# Student Growth Percentile Goodness–of–Fit Descriptives
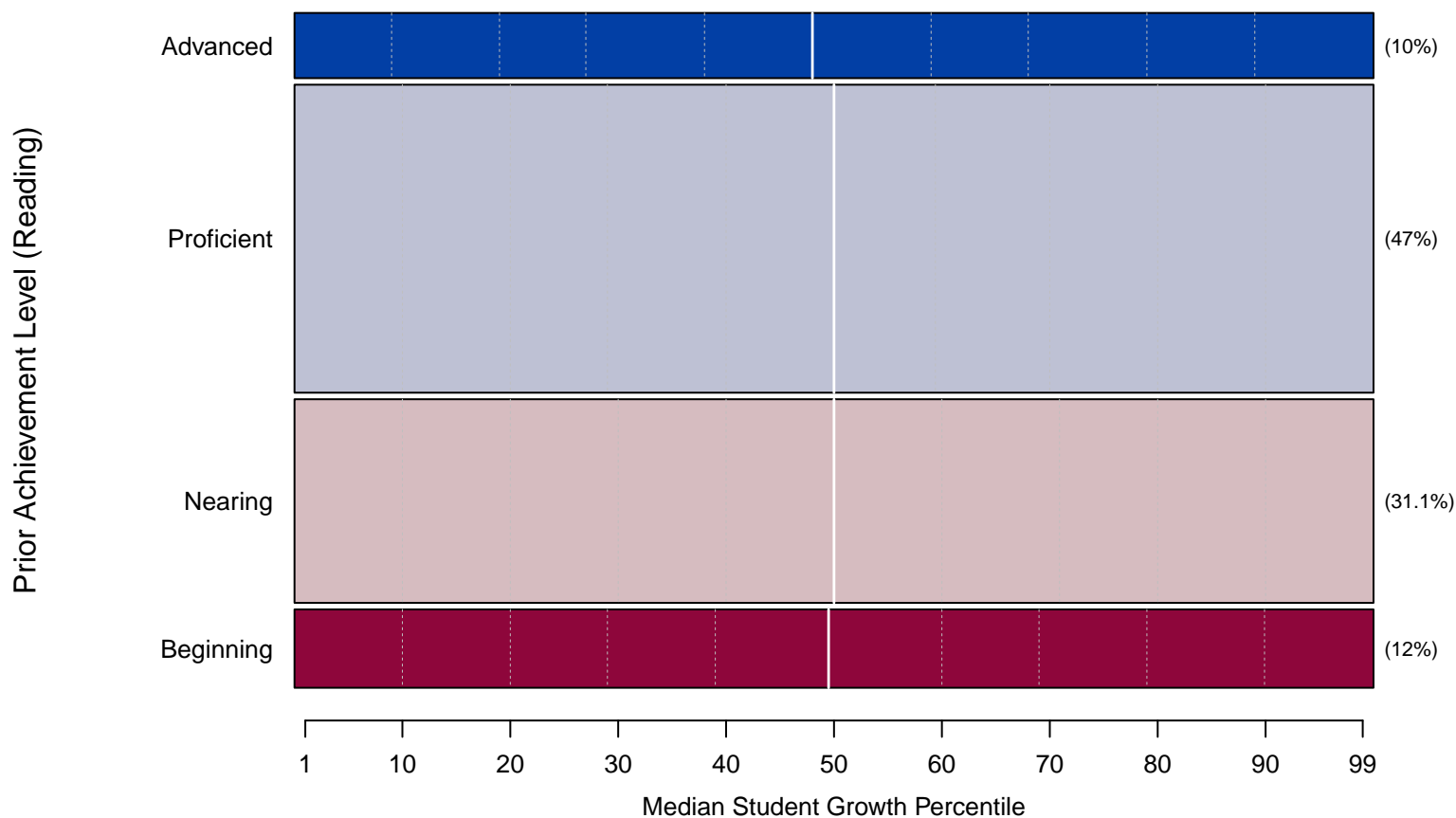## 2013 Reading SGP, Grade 6 (N = 4,531)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Reading)

- Advanced (10%)
- Proficient (47%)
- Nearing (31.1%)
- Beginning (12%)

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/[500,526) | 10.34 | 10.10 | 11.58 | 8.62 | 9.11 | 9.85 | 9.11 | 10.34 | 10.59 | 10.34 | (9%) |
| 2nd/[526,532) | 9.00 | 10.67 | 9.41 | 10.67 | 10.67 | 9.83 | 9.62 | 10.04 | 9.62 | 10.46 | (10.5%) |
| 3rd/[532,536) | 11.11 | 10.04 | 9.62 | 8.12 | 9.40 | 9.19 | 10.68 | 12.39 | 9.40 | 10.04 | (10.3%) |
| 4th/[536,539) | 8.11 | 8.78 | 10.59 | 12.16 | 9.91 | 12.16 | 10.14 | 7.21 | 10.14 | 10.81 | (9.8%) |
| 5th/[539,541) | 10.65 | 9.76 | 10.95 | 8.88 | 11.24 | 7.69 | 10.95 | 10.65 | 9.47 | 9.76 | (7.5%) |
| 6th/[541,543) | 10.66 | 10.66 | 10.66 | 7.61 | 9.39 | 8.88 | 8.88 | 10.15 | 11.68 | 11.42 | (8.7%) |
| 7th/[543,547) | 9.77 | 9.27 | 9.77 | 11.59 | 9.93 | 11.42 | 10.43 | 8.94 | 8.94 | 9.93 | (13.3%) |
| 8th/[547,549) | 10.26 | 9.56 | 9.79 | 11.19 | 9.56 | 8.62 | 10.02 | 9.79 | 9.56 | 11.66 | (9.5%) |
| 9th/[549,551) | 7.89 | 11.05 | 8.95 | 6.84 | 14.21 | 14.21 | 7.89 | 12.11 | 10.00 | 6.84 | (4.2%) |
| 10th/[551,574] | 10.13 | 10.26 | 10.51 | 9.62 | 9.10 | 9.74 | 9.87 | 9.87 | 10.38 | 10.51 | (17.2%) |

*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