# Student Growth Percentile Goodness–of–Fit Descriptives
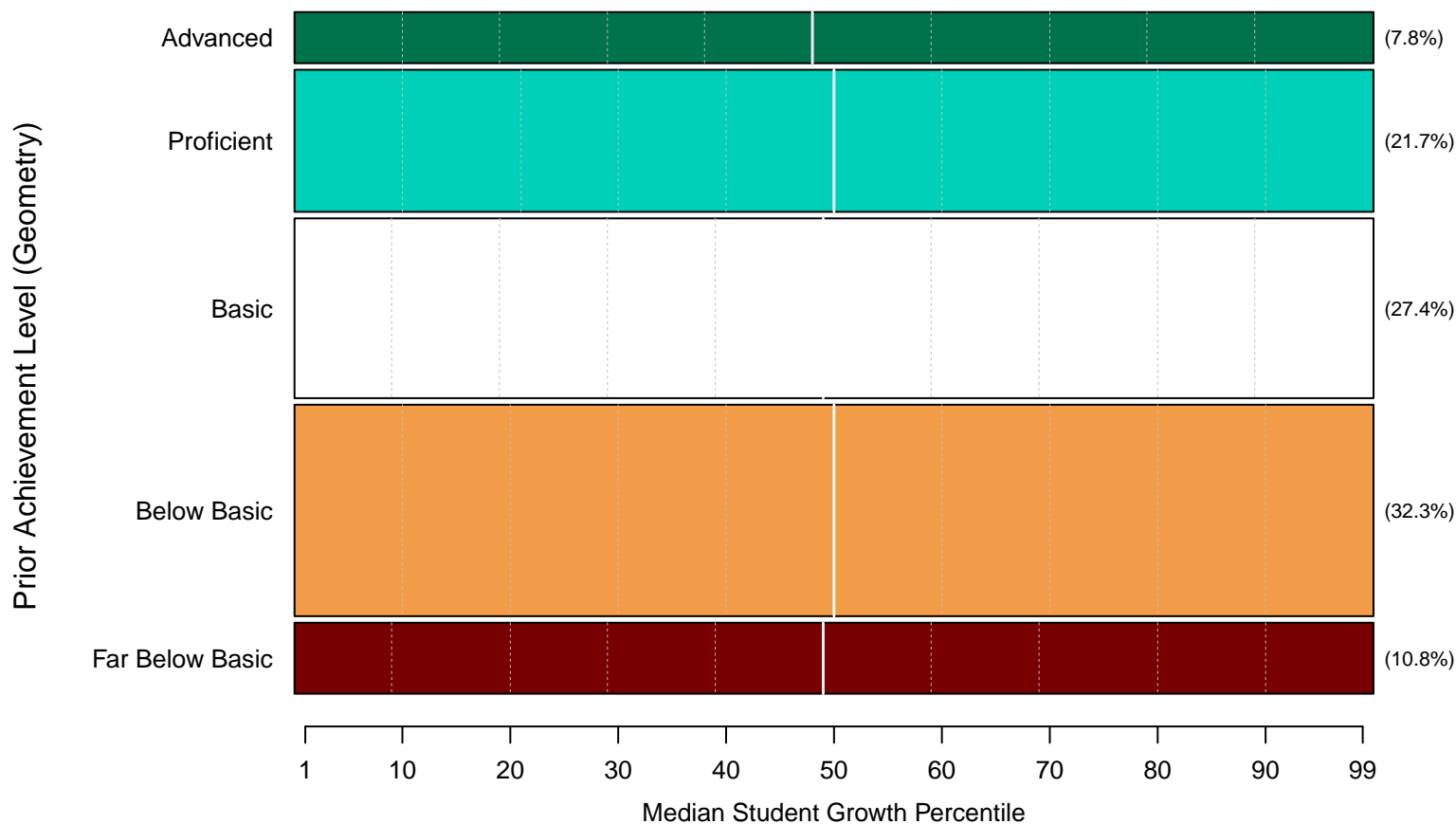## 2013 Algebra II SGP, Grade EOCT (N = 18,163)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Geometry)

| | |
|---|---|
| Advanced | (7.8%) |
| Proficient | (21.7%) |
| Basic | (27.4%) |
| Below Basic | (32.3%) |
| Far Below Basic | (10.8%) |

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/[175,244) | 10.53 | 8.79 | 10.78 | 9.88 | 11.36 | 8.73 | 10.14 | 8.86 | 10.33 | 10.59 | (8.6%) |
| 2nd/[244,262) | 10.48 | 11.09 | 9.20 | 10.42 | 8.81 | 10.98 | 9.53 | 9.65 | 9.81 | 10.03 | (9.9%) |
| 3rd/[262,279) | 9.35 | 10.85 | 9.79 | 8.73 | 10.70 | 10.37 | 9.35 | 10.41 | 10.32 | 10.13 | (11.4%) |
| 4th/[279,291) | 9.30 | 9.51 | 12.06 | 9.44 | 9.72 | 10.82 | 10.89 | 9.03 | 8.68 | 10.54 | (8%) |
| 5th/[291,308) | 8.94 | 9.64 | 10.34 | 9.48 | 10.13 | 10.08 | 10.02 | 9.97 | 10.34 | 11.05 | (10.2%) |
| 6th/[308,324) | 9.59 | 9.76 | 9.65 | 10.27 | 10.10 | 9.59 | 10.50 | 9.54 | 11.23 | 9.76 | (9.8%) |
| 7th/[324,346) | 10.75 | 10.69 | 9.36 | 9.97 | 9.56 | 10.23 | 9.46 | 9.56 | 10.13 | 10.28 | (10.7%) |
| 8th/[346,370) | 9.15 | 10.44 | 8.98 | 10.77 | 9.90 | 10.77 | 9.58 | 10.77 | 8.98 | 10.66 | (10.2%) |
| 9th/[370,406) | 9.82 | 9.20 | 11.07 | 8.99 | 10.45 | 9.88 | 10.29 | 9.88 | 9.88 | 10.55 | (10.6%) |
| 10th/[406,600] | 9.32 | 10.25 | 10.10 | 10.72 | 9.84 | 9.63 | 9.68 | 10.62 | 9.94 | 9.89 | (10.6%) |

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

## QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution



Empirical SGP Distribution