# Student Growth Percentile Goodness–of–Fit Descriptives
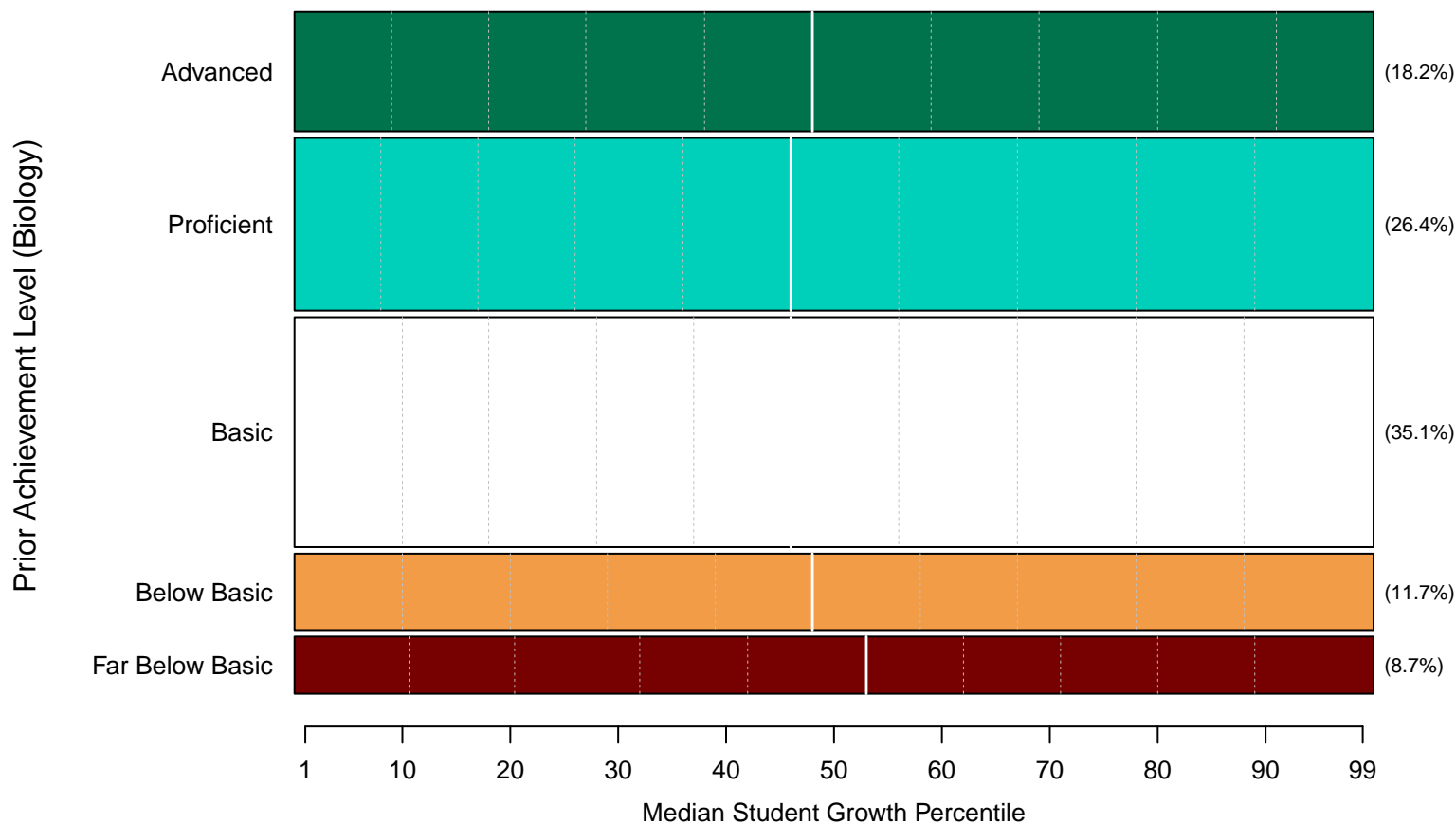## 2013 Chemistry SGP, Grade EOCT (N = 12,484)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Biology):
- Advanced (18.2%)
- Proficient (26.4%)
- Basic (35.1%)
- Below Basic (11.7%)
- Far Below Basic (8.7%)

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/[198,277) | 9.10 | 10.02 | 8.92 | 9.10 | 9.47 | 10.02 | 11.58 | 10.94 | 11.03 | 9.83 | (8.7%) |
| 2nd/[277,296) | 9.72 | 10.21 | 10.13 | 9.97 | 11.36 | 10.54 | 10.38 | 9.07 | 9.97 | 8.66 | (9.8%) |
| 3rd/[296,314) | 9.30 | 11.65 | 10.97 | 12.10 | 9.23 | 9.53 | 9.68 | 8.40 | 10.14 | 9.00 | (10.6%) |
| 4th/[314,329) | 9.49 | 10.23 | 10.31 | 11.22 | 10.64 | 10.40 | 9.98 | 8.99 | 10.15 | 8.58 | (9.7%) |
| 5th/[329,344) | 10.66 | 11.33 | 10.51 | 11.48 | 10.22 | 9.92 | 8.72 | 9.17 | 9.10 | 8.87 | (10.7%) |
| 6th/[344,356) | 11.27 | 10.09 | 11.00 | 9.73 | 12.55 | 9.64 | 8.73 | 8.55 | 9.36 | 9.09 | (8.8%) |
| 7th/[356,369) | 11.43 | 10.80 | 10.80 | 11.52 | 8.10 | 10.53 | 9.09 | 9.72 | 9.36 | 8.64 | (8.9%) |
| 8th/[369,389) | 12.42 | 10.81 | 10.13 | 9.13 | 10.34 | 9.46 | 9.73 | 8.99 | 8.46 | 10.54 | (11.9%) |
| 9th/[389,414) | 11.92 | 10.93 | 10.25 | 10.10 | 10.02 | 8.43 | 9.34 | 10.86 | 9.19 | 8.96 | (10.5%) |
| 10th/[414,600] | 10.79 | 9.70 | 10.09 | 9.85 | 9.30 | 9.70 | 9.46 | 8.52 | 10.40 | 12.20 | (10.2%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution