# Student Growth Percentile Goodness–of–Fit Descriptives
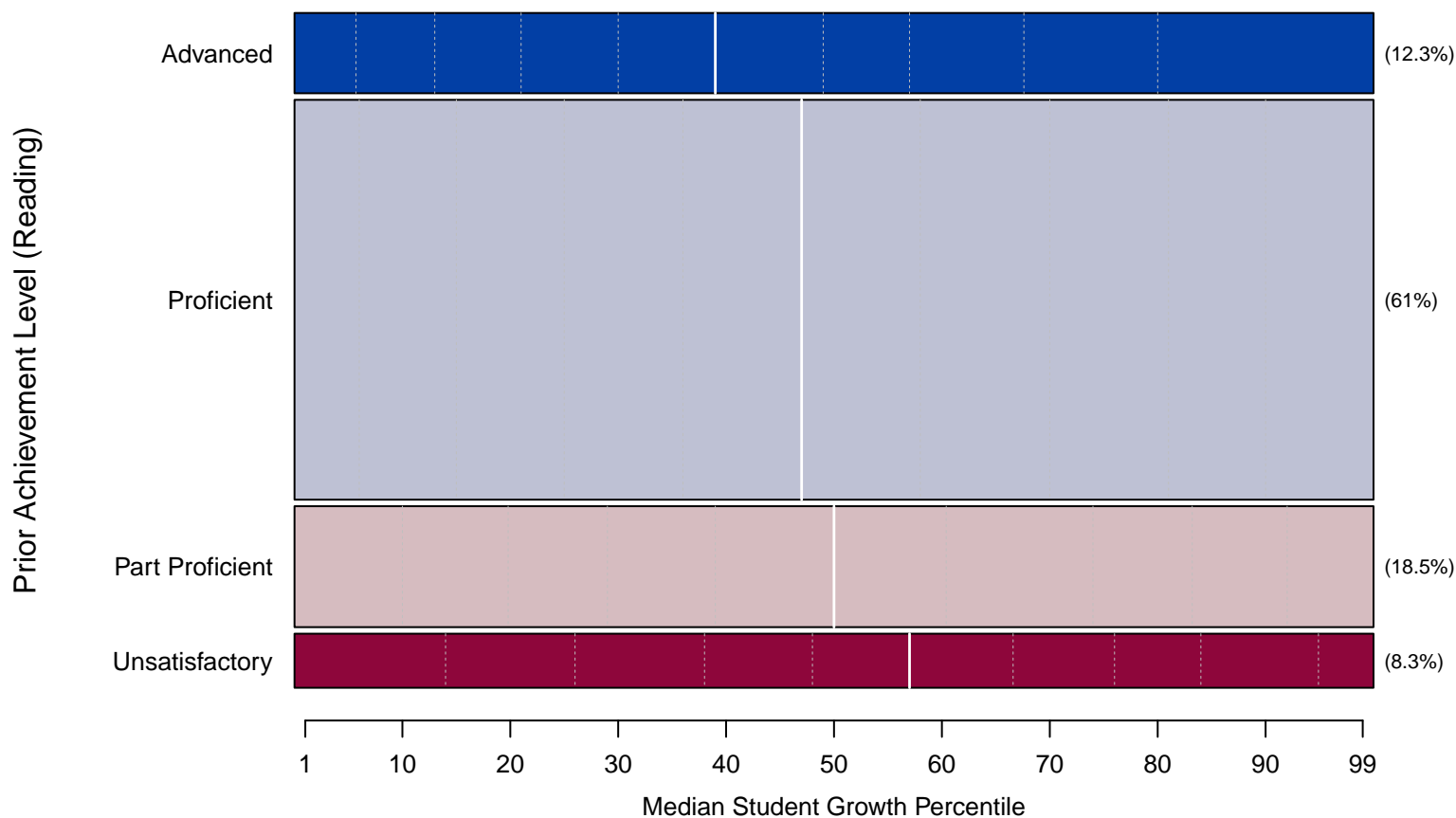
## 2010–2011 Reading SGP SIMEX, Grade 9 (N = 4,144)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Reading)

- Advanced (12.3%)
- Proficient (61%)
- Part Proficient (18.5%)
- Unsatisfactory (8.3%)

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/[330,587] | 7.28 | 6.55 | 9.95 | 8.50 | 11.17 | 9.95 | 9.95 | 11.65 | 10.44 | 14.56 | (9.9%) |
| 2nd/[587,619] | 9.69 | 10.41 | 10.17 | 10.65 | 7.99 | 8.96 | 8.23 | 10.41 | 10.65 | 12.83 | (10%) |
| 3rd/[619,637] | 10.25 | 11.75 | 9.50 | 8.50 | 7.75 | 11.25 | 6.75 | 10.00 | 9.00 | 15.25 | (9.7%) |
| 4th/[637,654] | 12.30 | 8.35 | 10.67 | 8.82 | 9.74 | 8.12 | 7.19 | 9.98 | 9.98 | 14.85 | (10.4%) |
| 5th/[654,668] | 13.33 | 10.86 | 7.16 | 9.63 | 9.14 | 7.65 | 8.40 | 9.14 | 11.85 | 12.84 | (9.8%) |
| 6th/[668,679] | 12.31 | 9.80 | 8.79 | 10.05 | 11.06 | 9.05 | 10.80 | 7.04 | 11.81 | 9.30 | (9.6%) |
| 7th/[679,692] | 14.01 | 13.04 | 9.66 | 7.97 | 8.21 | 9.18 | 9.90 | 7.73 | 10.87 | 9.42 | (10%) |
| 8th/[692,708] | 16.25 | 10.76 | 10.76 | 10.30 | 6.86 | 9.15 | 8.01 | 8.01 | 12.59 | 7.32 | (10.5%) |
| 9th/[708,729] | 17.32 | 9.27 | 11.46 | 6.83 | 9.76 | 10.24 | 7.07 | 10.73 | 8.05 | 9.27 | (9.9%) |
| 10th/[729,870] | 15.09 | 15.09 | 8.96 | 12.97 | 10.61 | 11.08 | 7.78 | 7.55 | 5.19 | 5.66 | (10.2%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution