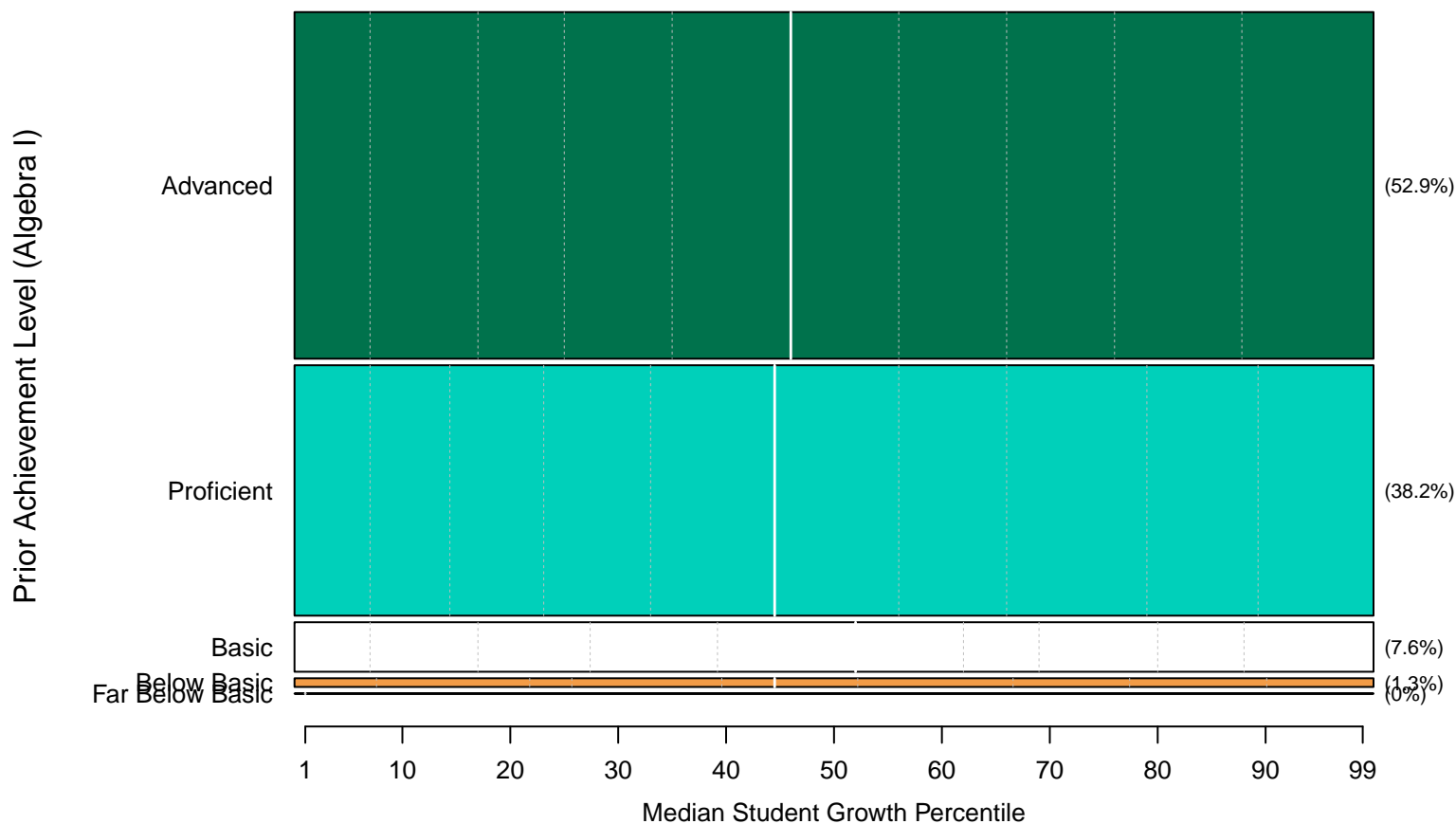# Student Growth Percentile Goodness–of–Fit Descriptives

## 2013 Geometry SGP, Grade EOCT (N = 3,031)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Algebra I)

| Advanced | (52.9%) |
| Proficient | (38.2%) |
| Basic | (7.6%) |
| Below Basic | (1.3%) |
| Far Below Basic | (0%) |

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/[227,351] | 12.96 | 9.26 | 10.37 | 7.78 | 8.15 | 10.00 | 12.59 | 8.89 | 11.11 | 8.89 | (8.9%) |
| 2nd/[351,376] | 14.33 | 10.24 | 12.97 | 8.87 | 9.56 | 8.19 | 7.17 | 9.90 | 9.22 | 9.56 | (9.7%) |
| 3rd/[376,398] | 10.98 | 11.59 | 10.98 | 9.76 | 9.76 | 8.84 | 8.54 | 8.23 | 8.54 | 12.80 | (10.8%) |
| 4th/[398,415] | 13.53 | 13.86 | 13.53 | 7.92 | 8.25 | 7.26 | 10.56 | 7.26 | 11.22 | 6.60 | (10%) |
| 5th/[415,429] | 15.38 | 9.40 | 10.26 | 8.55 | 9.40 | 8.97 | 10.26 | 7.69 | 8.97 | 11.11 | (7.7%) |
| 6th/[429,453] | 14.56 | 12.36 | 9.34 | 9.89 | 8.52 | 10.99 | 9.62 | 9.34 | 7.69 | 7.69 | (12%) |
| 7th/[453,471] | 12.91 | 12.91 | 7.62 | 11.26 | 8.61 | 12.58 | 9.60 | 8.61 | 7.28 | 8.61 | (10%) |
| 8th/[471,495] | 10.92 | 8.80 | 9.86 | 10.21 | 9.15 | 9.51 | 8.80 | 11.27 | 11.27 | 10.21 | (9.4%) |
| 9th/[495,526] | 12.50 | 13.28 | 10.55 | 9.77 | 10.55 | 12.50 | 7.81 | 6.64 | 5.08 | 11.33 | (8.4%) |
| 10th/[526,600] | 11.59 | 9.32 | 12.09 | 9.57 | 11.59 | 9.57 | 11.34 | 9.07 | 9.82 | 6.05 | (13.1%) |

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

### QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution



Empirical SGP Distribution