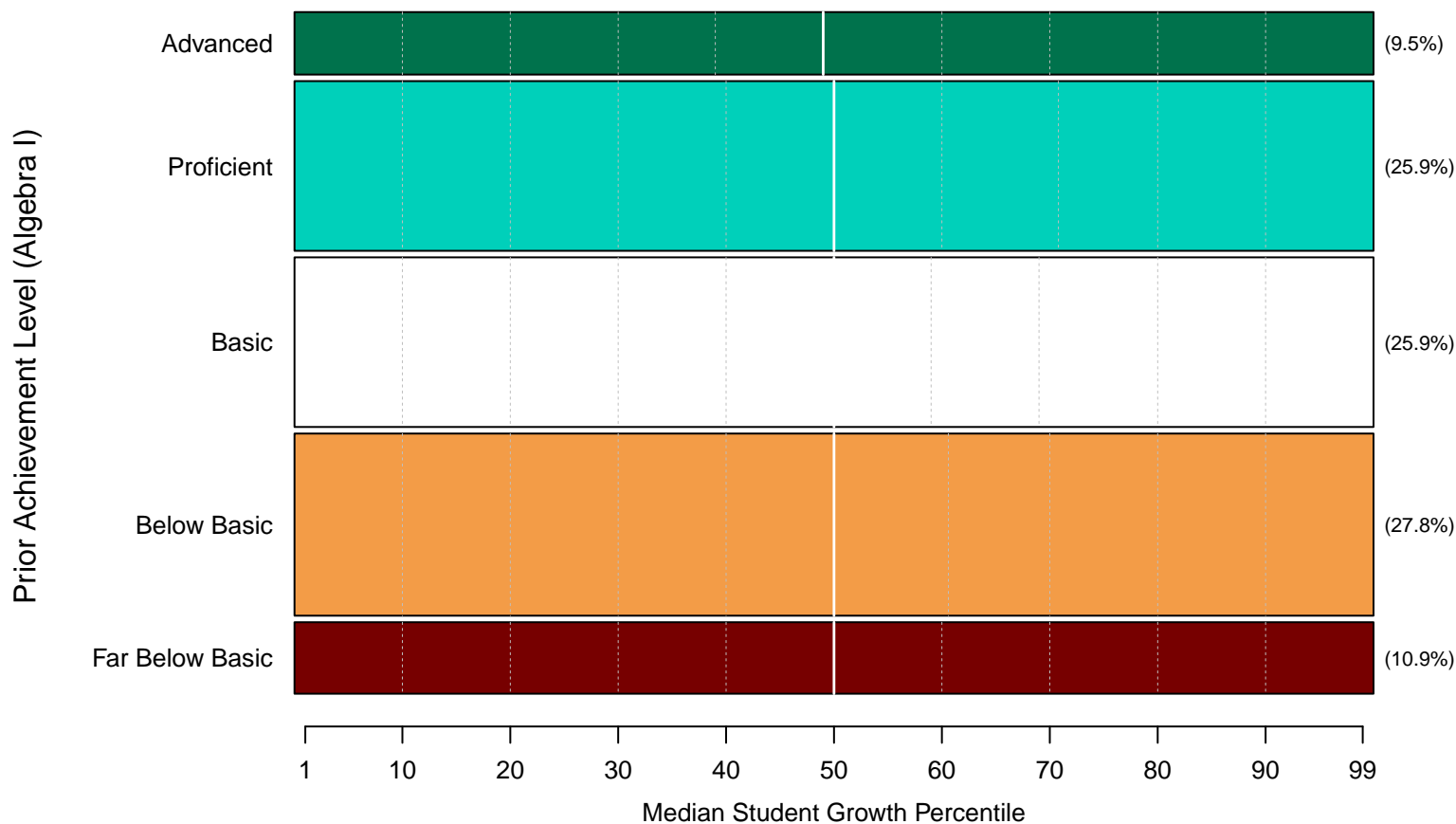# Student Growth Percentile Goodness–of–Fit Descriptives
## 2012 Biology SGP, Grade EOCT (N = 13,807)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Algebra I)

| Advanced | (9.5%) |
| Proficient | (25.9%) |
| Basic | (25.9%) |
| Below Basic | (27.8%) |
| Far Below Basic | (10.9%) |

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/[152,252) | 9.44 | 9.78 | 9.61 | 10.56 | 9.61 | 10.13 | 9.70 | 10.48 | 10.04 | 10.65 | (8.4%) |
| 2nd/[252,269) | 9.85 | 10.37 | 10.29 | 8.89 | 11.42 | 9.76 | 9.59 | 10.03 | 9.50 | 10.29 | (8.3%) |
| 3rd/[269,289) | 9.41 | 9.69 | 9.81 | 10.60 | 9.47 | 10.03 | 10.77 | 9.81 | 10.43 | 9.98 | (12.8%) |
| 4th/[289,304) | 9.32 | 10.73 | 10.26 | 9.08 | 10.02 | 8.93 | 10.26 | 9.71 | 10.02 | 11.67 | (9.2%) |
| 5th/[304,323) | 9.14 | 9.61 | 10.13 | 9.80 | 10.26 | 11.12 | 9.28 | 10.99 | 9.74 | 9.93 | (11%) |
| 6th/[323,337) | 9.33 | 9.97 | 9.52 | 11.99 | 9.88 | 9.97 | 10.43 | 8.23 | 10.16 | 10.52 | (7.9%) |
| 7th/[337,361) | 10.43 | 10.11 | 10.17 | 9.28 | 9.60 | 9.60 | 10.36 | 9.72 | 9.92 | 10.81 | (11.3%) |
| 8th/[361,387) | 9.01 | 9.86 | 9.72 | 9.65 | 10.64 | 9.93 | 8.30 | 12.06 | 10.21 | 10.64 | (10.2%) |
| 9th/[387,423) | 9.85 | 10.87 | 9.48 | 9.85 | 9.11 | 10.58 | 11.24 | 9.11 | 9.99 | 9.92 | (9.9%) |
| 10th/[423,600] | 9.49 | 9.62 | 10.61 | 10.55 | 10.48 | 9.56 | 9.82 | 9.82 | 9.62 | 10.42 | (11%) |

*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)