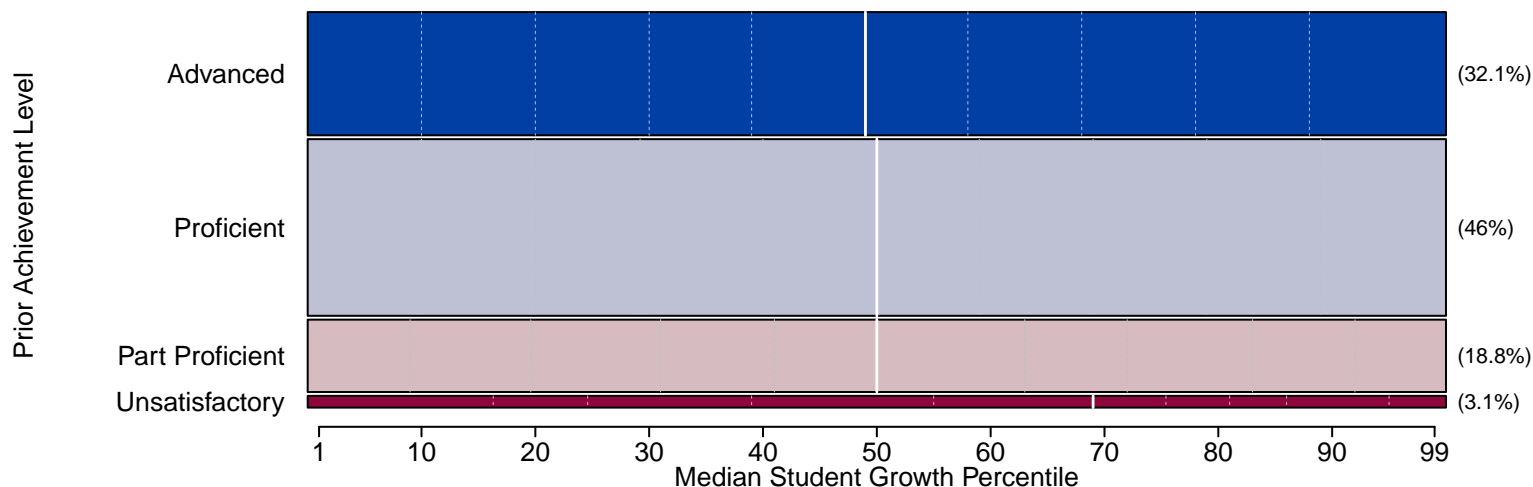


# Student Growth Percentile Goodness-of-Fit Descriptives

2015–2016 Mathematics SGP SIMEX Ranked, Grade 4 (N = 4,054)

## SGP Deciles by Prior Achievement Level (Mathematics)



## Ceiling / Floor Effects Test

|  |              | 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 |       |        |
| Current Observed Score<br>Extremes (Range) | Lowest OSS:  | [191,311]                       | 50.0   | 3.8      | 23.1     | 7.7      | 3.8      | 0.0      | 0.0      | 0.0      | 3.8      | 3.8      | 0.0      | 3.8   | N = 26 |
|  |              | [311,334]                       | 25.9   | 14.8     | 25.9     | 0.0      | 3.7      | 11.1     | 3.7      | 0.0      | 14.8     | 0.0      | 0.0      | 0.0   | N = 27 |
|  | Highest OSS: | [684,721]                       | 0.0    | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 14.3     | 28.6     | 57.1  | N = 21 |
|  |              | [721,780]                       | 0.0    | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 100.0 | N = 29 |

## Student Growth Percentile Range

| Prior Scale Score Decile/Range* | Student Growth Percentile 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/[150,381]                   | 7.67                            | 8.91     | 9.65     | 7.67     | 10.40    | 6.68     | 8.42     | 11.88    | 12.87    | 15.84    | (10%)   |
| 2nd/[381,414]                   | 11.39                           | 11.63    | 8.17     | 9.41     | 9.65     | 8.17     | 9.90     | 10.15    | 8.91     | 12.62    | (10%)   |
| 3rd/[414,437]                   | 7.89                            | 9.16     | 9.92     | 10.69    | 9.67     | 11.70    | 11.45    | 8.91     | 9.41     | 11.20    | (9.7%)  |
| 4th/[437,457]                   | 9.98                            | 9.98     | 10.93    | 8.31     | 8.79     | 10.45    | 9.74     | 11.40    | 9.50     | 10.93    | (10.4%) |
| 5th/[457,476]                   | 7.65                            | 10.82    | 11.61    | 10.82    | 11.61    | 9.76     | 9.23     | 7.92     | 9.76     | 10.82    | (9.3%)  |
| 6th/[476,495]                   | 10.74                           | 9.79     | 11.46    | 9.31     | 10.26    | 8.83     | 10.74    | 11.22    | 8.83     | 8.83     | (10.3%) |
| 7th/[495,515]                   | 9.88                            | 8.92     | 8.92     | 10.12    | 10.60    | 11.33    | 11.81    | 8.67     | 11.57    | 8.19     | (10.2%) |
| 8th/[515,538]                   | 9.90                            | 9.39     | 9.39     | 12.94    | 9.64     | 12.44    | 9.39     | 8.88     | 9.39     | 8.63     | (9.7%)  |
| 9th/[538,576]                   | 9.05                            | 11.49    | 9.29     | 11.49    | 9.78     | 10.76    | 9.29     | 11.00    | 9.05     | 8.80     | (10.1%) |
| 10th/[576,700]                  | 11.06                           | 9.62     | 10.10    | 9.62     | 9.62     | 10.34    | 9.38     | 10.58    | 9.86     | 9.86     | (10.3%) |

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

## QQ-Plot: Student Growth Percentiles

