# Student Growth Percentile Goodness–of–Fit Descriptives
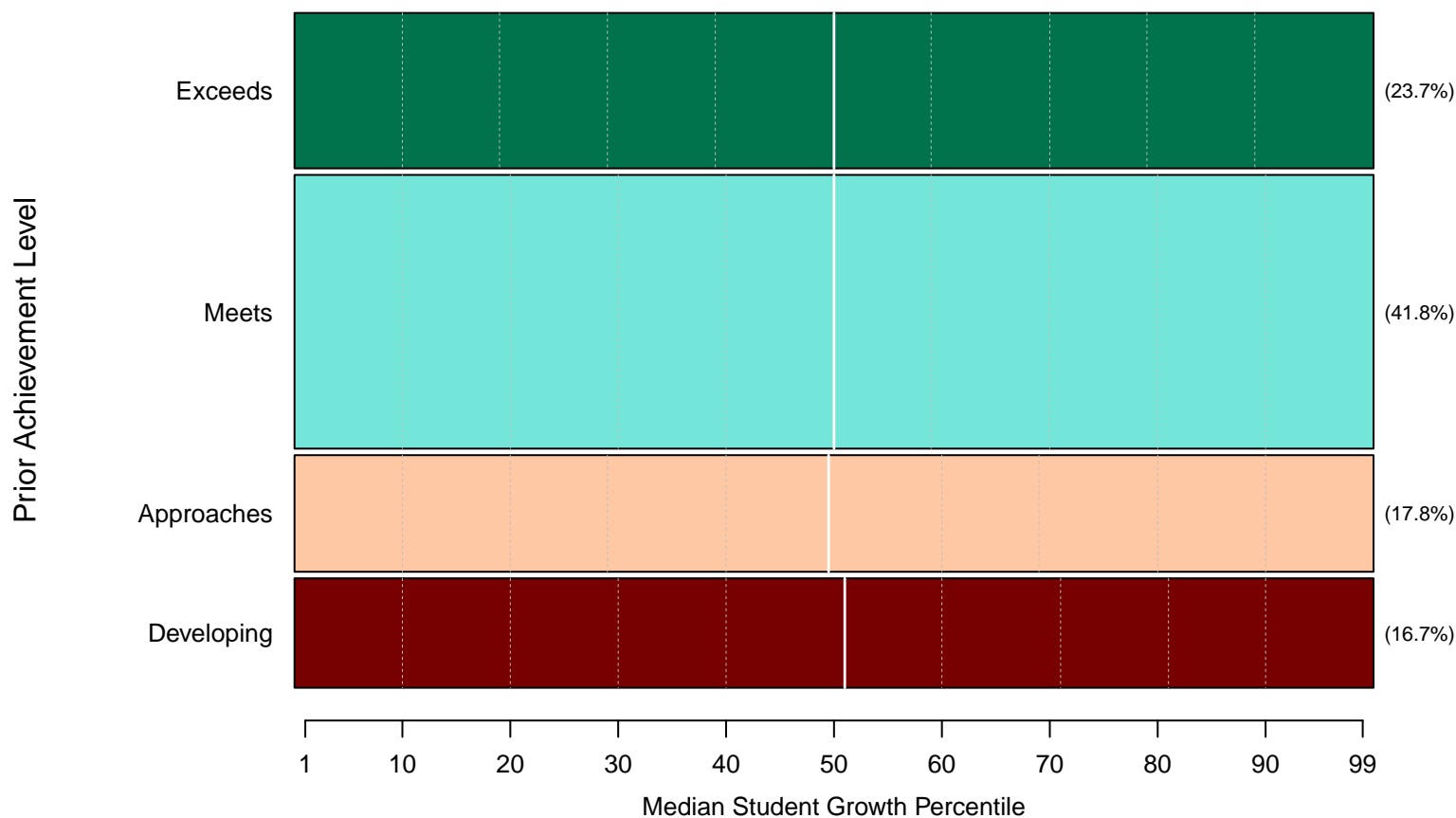
## 2010–2011 Reading SGP, Grade 5 (N = 30,873)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level

- Exceeds — (23.7%)
- Meets — (41.8%)
- Approaches — (17.8%)
- Developing — (16.7%)

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/[100,220) | 11.03 | 9.10 | 9.88 | 9.74 | 9.54 | 10.12 | 9.61 | 9.64 | 10.08 | 11.27 | (9.6%) |
| 2nd/[220,260) | 8.78 | 10.38 | 9.62 | 10.16 | 10.53 | 10.02 | 10.02 | 10.34 | 10.16 | 9.98 | (8.9%) |
| 3rd/[260,290) | 9.52 | 10.16 | 10.83 | 9.73 | 9.76 | 10.04 | 10.19 | 9.73 | 9.67 | 10.37 | (10.6%) |
| 4th/[290,308) | 9.47 | 10.11 | 9.47 | 9.92 | 10.80 | 10.15 | 9.58 | 9.31 | 10.42 | 10.76 | (8.5%) |
| 5th/[308,328) | 9.98 | 9.31 | 10.45 | 10.94 | 9.15 | 9.40 | 9.95 | 10.26 | 10.11 | 10.45 | (10.5%) |
| 6th/[328,343) | 9.41 | 10.20 | 9.10 | 9.37 | 10.24 | 10.78 | 10.12 | 10.59 | 10.00 | 10.20 | (8.3%) |
| 7th/[343,360) | 9.88 | 10.15 | 10.93 | 10.02 | 8.97 | 10.96 | 9.21 | 9.68 | 10.19 | 10.02 | (9.6%) |
| 8th/[360,381) | 8.74 | 10.31 | 10.09 | 10.31 | 11.82 | 9.15 | 9.97 | 9.72 | 9.50 | 10.38 | (10.3%) |
| 9th/[381,409) | 10.71 | 10.36 | 9.08 | 10.74 | 9.08 | 10.29 | 9.15 | 10.29 | 9.91 | 10.39 | (10.2%) |
| 10th/[409,500] | 9.32 | 10.65 | 10.11 | 9.70 | 9.77 | 10.82 | 9.89 | 10.34 | 10.37 | 9.03 | (13.6%) |

*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