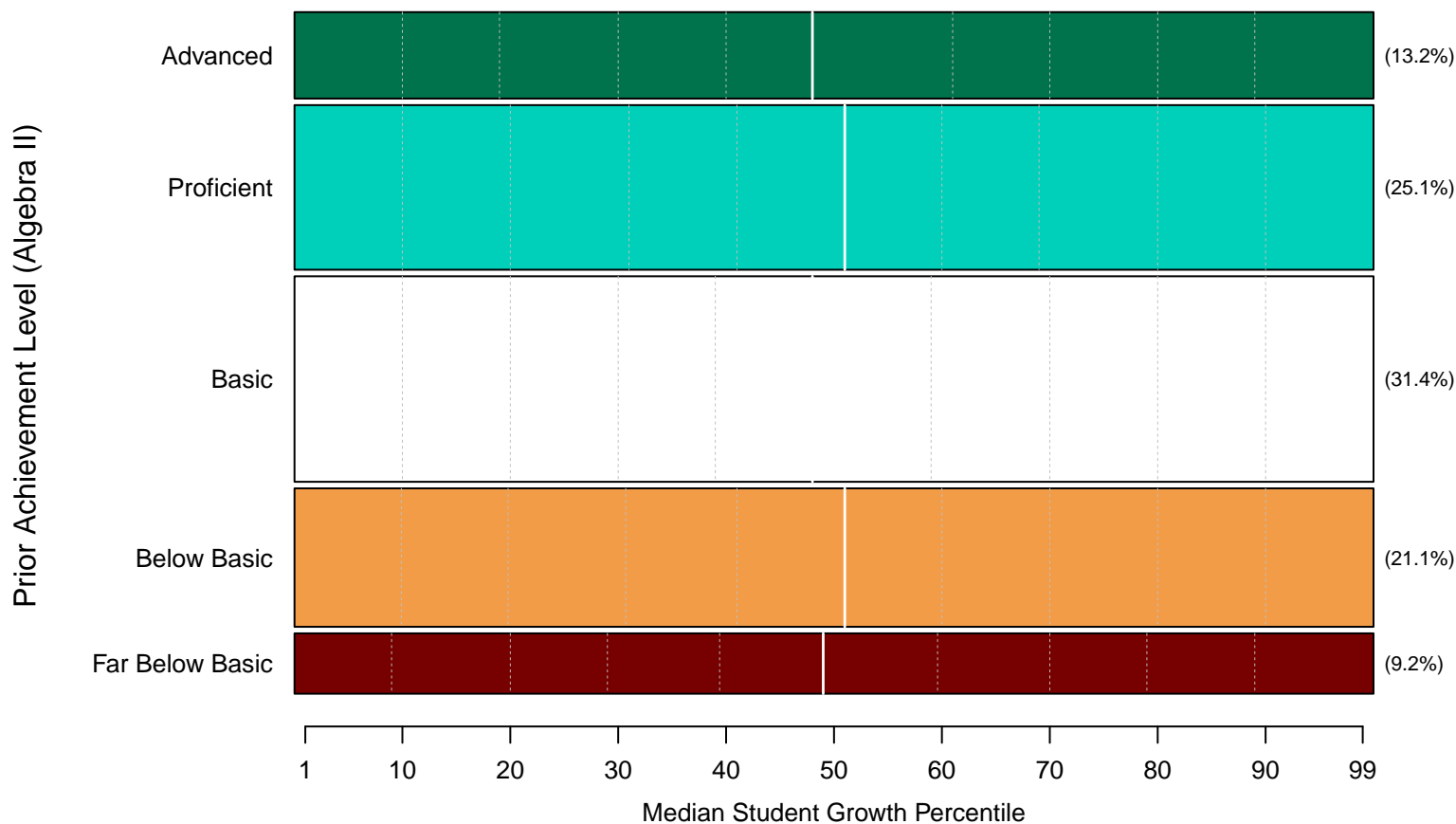# Student Growth Percentile Goodness–of–Fit Descriptives

## 2013 Summative HS Mathematics SGP, Grade EOCT (N = 9,468)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Algebra II)

| Level | Percent |
|---|---|
| Advanced | (13.2%) |
| Proficient | (25.1%) |
| Basic | (31.4%) |
| Below Basic | (21.1%) |
| Far Below Basic | (9.2%) |

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/[176,260) | 10.32 | 9.63 | 10.89 | 9.17 | 10.67 | 9.29 | 9.86 | 11.12 | 9.06 | 9.98 | (9.2%) |
| 2nd/[260,279) | 9.90 | 9.78 | 10.39 | 10.51 | 10.76 | 8.80 | 11.12 | 8.80 | 10.27 | 9.66 | (8.6%) |
| 3rd/[279,298) | 10.41 | 9.67 | 8.41 | 9.57 | 9.46 | 10.94 | 9.36 | 10.94 | 9.99 | 11.25 | (10%) |
| 4th/[298,316) | 9.05 | 9.46 | 10.76 | 8.95 | 9.86 | 11.27 | 9.86 | 9.96 | 9.26 | 11.57 | (10.5%) |
| 5th/[316,330) | 9.73 | 10.68 | 9.85 | 9.13 | 11.15 | 9.96 | 9.02 | 10.56 | 10.32 | 9.61 | (8.9%) |
| 6th/[330,349) | 9.06 | 11.00 | 9.61 | 13.86 | 9.61 | 7.58 | 9.80 | 9.80 | 9.80 | 9.89 | (11.4%) |
| 7th/[349,369) | 9.67 | 10.25 | 9.67 | 8.90 | 10.35 | 10.74 | 10.64 | 8.70 | 11.03 | 10.06 | (10.9%) |
| 8th/[369,391) | 10.02 | 9.15 | 10.68 | 8.71 | 11.11 | 10.02 | 10.57 | 8.39 | 10.89 | 10.46 | (9.7%) |
| 9th/[391,433) | 9.37 | 9.88 | 10.59 | 9.27 | 8.96 | 11.71 | 8.96 | 12.32 | 8.76 | 10.18 | (10.4%) |
| 10th/[433,600) | 9.75 | 10.47 | 8.93 | 11.29 | 9.96 | 9.96 | 9.34 | 9.34 | 11.29 | 9.65 | (10.3%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution