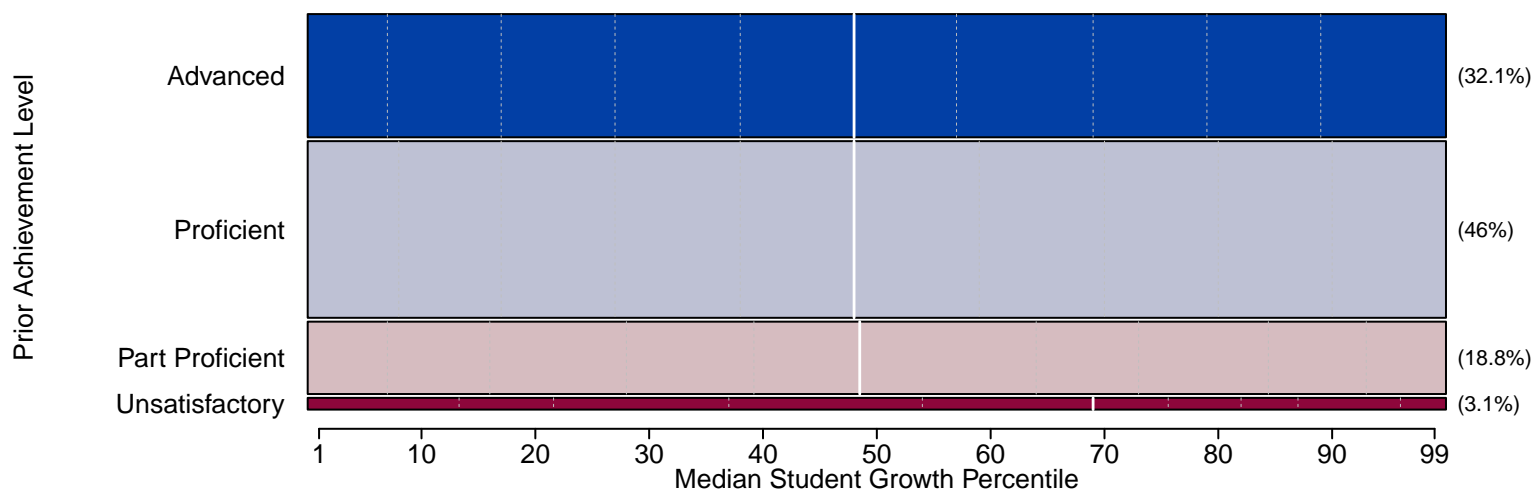


# Student Growth Percentile Goodness-of-Fit Descriptives

2015–2016 Mathematics SGP SIMEX, 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 Extremes (Range) | Lowest OSS:  | [191,311]                       | 50.0   | 7.7      | 23.1     | 3.8      | 3.8      | 0.0      | 0.0      | 0.0      | 3.8      | 3.8      | 0.0      | 3.8   | N = 26 |
|   |              | [311,334]                       | 37.0   | 18.5     | 11.1     | 0.0      | 3.7      | 11.1     | 3.7      | 0.0      | 11.1     | 3.7      | 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

|                                 |                | 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 |         |
|---------------------------------|----------------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| Prior Scale Score Decile/Range* | 1st/[150,381]  | 9.65   | 10.40    | 6.93     | 8.66     | 9.65     | 5.45     | 8.17     | 11.63    | 12.87    | 16.58    | (10%)   |
|                                 | 2nd/[381,414]  | 15.10  | 10.64    | 7.67     | 8.17     | 9.65     | 6.19     | 10.89    | 9.16     | 9.41     | 13.12    | (10%)   |
|                                 | 3rd/[414,437]  | 9.92   | 10.69    | 9.92     | 8.14     | 10.43    | 9.41     | 11.20    | 9.41     | 7.89     | 12.98    | (9.7%)  |
|                                 | 4th/[437,457]  | 12.83  | 12.59    | 7.84     | 6.41     | 9.50     | 9.26     | 8.55     | 11.40    | 9.26     | 12.35    | (10.4%) |
|                                 | 5th/[457,476]  | 9.23   | 13.19    | 10.03    | 10.55    | 10.03    | 9.23     | 7.12     | 9.23     | 10.03    | 11.35    | (9.3%)  |
|                                 | 6th/[476,495]  | 12.89  | 10.50    | 10.98    | 9.31     | 9.55     | 6.68     | 10.74    | 10.26    | 9.79     | 9.31     | (10.3%) |
|                                 | 7th/[495,515]  | 12.53  | 9.16     | 7.95     | 10.12    | 10.60    | 8.92     | 11.81    | 8.92     | 9.40     | 10.60    | (10.2%) |
|                                 | 8th/[515,538]  | 12.44  | 11.42    | 7.11     | 11.42    | 11.42    | 9.64     | 9.14     | 8.63     | 9.90     | 8.88     | (9.7%)  |
|                                 | 9th/[538,576]  | 12.22  | 10.51    | 8.80     | 11.00    | 10.27    | 8.56     | 9.29     | 10.27    | 9.78     | 9.29     | (10.1%) |
|                                 | 10th/[576,700] | 13.22  | 9.86     | 10.82    | 7.69     | 10.10    | 8.65     | 9.13     | 9.13     | 10.58    | 10.82    | (10.3%) |

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

## QQ-Plot: Student Growth Percentiles

