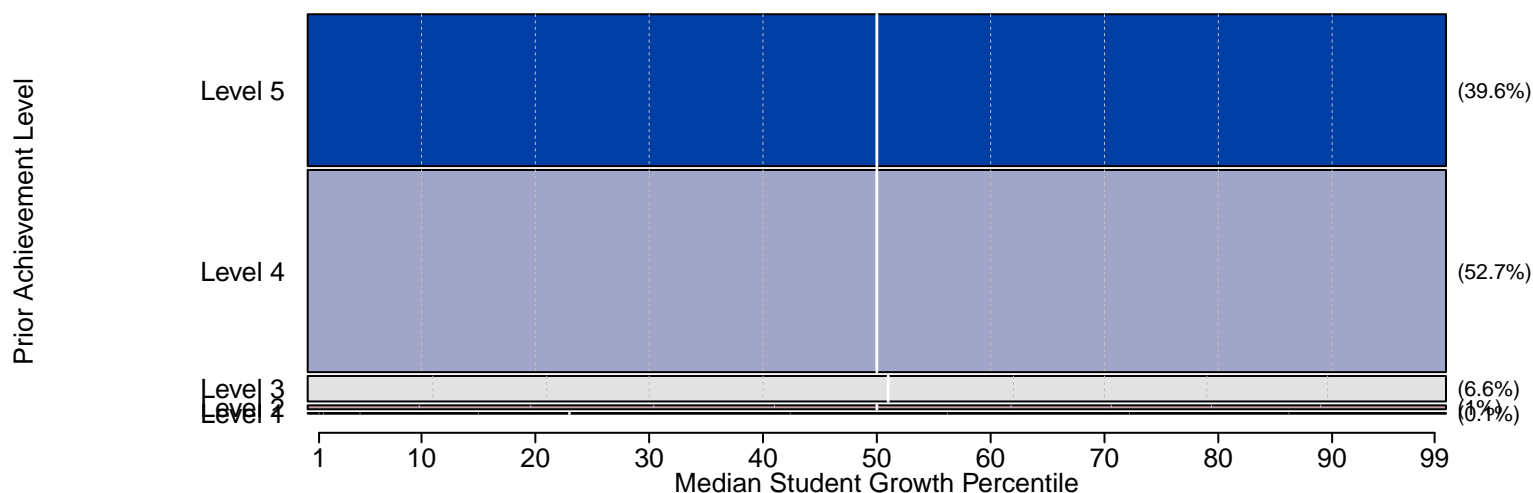# Student Growth Percentile Goodness–of–Fit Descriptives
## 2016–2017.2 Algebra I SS SGP, Grade EOCT (N = 13,479)

## SGP Deciles by Prior Achievement Level (Mathematics SS)



Prior Achievement Level:
- Level 5 (39.6%)
- Level 4 (52.7%)
- Level 3 (6.6%)
- Level 2 (0.?%)
- Level 1 (0.?%)

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: | [650,682] | 95.7 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 23 |
| | [682,695] | 55.6 | 22.2 | 18.5 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 27 |
| Highest OSS: | [ 850 ] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 1.8 | 9.5 | 18.1 | 16.7 | 51.1 | N = 221 |

## 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/[650,753) | 9.15 | 9.75 | 10.20 | 10.28 | 9.30 | 9.07 | 11.11 | 10.51 | 10.51 | 10.13 | (9.8%) |
| 2nd/[753,763) | 10.75 | 10.25 | 9.27 | 9.68 | 9.93 | 11.48 | 9.52 | 8.61 | 9.68 | 10.83 | (9%) |
| 3rd/[763,770) | 10.00 | 10.31 | 11.37 | 9.31 | 10.99 | 9.01 | 8.32 | 9.77 | 9.47 | 11.45 | (9.7%) |
| 4th/[770,777) | 9.39 | 10.25 | 8.60 | 10.18 | 10.82 | 9.75 | 10.47 | 9.82 | 10.32 | 10.39 | (10.3%) |
| 5th/[777,782) | 9.01 | 9.01 | 10.88 | 10.88 | 8.39 | 10.33 | 9.95 | 11.27 | 9.71 | 10.57 | (9.5%) |
| 6th/[782,787) | 8.76 | 10.17 | 10.39 | 11.43 | 9.35 | 8.98 | 10.39 | 9.95 | 10.54 | 10.02 | (10%) |
| 7th/[787,794) | 10.42 | 9.58 | 10.36 | 8.99 | 9.71 | 10.16 | 9.90 | 10.16 | 10.29 | 10.42 | (11.4%) |
| 8th/[794,800) | 8.04 | 9.67 | 10.07 | 9.99 | 10.07 | 10.24 | 12.10 | 9.83 | 9.10 | 10.89 | (9.1%) |
| 9th/[800,811) | 10.35 | 11.14 | 8.76 | 9.33 | 10.42 | 10.49 | 9.91 | 9.41 | 9.99 | 10.20 | (10.3%) |
| 10th/[811,850] | 9.72 | 9.52 | 10.69 | 10.00 | 9.79 | 9.86 | 9.17 | 10.28 | 10.21 | 10.76 | (10.8%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution