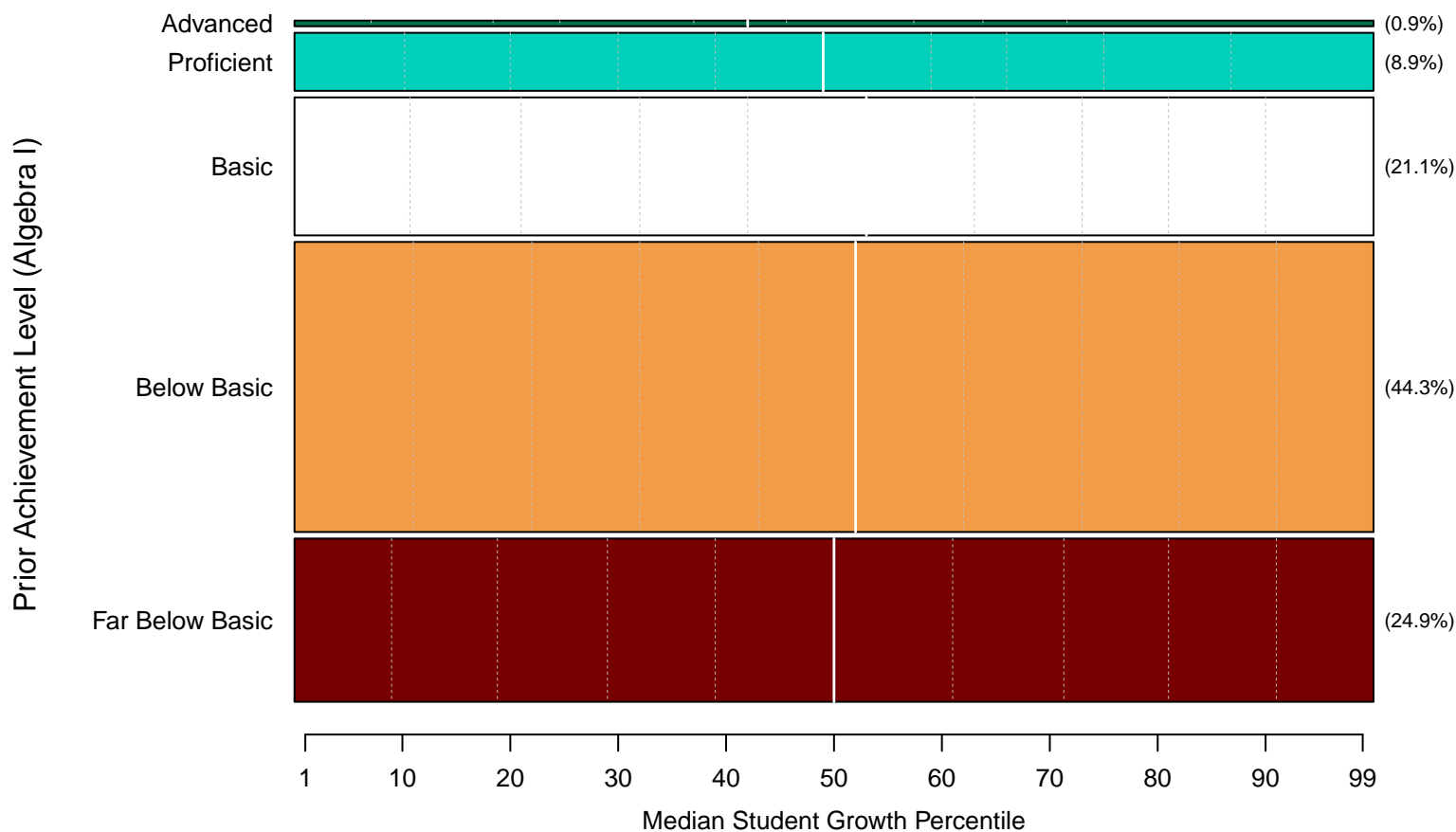# Student Growth Percentile Goodness–of–Fit Descriptives
## 2012 Biology SGP, Grade EOCT (N = 6,018)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Algebra I)

| | |
|---|---|
| Advanced | (0.9%) |
| Proficient | (8.9%) |
| Basic | (21.1%) |
| Below Basic | (44.3%) |
| Far Below Basic | (24.9%) |

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/[152,233) | 11.22 | 10.49 | 9.76 | 9.51 | 8.78 | 9.27 | 10.00 | 9.02 | 11.46 | 10.49 | (6.8%) |
| 2nd/[233,252) | 10.15 | 11.70 | 10.41 | 9.77 | 7.58 | 9.25 | 8.61 | 11.18 | 10.28 | 11.05 | (12.9%) |
| 3rd/[252,257) | 11.22 | 6.73 | 8.65 | 8.33 | 12.50 | 11.54 | 11.54 | 8.01 | 8.97 | 12.50 | (5.2%) |
| 4th/[257,269) | 9.86 | 9.73 | 8.49 | 10.82 | 11.78 | 9.59 | 9.73 | 7.40 | 11.51 | 11.10 | (12.1%) |
| 5th/[269,279) | 7.02 | 10.05 | 8.45 | 8.45 | 7.66 | 11.48 | 9.57 | 12.60 | 12.28 | 12.44 | (10.4%) |
| 6th/[279,289) | 8.03 | 8.69 | 9.84 | 8.85 | 9.67 | 11.31 | 10.33 | 11.80 | 10.82 | 10.66 | (10.1%) |
| 7th/[289,304) | 9.73 | 8.58 | 10.59 | 10.30 | 9.73 | 9.73 | 9.73 | 7.44 | 13.02 | 11.16 | (11.6%) |
| 8th/[304,318) | 10.25 | 8.73 | 7.78 | 8.92 | 7.78 | 9.49 | 10.25 | 12.90 | 12.52 | 11.39 | (8.8%) |
| 9th/[318,346) | 7.95 | 10.19 | 10.79 | 10.79 | 8.25 | 10.64 | 10.79 | 11.09 | 10.34 | 9.15 | (11.1%) |
| 10th/[346,528) | 9.73 | 9.88 | 10.03 | 10.94 | 10.33 | 11.09 | 12.31 | 8.97 | 9.12 | 7.60 | (10.9%) |

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

### QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution