, Grade EOCT (N = 5,415)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Biology)

Below Proficient — (100%)

Median Student Growth Percentile

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/[130,156)	10.96	9.40	10.07	10.29	10.51	10.07	9.62	10.96	9.17	8.95	(8.3%)
2nd/[156,161)	10.40	7.18	10.96	8.88	12.85	9.07	7.37	10.59	11.34	11.34	(9.8%)
3rd/[161,164)	9.40	10.47	12.61	8.12	11.32	12.61	11.75	5.77	7.48	10.47	(8.6%)
4th/[164,167)	9.94	11.65	6.82	13.21	7.53	7.53	7.53	14.49	11.79	9.52	(13%)
5th/[167,169)	7.71	10.75	14.25	5.84	14.25	10.75	9.58	13.55	5.84	7.48	(7.9%)
6th/[169,171)	11.26	12.55	2.60	7.79	22.73	5.63	6.93	7.58	11.47	11.47	(8.5%)
7th/[171,173)	10.18	7.86	11.61	13.57	7.50	6.96	15.89	3.39	8.57	14.46	(10.3%)
8th/[173,176)	11.11	7.89	13.44	8.42	9.50	10.57	8.06	12.54	10.39	8.06	(10.3%)
9th/[176,179)	8.55	12.18	6.91	14.55	7.64	8.18	9.09	13.45	9.09	10.36	(10.2%)
10th/[179,199]	9.59	10.44	11.00	9.59	10.30	12.27	9.31	8.60	9.31	9.59	(13.1%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution