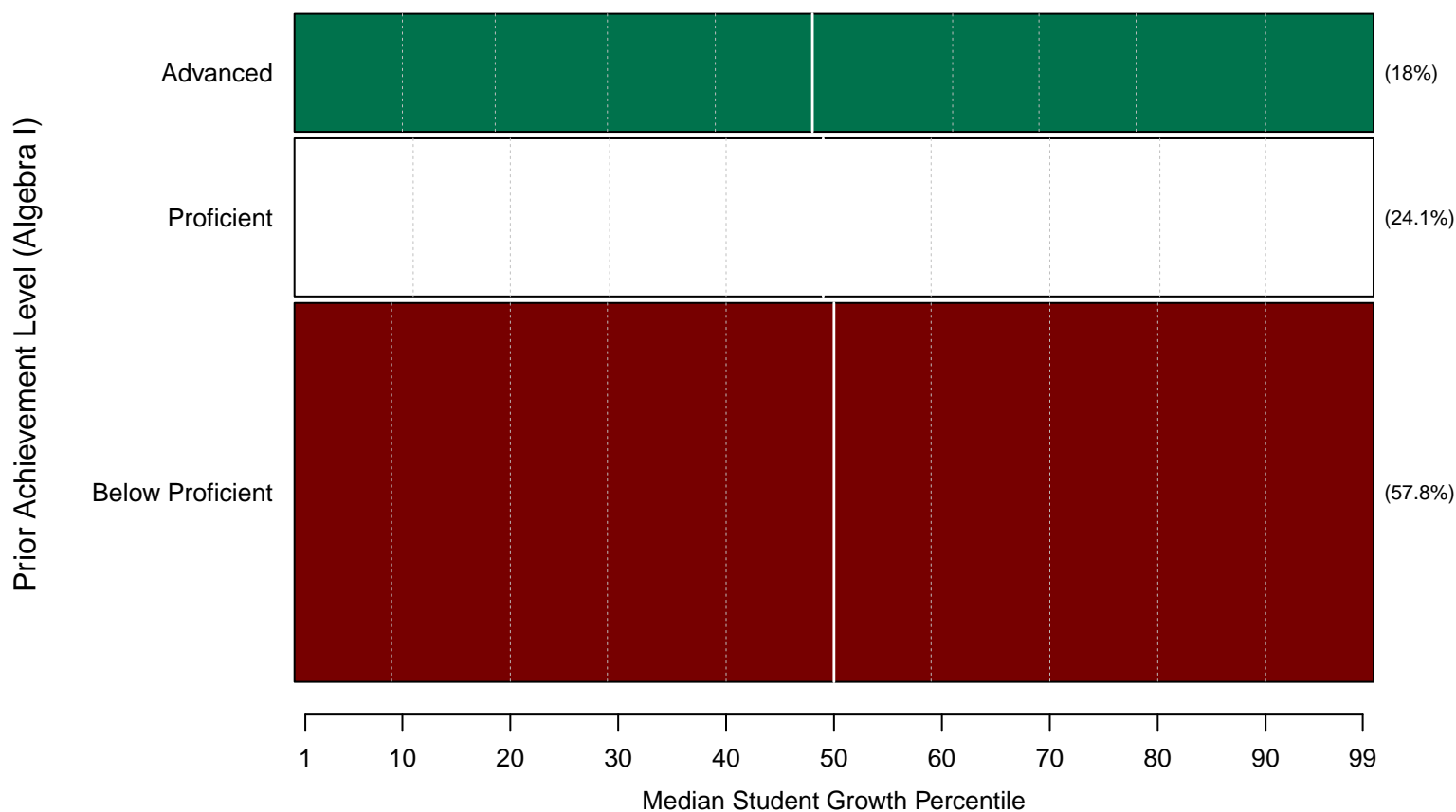# Student Growth Percentile Goodness–of–Fit Descriptives
## 2012 Algebra I SGP, Grade EOCT (N = 7,435)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Algebra I)

- Advanced (18%)
- Proficient (24.1%)
- Below Proficient (57.8%)

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/[130,144) | 10.09 | 9.42 | 10.63 | 8.61 | 10.63 | 10.36 | 9.29 | 10.63 | 10.36 | 9.96 | (10%) |
| 2nd/[144,149) | 11.16 | 11.16 | 11.01 | 10.11 | 7.69 | 9.65 | 11.01 | 8.90 | 8.45 | 10.86 | (8.9%) |
| 3rd/[149,152) | 9.26 | 11.11 | 8.99 | 9.92 | 12.43 | 10.32 | 8.73 | 8.86 | 12.04 | 8.33 | (10.2%) |
| 4th/[152,155) | 8.28 | 9.25 | 9.09 | 10.71 | 9.09 | 11.85 | 10.88 | 11.04 | 8.44 | 11.36 | (8.3%) |
| 5th/[155,158) | 9.13 | 8.32 | 10.06 | 10.52 | 9.94 | 12.37 | 6.01 | 10.87 | 11.91 | 10.87 | (11.6%) |
| 6th/[158,160) | 12.92 | 9.27 | 11.55 | 9.57 | 7.45 | 14.44 | 6.53 | 9.73 | 9.27 | 9.27 | (8.9%) |
| 7th/[160,163) | 9.12 | 10.26 | 9.97 | 11.97 | 10.68 | 6.27 | 10.40 | 10.40 | 11.68 | 9.26 | (9.4%) |
| 8th/[163,167) | 8.97 | 11.16 | 9.74 | 7.77 | 11.82 | 11.49 | 9.30 | 10.39 | 7.77 | 11.60 | (12.3%) |
| 9th/[167,171) | 9.90 | 9.01 | 10.64 | 11.52 | 9.31 | 7.68 | 9.31 | 11.82 | 11.23 | 9.60 | (9.1%) |
| 10th/[171,199) | 9.87 | 13.56 | 8.20 | 10.23 | 9.04 | 10.82 | 11.06 | 9.75 | 7.73 | 9.75 | (11.3%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution