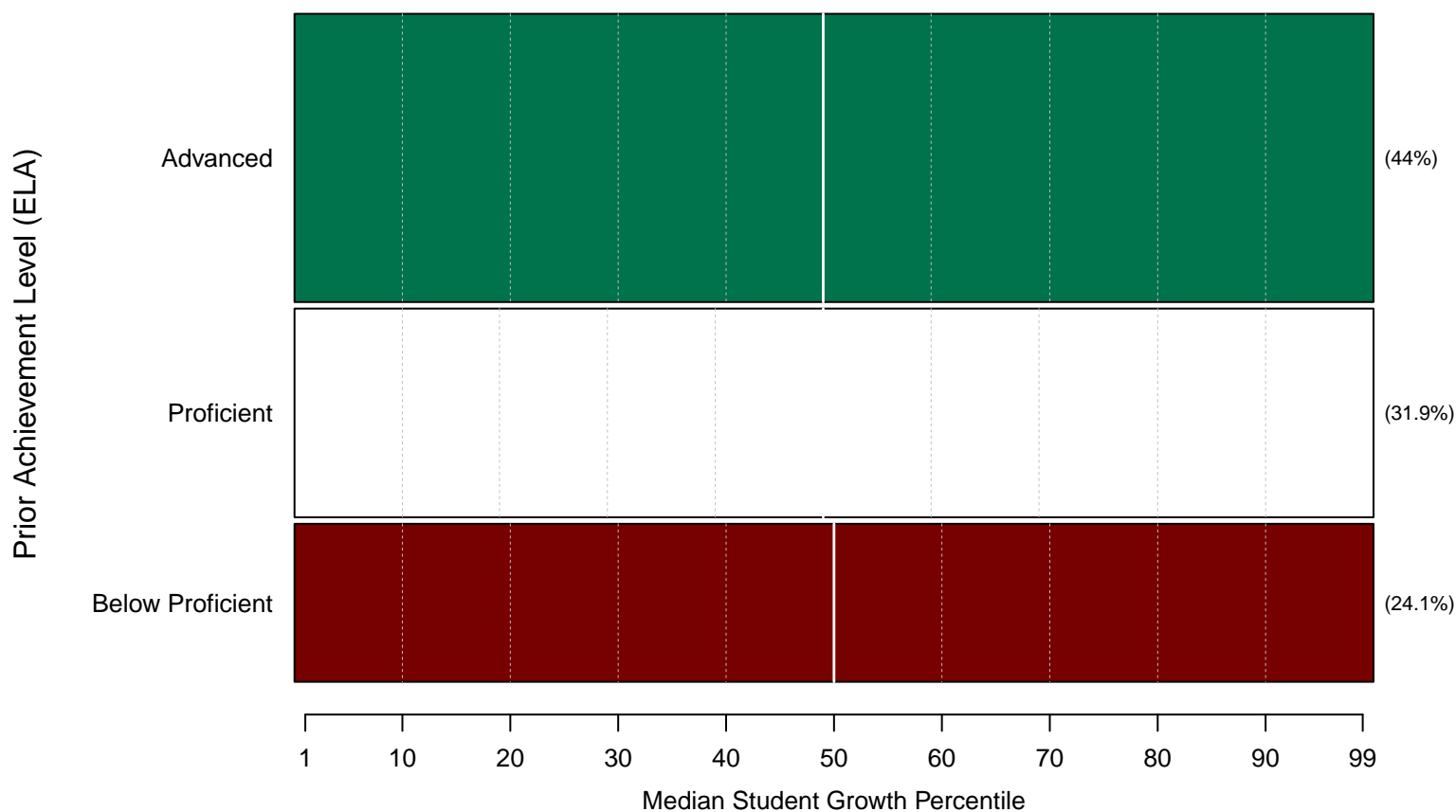# Student Growth Percentile Goodness–of–Fit Descriptives
## 2012 ELA SGP, Grade 5 (N = 43,157)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (ELA):
- Advanced (44%)
- Proficient (31.9%)
- Below Proficient (24.1%)

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/[130,153) | 9.71 | 9.73 | 10.12 | 9.81 | 10.40 | 9.68 | 10.68 | 9.91 | 9.48 | 10.48 | (9%) |
| 2nd/[153,158) | 9.61 | 9.97 | 10.04 | 10.10 | 9.88 | 9.97 | 9.73 | 9.61 | 10.79 | 10.30 | (10.5%) |
| 3rd/[158,161) | 9.52 | 10.55 | 10.55 | 9.45 | 9.27 | 10.58 | 10.40 | 9.96 | 9.08 | 10.65 | (7.4%) |
| 4th/[161,163) | 10.00 | 10.76 | 8.95 | 9.93 | 11.48 | 9.79 | 8.62 | 9.55 | 10.17 | 10.74 | (9.7%) |
| 5th/[163,166) | 8.60 | 8.34 | 10.59 | 10.25 | 9.81 | 10.22 | 9.68 | 11.13 | 11.26 | 10.12 | (9%) |
| 6th/[166,168) | 10.29 | 11.92 | 10.62 | 9.47 | 9.29 | 9.69 | 11.11 | 8.89 | 8.66 | 10.07 | (10.4%) |
| 7th/[168,172) | 9.34 | 9.25 | 9.82 | 10.17 | 10.67 | 10.14 | 9.44 | 10.12 | 10.56 | 10.49 | (13.1%) |
| 8th/[172,175) | 9.18 | 10.27 | 8.36 | 11.67 | 9.51 | 9.24 | 10.60 | 10.06 | 11.15 | 9.97 | (7.6%) |
| 9th/[175,178) | 9.88 | 11.65 | 11.31 | 9.73 | 9.14 | 9.76 | 8.51 | 10.50 | 10.07 | 9.45 | (7.5%) |
| 10th/[178,199] | 9.62 | 10.38 | 9.27 | 10.93 | 10.35 | 10.26 | 10.55 | 9.24 | 8.93 | 10.47 | (15.9%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100