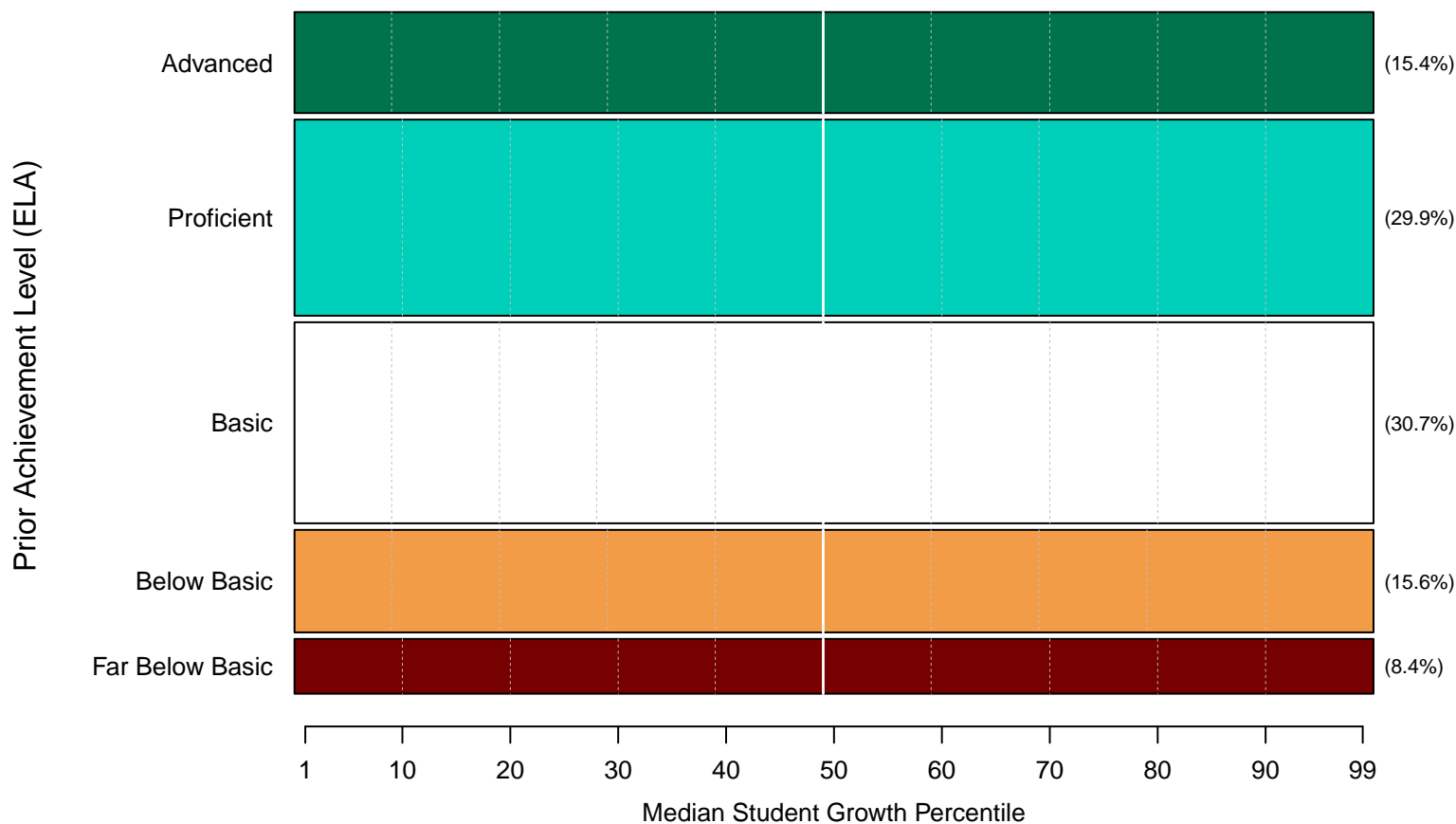# Student Growth Percentile Goodness–of–Fit Descriptives
## 2011 ELA SGP, Grade 10 (N = 36,820)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (ELA)

| Advanced | (15.4%) |
| Proficient | (29.9%) |
| Basic | (30.7%) |
| Below Basic | (15.6%) |
| Far Below Basic | (8.4%) |

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/[150,270) | 9.89 | 10.25 | 10.00 | 10.22 | 10.31 | 9.67 | 9.47 | 9.42 | 9.97 | 10.81 | (9.8%) |
| 2nd/[270,291) | 10.11 | 10.77 | 9.70 | 10.59 | 10.32 | 10.17 | 9.73 | 8.89 | 9.73 | 9.99 | (9.1%) |
| 3rd/[291,312) | 9.86 | 9.68 | 10.00 | 10.00 | 9.81 | 9.53 | 10.23 | 10.75 | 9.98 | 10.15 | (10.9%) |
| 4th/[312,326) | 10.83 | 10.83 | 9.40 | 10.47 | 9.83 | 9.70 | 9.50 | 9.07 | 10.20 | 10.17 | (8.2%) |
| 5th/[326,343) | 10.99 | 10.18 | 10.57 | 9.65 | 9.19 | 10.23 | 9.31 | 9.79 | 9.95 | 10.14 | (11.8%) |
| 6th/[343,358) | 10.09 | 9.67 | 9.81 | 10.03 | 10.25 | 9.20 | 9.78 | 10.20 | 10.01 | 10.95 | (9.8%) |
| 7th/[358,369) | 9.58 | 10.10 | 9.86 | 10.07 | 10.69 | 9.17 | 11.11 | 9.41 | 9.58 | 10.42 | (7.8%) |
| 8th/[369,391) | 9.94 | 10.42 | 9.65 | 10.61 | 9.83 | 10.46 | 9.55 | 9.89 | 9.89 | 9.76 | (12.5%) |
| 9th/[391,412) | 10.17 | 9.78 | 10.23 | 10.44 | 10.05 | 9.51 | 9.66 | 9.90 | 10.05 | 10.20 | (9%) |
| 10th/[412,575] | 10.27 | 10.17 | 10.17 | 9.51 | 9.66 | 9.68 | 10.27 | 10.00 | 10.08 | 10.17 | (11.1%) |

*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