# Student Growth Percentile Goodness–of–Fit Descriptives
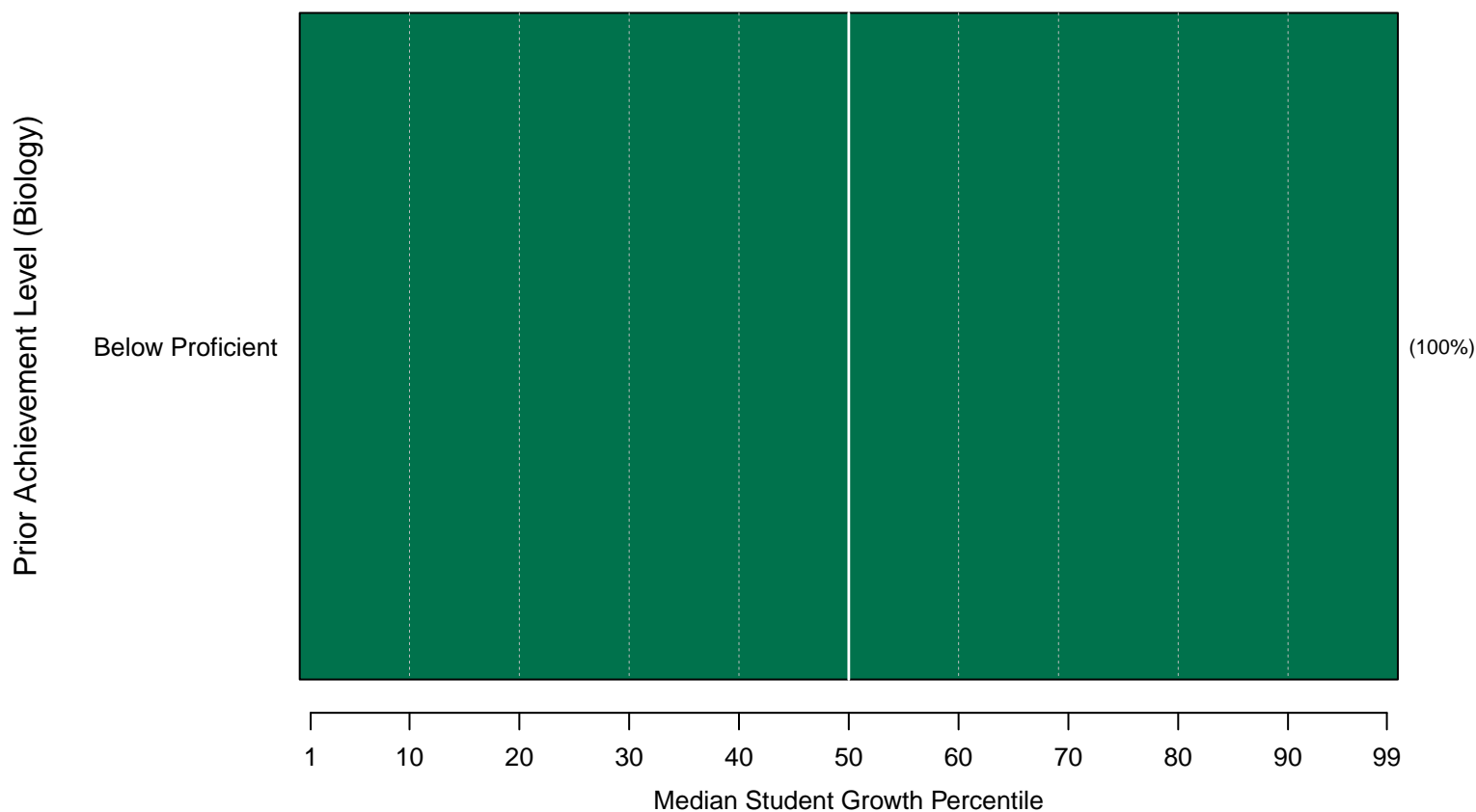
## 2011 Chemistry SGP, Grade EOCT (N = 4,504)

## 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/[140,161) | 10.12 | 10.60 | 10.60 | 9.40 | 11.33 | 8.43 | 10.84 | 9.64 | 9.16 | 9.88 | (9.2%) |
| 2nd/[161,164) | 12.19 | 7.81 | 8.12 | 12.19 | 10.62 | 10.62 | 10.94 | 7.81 | 9.38 | 10.31 | (7.1%) |
| 3rd/[164,166) | 7.74 | 10.42 | 11.31 | 8.33 | 8.93 | 10.42 | 8.33 | 12.80 | 12.20 | 9.52 | (7.5%) |
| 4th/[166,168) | 11.45 | 9.45 | 11.09 | 9.45 | 9.64 | 10.91 | 9.27 | 8.73 | 10.73 | 9.27 | (12.2%) |
| 5th/[168,170) | 7.84 | 10.54 | 8.82 | 11.27 | 9.80 | 9.31 | 11.76 | 11.03 | 8.09 | 11.52 | (9.1%) |
| 6th/[170,172) | 11.85 | 10.19 | 8.94 | 9.36 | 10.60 | 10.40 | 10.19 | 7.69 | 10.60 | 10.19 | (10.7%) |
| 7th/[172,174) | 8.93 | 10.24 | 11.33 | 10.68 | 9.15 | 8.28 | 8.71 | 13.07 | 9.80 | 9.80 | (10.2%) |
| 8th/[174,177) | 8.98 | 8.98 | 9.38 | 11.33 | 10.35 | 10.74 | 9.18 | 9.38 | 10.94 | 10.74 | (11.4%) |
| 9th/[177,181) | 10.02 | 10.91 | 10.91 | 6.90 | 9.58 | 10.47 | 11.58 | 9.35 | 9.80 | 10.47 | (10%) |
| 10th/[181,199] | 9.93 | 10.10 | 9.41 | 11.15 | 9.93 | 10.28 | 10.28 | 9.58 | 9.93 | 9.41 | (12.7%) |

*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