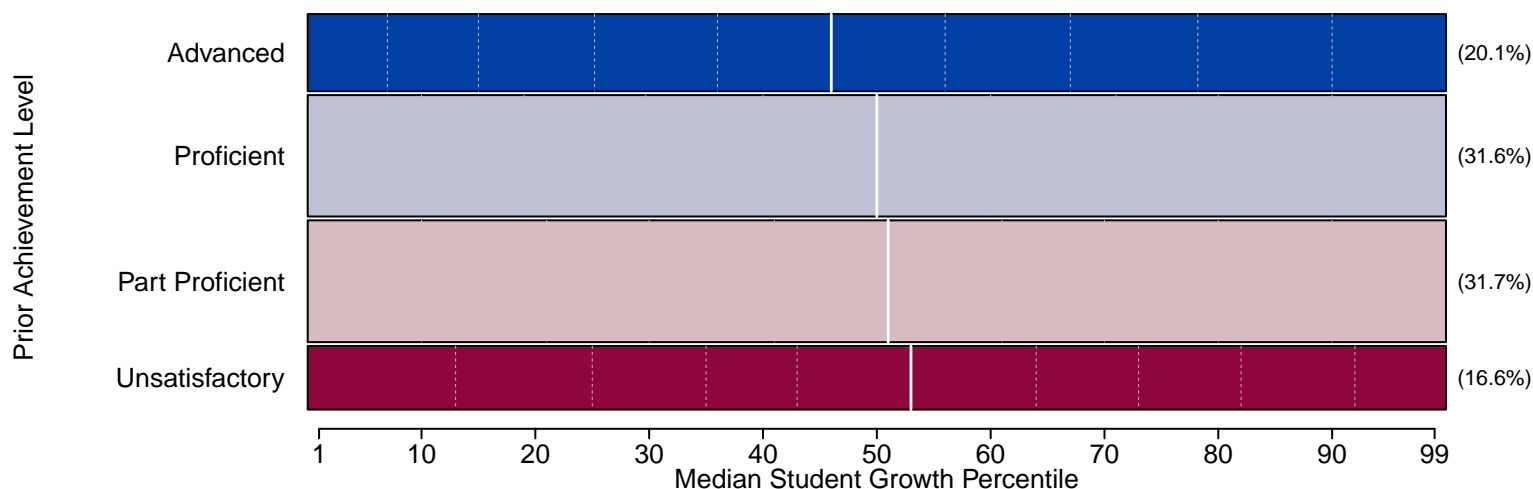


# Student Growth Percentile Goodness-of-Fit Descriptives

2015–2016 Mathematics SGP SIMEX Ranked, Grade 9 (N = 4,206)

## 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:  | [340,362]                       | 70.8   | 8.3    | 12.5     | 4.2      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 4.2      | N = 24 |
|   |              | [362,401]                       | 23.1   | 7.7    | 34.6     | 19.2     | 3.8      | 3.8      | 3.8      | 0.0      | 3.8      | 0.0      | 0.0      | 0.0      | N = 26 |
|   | Highest OSS: | [724,736]                       | 4.0    | 0.0    | 0.0      | 4.0      | 0.0      | 8.0      | 4.0      | 16.0     | 12.0     | 28.0     | 8.0      | 16.0     | N = 25 |
|   |              | [736,868]                       | 0.0    | 0.0    | 8.0      | 4.0      | 0.0      | 8.0      | 0.0      | 4.0      | 8.0      | 16.0     | 16.0     | 36.0     | N = 25 |

## 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/[310,500]  | 6.97   | 9.38     | 11.06    | 9.62     | 8.65     | 9.86     | 10.58    | 13.94    | 10.10    | 9.86     | (9.9%)  |
|                                 | 2nd/[500,529]  | 7.84   | 9.07     | 9.80     | 11.03    | 9.07     | 12.75    | 7.60     | 7.84     | 11.52    | 13.48    | (9.7%)  |
|                                 | 3rd/[529,548]  | 6.39   | 8.90     | 11.87    | 10.27    | 9.36     | 10.50    | 9.36     | 10.50    | 11.42    | 11.42    | (10.4%) |
|                                 | 4th/[548,564]  | 9.34   | 9.58     | 7.13     | 10.32    | 11.55    | 9.09     | 11.55    | 10.07    | 10.32    | 11.06    | (9.7%)  |
|                                 | 5th/[564,579]  | 12.29  | 8.35     | 10.07    | 9.34     | 7.86     | 14.00    | 9.34     | 13.02    | 7.37     | 8.35     | (9.7%)  |
|                                 | 6th/[579,594]  | 6.90   | 10.71    | 8.33     | 8.33     | 11.67    | 11.43    | 9.05     | 9.29     | 11.43    | 12.86    | (10%)   |
|                                 | 7th/[594,610]  | 10.63  | 12.44    | 10.41    | 9.73     | 7.47     | 8.60     | 8.14     | 11.76    | 11.31    | 9.50     | (10.5%) |
|                                 | 8th/[610,628]  | 10.17  | 10.64    | 9.93     | 8.98     | 11.58    | 9.22     | 10.87    | 9.69     | 9.22     | 9.69     | (10.1%) |
|                                 | 9th/[628,650]  | 13.45  | 9.54     | 9.54     | 9.78     | 9.29     | 9.05     | 9.05     | 8.80     | 9.29     | 12.22    | (9.7%)  |
|                                 | 10th/[650,791] | 13.07  | 12.16    | 9.63     | 9.63     | 12.84    | 6.19     | 12.39    | 7.80     | 7.80     | 8.49     | (10.4%) |

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

## QQ-Plot: Student Growth Percentiles

