Student Growth Percentile Goodness–of–Fit Descriptives
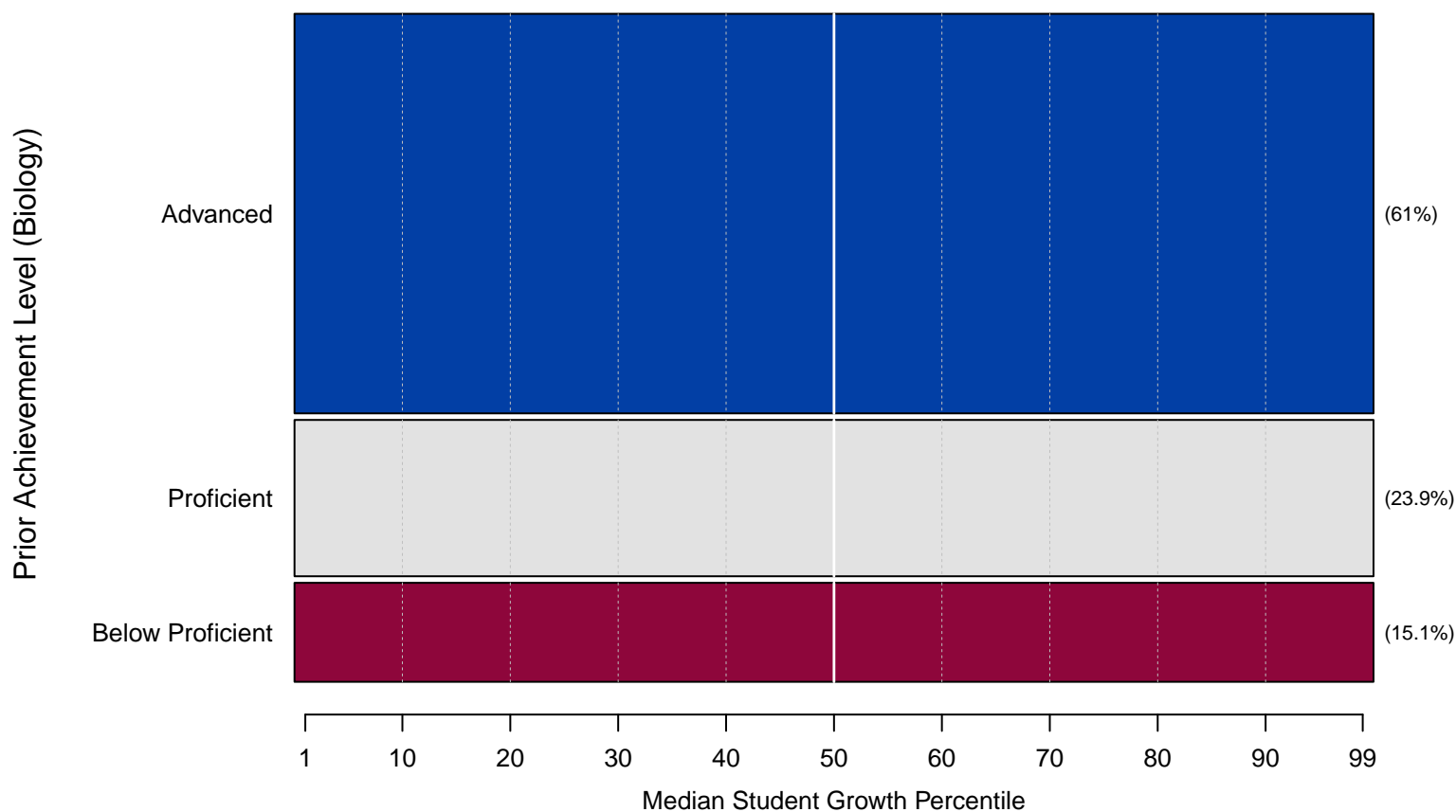
2014 Chemistry SGP, Grade EOCT (N = 15,599)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Biology)

- Advanced (61%)
- Proficient (23.9%)
- Below Proficient (15.1%)

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)	9.41	10.63	9.77	9.99	9.84	10.13	10.34	9.84	9.63	10.42	(8.9%)
2nd/[157,162)	9.34	9.82	10.42	10.36	10.54	8.80	9.70	10.96	9.82	10.24	(10.6%)
3rd/[162,164)	10.08	9.84	9.60	9.92	10.63	11.35	9.60	9.92	9.52	9.52	(8.1%)
4th/[164,167)	9.60	9.60	9.49	9.83	9.21	9.83	9.94	9.38	11.69	11.41	(11.3%)
5th/[167,169)	9.21	11.32	9.48	10.50	10.16	10.30	9.96	9.96	9.41	9.69	(9.4%)
6th/[169,171)	10.12	9.27	10.00	10.30	9.76	9.82	11.03	9.64	10.06	10.00	(10.6%)
7th/[171,172)	8.53	9.83	11.23	10.91	10.58	10.04	10.48	9.50	8.96	9.94	(5.9%)
8th/[172,175)	9.59	10.09	9.98	9.93	9.43	9.93	9.15	10.49	10.49	10.93	(11.5%)
9th/[175,178)	10.10	10.10	9.79	8.98	9.73	11.53	10.10	10.41	9.79	9.48	(10.3%)
10th/[178,199)	9.34	10.44	9.67	11.16	9.58	9.82	9.29	9.58	10.25	10.88	(13.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution