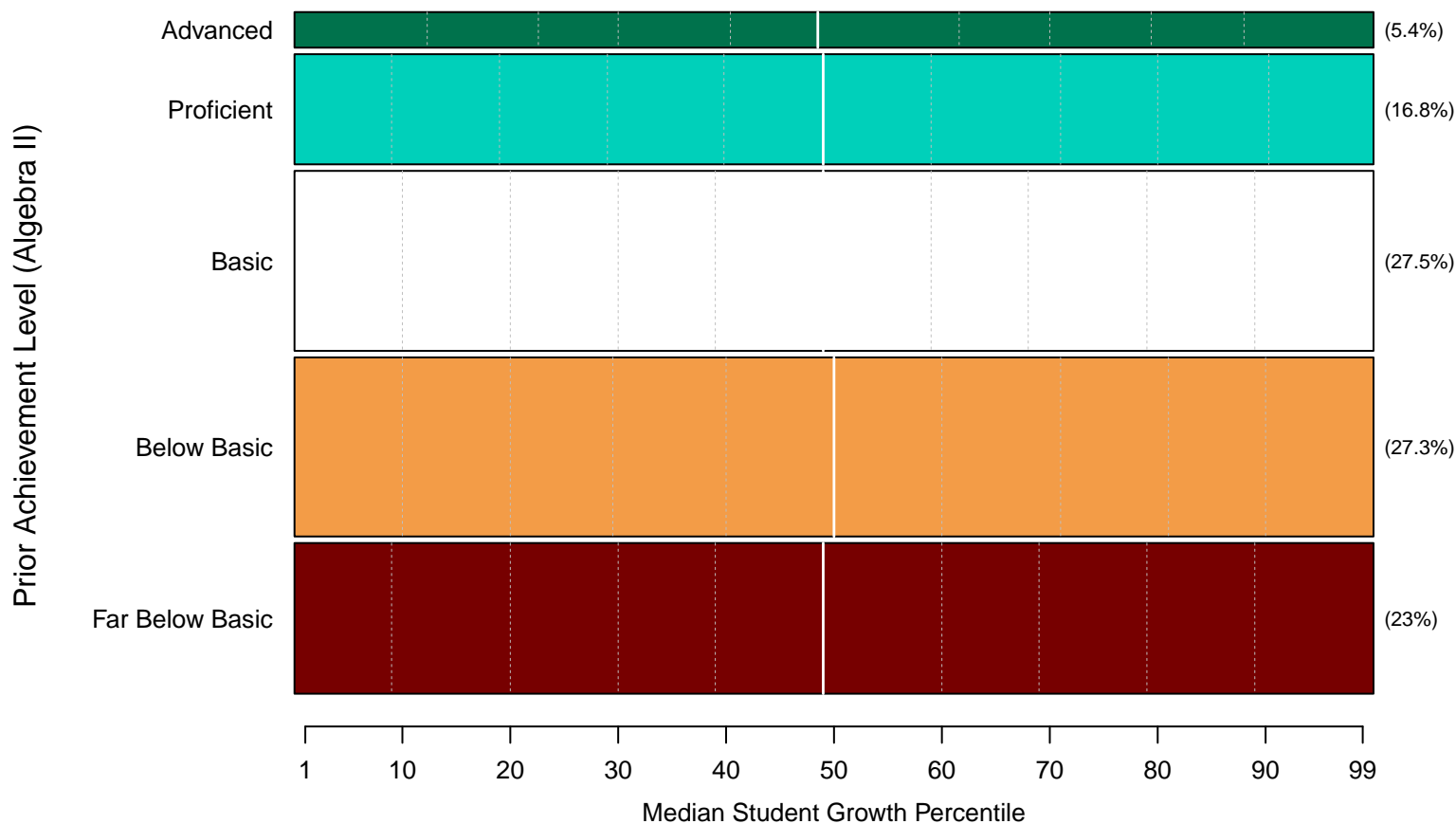# Student Growth Percentile Goodness–of–Fit Descriptives
## 2012 Geometry SGP, Grade EOCT (N = 3,023)

## SGP Deciles by Prior Achievement Level

**Prior Achievement Level (Algebra II)**

| Level | Percent |
|---|---|
| Advanced | (5.4%) |
| Proficient | (16.8%) |
| Basic | (27.5%) |
| Below Basic | (27.3%) |
| Far Below Basic | (23%) |

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/[166,237) | 10.10 | 10.45 | 11.85 | 11.15 | 7.67 | 9.76 | 10.10 | 9.41 | 9.06 | 10.45 | (9.5%) |
| 2nd/[237,254) | 11.50 | 6.71 | 8.31 | 10.54 | 12.14 | 9.58 | 9.58 | 11.82 | 10.22 | 9.58 | (10.4%) |
| 3rd/[254,264) | 7.54 | 11.56 | 9.55 | 9.55 | 11.56 | 9.55 | 12.06 | 6.53 | 11.56 | 10.55 | (6.6%) |
| 4th/[264,283) | 10.44 | 9.07 | 12.36 | 10.16 | 10.44 | 9.89 | 8.52 | 10.16 | 7.97 | 10.99 | (12%) |
| 5th/[283,297) | 9.86 | 11.97 | 7.75 | 9.86 | 5.63 | 11.97 | 10.92 | 11.97 | 11.97 | 8.10 | (9.4%) |
| 6th/[297,315) | 10.62 | 9.44 | 9.73 | 10.62 | 12.09 | 10.03 | 9.14 | 10.03 | 8.26 | 10.03 | (11.2%) |
| 7th/[315,334) | 7.59 | 10.56 | 11.55 | 9.90 | 8.91 | 9.90 | 8.58 | 8.25 | 10.89 | 13.86 | (10%) |
| 8th/[334,353) | 11.45 | 8.78 | 9.54 | 10.69 | 8.78 | 9.16 | 13.74 | 9.92 | 10.31 | 7.63 | (8.7%) |
| 9th/[353,390) | 8.91 | 9.47 | 10.86 | 8.64 | 10.58 | 11.42 | 9.19 | 10.03 | 9.75 | 11.14 | (11.9%) |
| 10th/[390,599] | 10.54 | 10.86 | 9.90 | 10.54 | 10.54 | 8.95 | 8.63 | 10.22 | 9.58 | 10.22 | (10.4%) |

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

## QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution