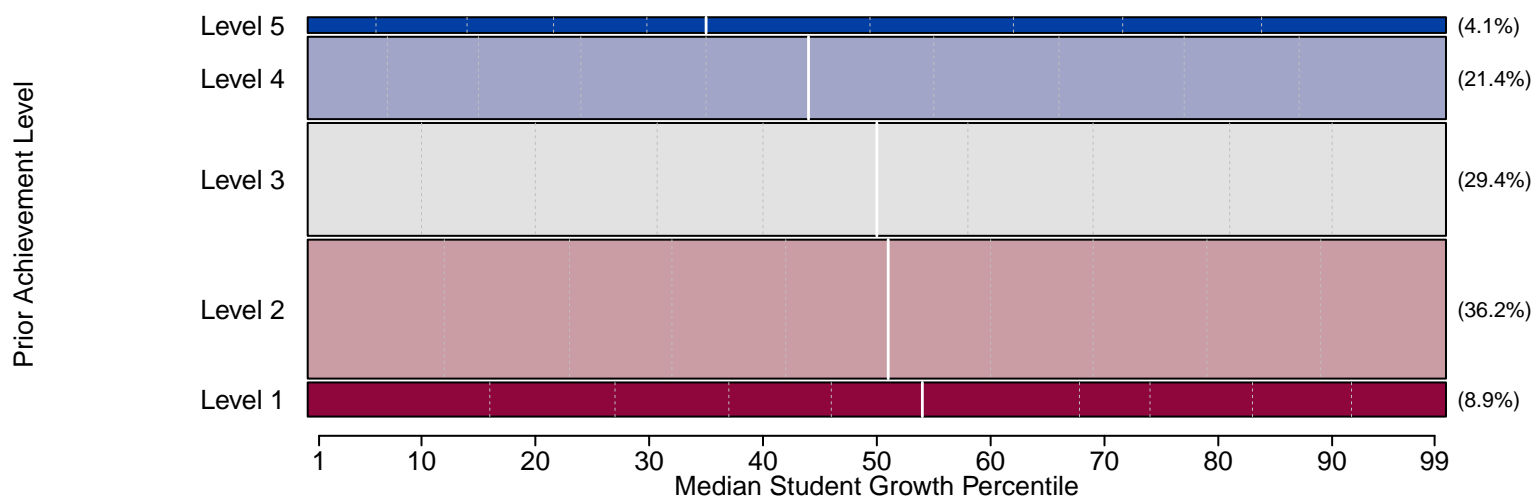


# Student Growth Percentile Goodness-of-Fit Descriptives

2018–2019.1 Algebra II SGP SIMEX Ranked, Grade EOCT (N = 2,518)

## SGP Deciles by Prior Achievement Level (Geometry)



## 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: [-15,-2.132]   | 94.7                            | 5.3    | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | N = 19 |
|                                         | [-2.132,-2.107]            | 74.2                            | 22.6   | 3.2      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | N = 31 |
|                                         | Highest OSS: [2.843,3.385] | 0.0                             | 0.0    | 4.3      | 0.0      | 8.7      | 8.7      | 8.7      | 17.4     | 21.7     | 8.7      | 17.4     | 4.3      | N = 23 |
|                                         | [3.385,5.071]              | 3.3                             | 0.0    | 0.0      | 3.3      | 3.3      | 3.3      | 6.7      | 13.3     | 10.0     | 26.7     | 6.7      | 23.3     | N = 30 |

## Student Growth Percentile Range

| Prior 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/[-3.1,-1.3]           | 5.36                            | 6.25     | 10.27    | 11.61    | 11.61    | 8.48     | 7.59     | 13.84    | 12.95    | 12.05    | (8.9%)  |
| 2nd/[-1.3,-0.97]          | 8.56                            | 9.01     | 13.96    | 7.21     | 11.26    | 10.36    | 11.26    | 8.56     | 8.56     | 11.26    | (8.8%)  |
| 3rd/[-0.97,-0.65]         | 8.36                            | 6.35     | 10.37    | 12.04    | 9.03     | 12.04    | 10.03    | 12.71    | 11.04    | 8.03     | (11.9%) |
| 4th/[-0.65,-0.5]          | 8.26                            | 7.34     | 11.47    | 8.26     | 10.09    | 13.76    | 10.09    | 9.17     | 12.39    | 9.17     | (8.7%)  |
| 5th/[-0.5,-0.16]          | 9.15                            | 8.14     | 10.51    | 10.17    | 10.51    | 10.51    | 11.86    | 8.81     | 9.83     | 10.51    | (11.7%) |
| 6th/[-0.16,0.13]          | 8.98                            | 8.98     | 8.98     | 11.02    | 9.80     | 11.84    | 9.39     | 6.94     | 11.02    | 13.06    | (9.7%)  |
| 7th/[0.13,0.47]           | 11.24                           | 10.85    | 11.24    | 9.69     | 8.14     | 12.02    | 9.30     | 10.08    | 8.14     | 9.30     | (10.2%) |
| 8th/[0.47,0.87]           | 10.64                           | 11.91    | 10.21    | 11.49    | 14.47    | 8.51     | 7.66     | 8.94     | 8.09     | 8.09     | (9.3%)  |
| 9th/[0.87,1.4]            | 12.78                           | 17.67    | 7.89     | 8.65     | 9.77     | 6.77     | 11.28    | 9.77     | 8.27     | 7.14     | (10.6%) |
| 10th/[1.4,3.5]            | 11.72                           | 11.72    | 8.98     | 12.50    | 8.98     | 9.77     | 8.98     | 9.77     | 8.98     | 8.59     | (10.2%) |

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

## QQ-Plot: Student Growth Percentiles

