# Student Growth Percentile Goodness–of–Fit Descriptives
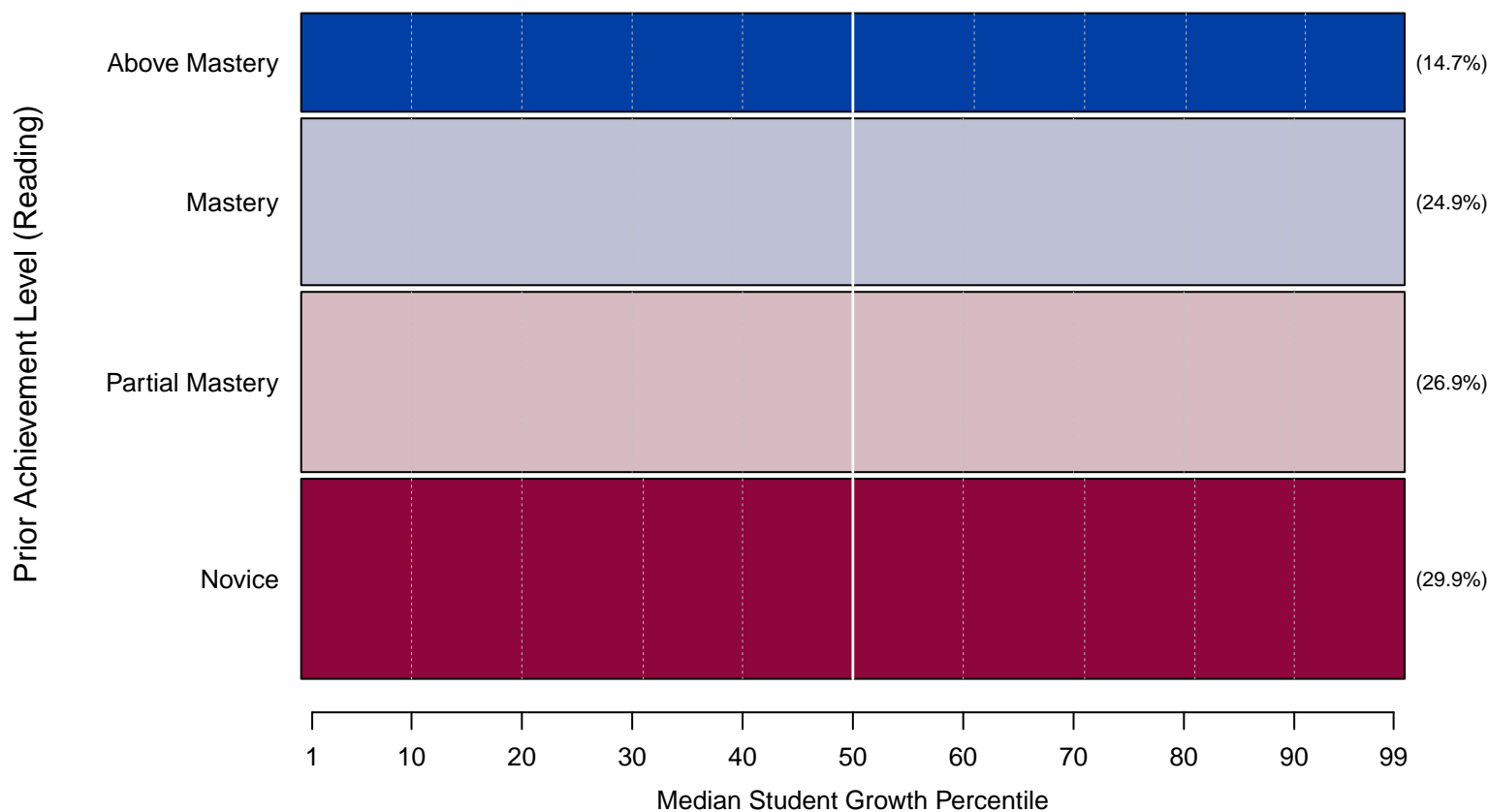## 2014–2015 Reading SGP, Grade 5 (N = 19,000)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Reading):
- Above Mastery (14.7%)
- Mastery (24.9%)
- Partial Mastery (26.9%)
- Novice (29.9%)

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/[133,394) | 9.50 | 10.10 | 9.45 | 10.37 | 10.15 | 9.39 | 9.23 | 10.64 | 10.48 | 10.69 | (9.7%) |
| 2nd/[394,414) | 9.27 | 9.11 | 10.10 | 9.22 | 9.64 | 10.94 | 10.47 | 9.11 | 10.68 | 11.46 | (10.1%) |
| 3rd/[414,427) | 9.46 | 10.24 | 9.61 | 10.82 | 10.24 | 9.46 | 9.72 | 10.08 | 9.87 | 10.50 | (10.1%) |
| 4th/[427,436) | 9.83 | 9.65 | 10.57 | 10.45 | 9.90 | 9.22 | 10.45 | 10.20 | 10.45 | 9.28 | (8.6%) |
| 5th/[436,446) | 10.07 | 9.62 | 9.57 | 9.23 | 9.97 | 10.71 | 9.97 | 10.17 | 9.77 | 10.91 | (10.6%) |
| 6th/[446,454) | 9.41 | 9.84 | 10.75 | 9.52 | 10.05 | 10.05 | 8.93 | 10.86 | 9.63 | 10.96 | (9.8%) |
| 7th/[454,463) | 8.74 | 10.36 | 9.77 | 11.25 | 9.97 | 9.87 | 10.17 | 9.18 | 9.48 | 11.20 | (10.7%) |
| 8th/[463,473) | 10.74 | 10.17 | 9.41 | 9.61 | 9.97 | 9.66 | 10.58 | 9.46 | 11.20 | 9.20 | (10.3%) |
| 9th/[473,486) | 9.07 | 9.70 | 10.76 | 9.23 | 10.55 | 10.55 | 9.55 | 10.55 | 9.65 | 10.39 | (10%) |
| 10th/[486,587] | 9.62 | 9.88 | 9.57 | 11.08 | 9.36 | 9.57 | 10.24 | 10.04 | 9.88 | 10.76 | (10.1%) |

*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