# Student Growth Percentile Goodness–of–Fit Descriptives
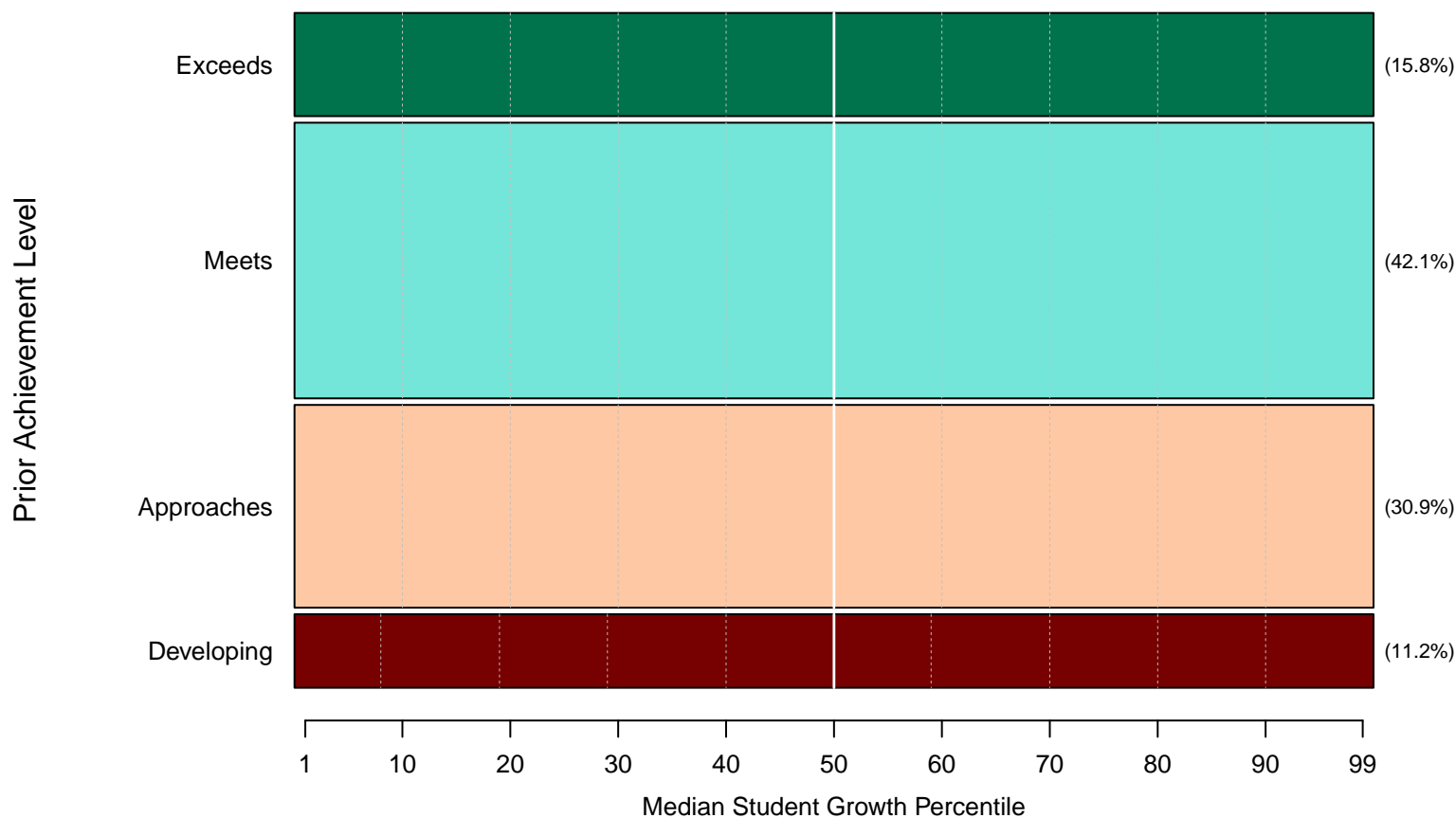## 2008–2009 Reading SGP, Grade 5 (N = 30,519)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level: Exceeds (15.8%), Meets (42.1%), Approaches (30.9%), Developing (11.2%)

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/[100,197) | 10.59 | 9.21 | 10.52 | 9.24 | 10.18 | 10.45 | 9.00 | 10.04 | 10.38 | 10.38 | (9.5%) |
| 2nd/[197,251) | 9.77 | 9.35 | 10.12 | 10.44 | 10.02 | 10.50 | 10.02 | 9.96 | 9.70 | 10.12 | (10.3%) |
| 3rd/[251,279) | 8.95 | 11.07 | 9.58 | 9.88 | 9.62 | 9.52 | 10.18 | 9.88 | 10.01 | 11.31 | (9.9%) |
| 4th/[279,299) | 9.71 | 9.65 | 9.98 | 10.52 | 9.88 | 10.01 | 10.25 | 10.35 | 9.85 | 9.81 | (9.8%) |
| 5th/[299,316) | 9.62 | 9.62 | 10.28 | 9.73 | 9.97 | 10.08 | 9.54 | 9.89 | 10.16 | 11.13 | (8.5%) |
| 6th/[316,333) | 10.46 | 9.59 | 9.75 | 9.10 | 10.79 | 10.46 | 10.01 | 9.94 | 9.85 | 10.04 | (10.1%) |
| 7th/[333,347) | 9.29 | 9.77 | 9.98 | 10.34 | 9.73 | 9.57 | 10.42 | 10.34 | 10.06 | 10.50 | (8.1%) |
| 8th/[347,375) | 9.17 | 10.68 | 10.29 | 10.34 | 9.10 | 10.27 | 9.59 | 10.12 | 9.41 | 11.02 | (13.4%) |
| 9th/[375,403) | 9.71 | 10.82 | 9.26 | 9.05 | 12.35 | 9.47 | 9.85 | 8.91 | 10.23 | 10.34 | (9.4%) |
| 10th/[403,500] | 9.67 | 9.91 | 9.82 | 11.07 | 9.20 | 10.12 | 10.24 | 9.91 | 10.15 | 9.91 | (11%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution