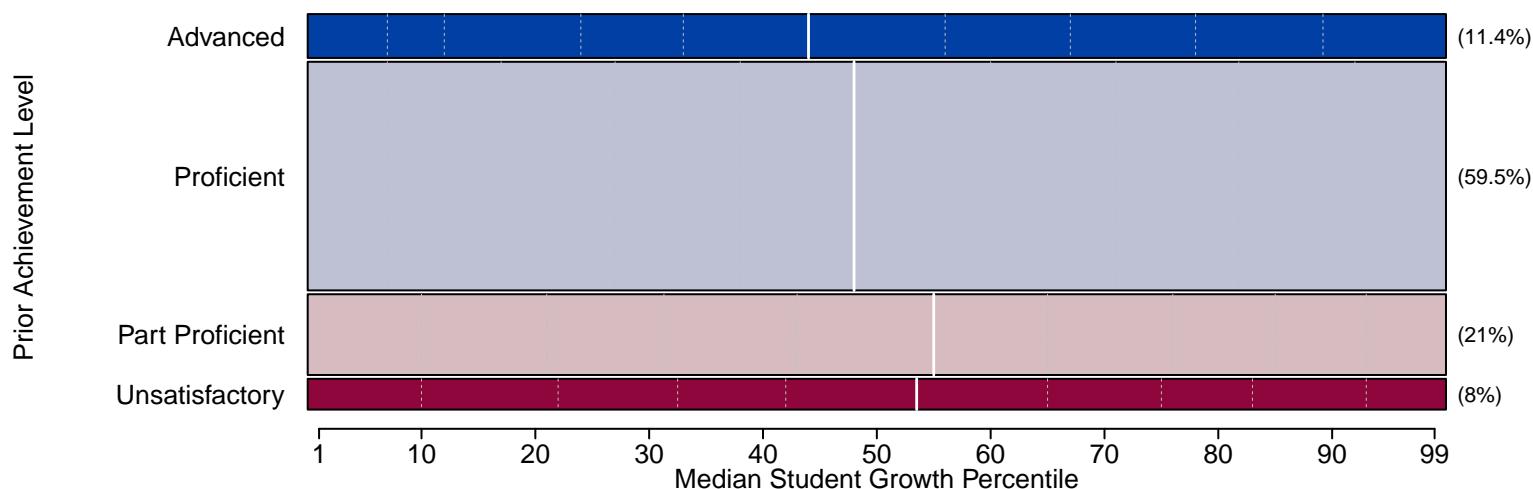# Student Growth Percentile Goodness–of–Fit Descriptives
## 2015–2016 Reading SGP SIMEX, Grade 9 (N = 4,194)

## SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level

| Level | Percentage |
|---|---|
| Advanced | (11.4%) |
| Proficient | (59.5%) |
| Part Proficient | (21%) |
| Unsatisfactory | (8%) |

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

## Ceiling / Floor Effects Test

### Student Growth Percentile Range

Current Observed Score Extremes (Range)

| | | 1 to 5 | 5 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 94 | 95 to 99 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lowest OSS: | [350,512] | 72.0 | 8.0 | 8.0 | 0.0 | 8.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 25 |
| | [512,530] | 56.0 | 12.0 | 12.0 | 16.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 25 |
| Highest OSS: | [780,792] | 0.0 | 0.0 | 8.0 | 4.0 | 4.0 | 0.0 | 8.0 | 8.0 | 4.0 | 24.0 | 24.0 | 16.0 | N = 25 |
| | [792,836] | 0.0 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 11.5 | 3.8 | 11.5 | 19.2 | 50.0 | N = 26 |

## Student Growth Percentile Range

Prior Scale Score Decile/Range*

| 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/[330,586) | 9.71 | 9.71 | 9.22 | 9.71 | 9.95 | 8.74 | 8.98 | 10.68 | 9.22 | 14.08 | (9.8%) |
| 2nd/[586,615) | 9.84 | 8.90 | 10.54 | 8.67 | 7.73 | 6.32 | 10.77 | 11.24 | 11.94 | 14.05 | (10.2%) |
| 3rd/[615,633) | 8.23 | 9.23 | 9.98 | 8.73 | 9.23 | 11.47 | 7.23 | 10.72 | 10.47 | 14.71 | (9.6%) |
| 4th/[633,649) | 13.50 | 11.44 | 8.92 | 8.24 | 8.47 | 5.95 | 8.47 | 11.67 | 10.76 | 12.59 | (10.4%) |
| 5th/[649,664) | 12.34 | 8.82 | 10.33 | 9.07 | 10.08 | 9.82 | 11.34 | 10.08 | 7.05 | 11.08 | (9.5%) |
| 6th/[664,677) | 13.06 | 9.50 | 10.21 | 10.45 | 9.98 | 7.60 | 7.36 | 8.55 | 11.40 | 11.88 | (10%) |
| 7th/[677,690) | 12.29 | 9.22 | 10.17 | 7.80 | 8.75 | 9.69 | 9.93 | 9.46 | 9.46 | 13.24 | (10.1%) |
| 8th/[690,706) | 13.89 | 10.42 | 8.10 | 10.88 | 9.03 | 8.10 | 9.26 | 9.26 | 9.49 | 11.57 | (10.3%) |
| 9th/[706,727) | 13.32 | 9.20 | 11.62 | 7.99 | 10.65 | 9.20 | 7.51 | 9.93 | 9.93 | 10.65 | (9.8%) |
| 10th/[727,838) | 12.99 | 12.99 | 11.37 | 7.42 | 9.98 | 7.89 | 11.37 | 7.19 | 8.58 | 10.21 | (10.3%) |

*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