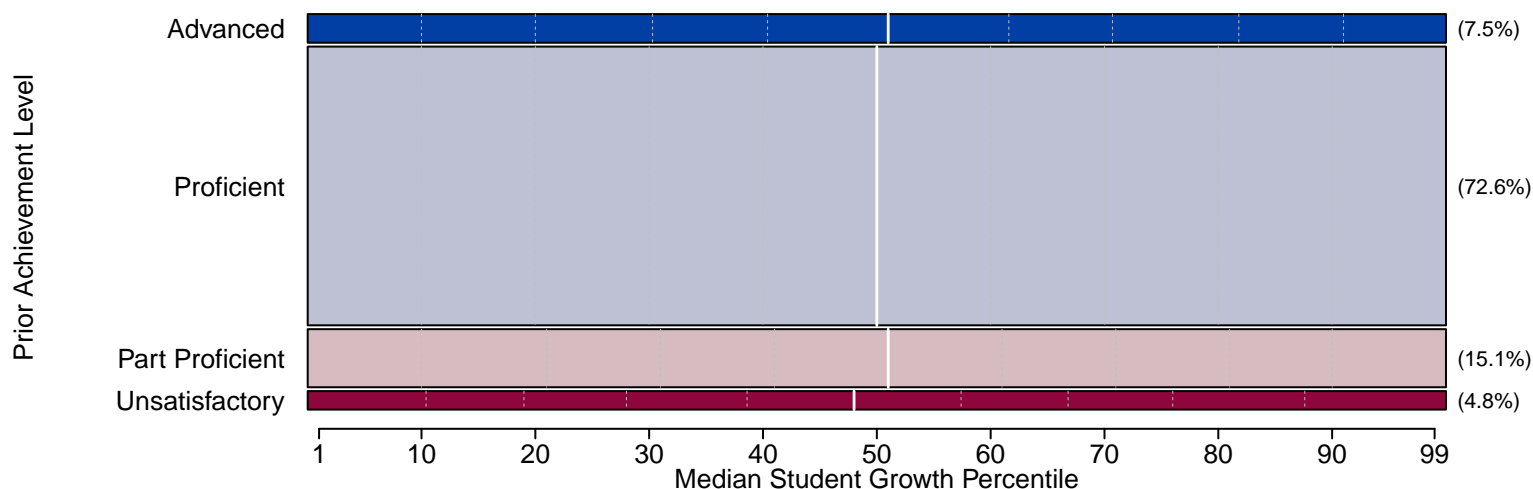# Student Growth Percentile Goodness–of–Fit Descriptives

## 2016–2017 Reading SGP, Grade 4 (N = 4,046)

### SGP Deciles by Prior Achievement Level (Reading)



Prior Achievement Level:
- Advanced (7.5%)
- Proficient (72.6%)
- Part Proficient (15.1%)
- Unsatisfactory (4.8%)

Median Student Growth Percentile

### Ceiling / Floor Effects Test

Current Observed Score Extremes (Range)

Student Growth Percentile 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: | [180,410) | 50.0 | 25.0 | 20.8 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 24 |
| | [410,445] | 37.0 | 3.7 | 18.5 | 25.9 | 11.1 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 27 |
| Highest OSS: | [713,728) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | 28.0 | 8.0 | 52.0 | N = 25 |
| | [728,791] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 12.0 | 84.0 | N = 25 |

### 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/[150,496) | 9.52 | 10.28 | 10.28 | 10.03 | 9.77 | 11.28 | 9.52 | 10.78 | 8.77 | 9.77 | (9.9%) |
| 2nd/[496,526) | 9.80 | 9.07 | 9.80 | 9.31 | 10.05 | 9.07 | 11.27 | 8.58 | 12.50 | 10.54 | (10.1%) |
| 3rd/[526,545) | 10.63 | 11.39 | 9.11 | 10.89 | 9.87 | 9.62 | 9.37 | 10.89 | 7.34 | 10.89 | (9.8%) |
| 4th/[545,561) | 8.35 | 9.58 | 10.57 | 9.83 | 9.58 | 10.32 | 9.09 | 10.81 | 12.04 | 9.83 | (10.1%) |
| 5th/[561,576) | 10.28 | 8.77 | 10.28 | 9.02 | 11.03 | 9.52 | 10.53 | 10.03 | 9.27 | 11.28 | (9.9%) |
| 6th/[576,590) | 8.54 | 10.49 | 10.73 | 11.71 | 8.05 | 12.44 | 9.27 | 8.78 | 10.49 | 9.51 | (10.1%) |
| 7th/[590,603) | 9.25 | 10.28 | 8.23 | 9.25 | 11.05 | 7.71 | 12.08 | 11.57 | 10.03 | 10.54 | (9.6%) |
| 8th/[603,620) | 10.96 | 10.02 | 10.96 | 10.49 | 10.72 | 9.32 | 7.93 | 8.39 | 9.32 | 11.89 | (10.6%) |
| 9th/[620,645) | 10.46 | 11.48 | 9.69 | 7.91 | 10.71 | 10.46 | 9.44 | 11.48 | 9.18 | 9.18 | (9.7%) |
| 10th/[645,795] | 8.37 | 8.85 | 10.05 | 11.48 | 8.85 | 10.53 | 11.24 | 9.33 | 10.77 | 10.53 | (10.3%) |

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

### QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution