# Student Growth Percentile Goodness–of–Fit Descriptives
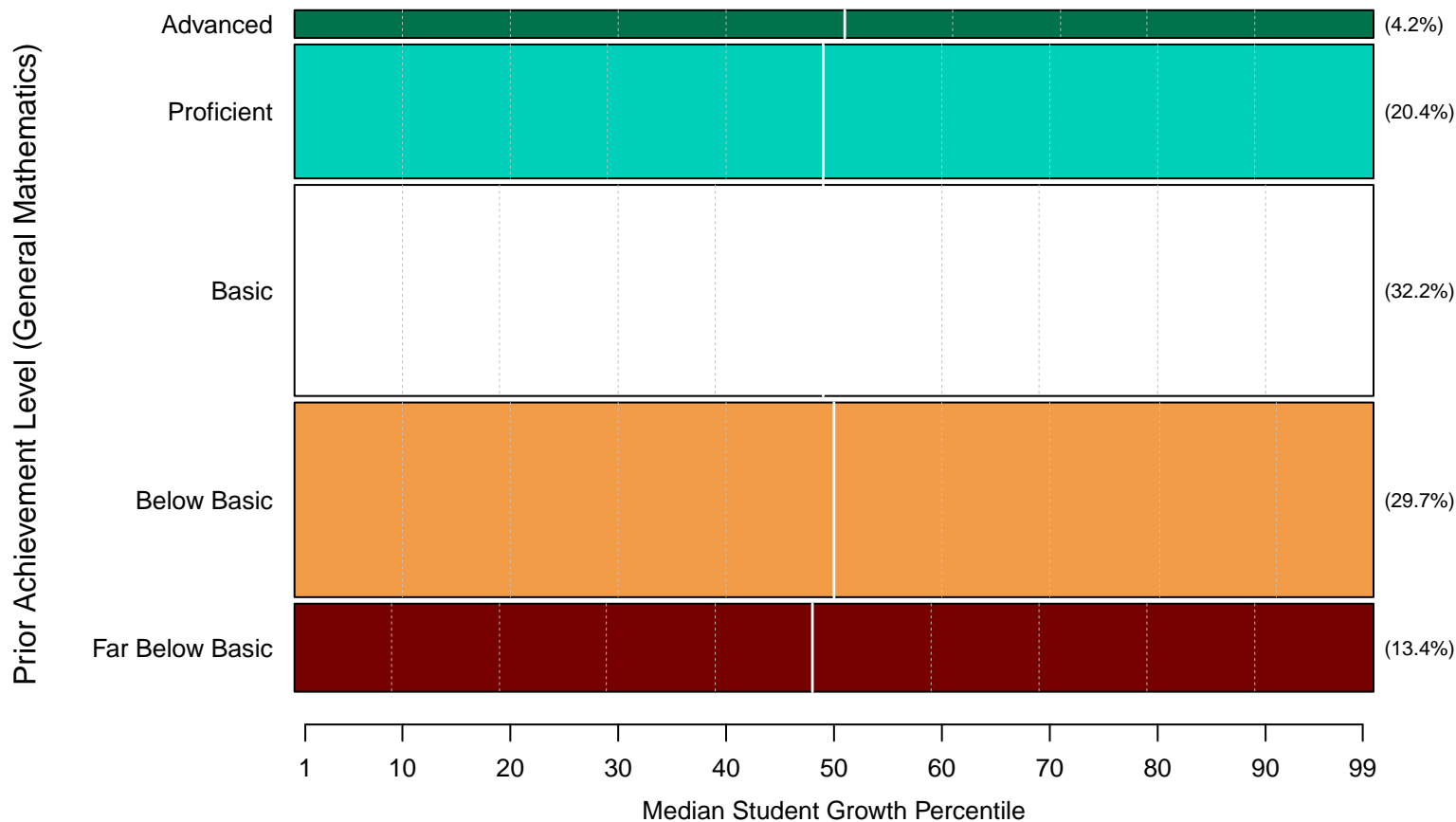
## 2012 Algebra I SGP, Grade EOCT (N = 9,782)

### SGP Deciles by Prior Achievement Level

Prior Achievement Level (General Mathematics)

| | |
|---|---|
| Advanced | (4.2%) |
| Proficient | (20.4%) |
| Basic | (32.2%) |
| Below Basic | (29.7%) |
| Far Below Basic | (13.4%) |

Median Student Growth Percentile: 1  10  20  30  40  50  60  70  80  90  99

### 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/[173,248) | 10.68 | 9.59 | 9.95 | 10.92 | 10.07 | 9.59 | 7.89 | 11.17 | 10.32 | 9.83 | (8.4%) |
| 2nd/[248,267) | 9.39 | 10.25 | 11.01 | 8.16 | 12.62 | 9.87 | 9.77 | 8.25 | 9.58 | 11.10 | (10.8%) |
| 3rd/[267,280) | 11.15 | 10.16 | 7.32 | 12.79 | 7.43 | 10.93 | 11.26 | 9.95 | 9.62 | 9.40 | (9.4%) |
| 4th/[280,292) | 10.07 | 9.38 | 12.96 | 9.61 | 10.07 | 9.14 | 9.72 | 8.91 | 9.61 | 10.53 | (8.8%) |
| 5th/[292,309) | 8.84 | 10.46 | 10.63 | 7.74 | 11.65 | 8.84 | 10.29 | 10.88 | 10.54 | 10.12 | (12%) |
| 6th/[309,321) | 9.19 | 9.68 | 10.54 | 12.62 | 7.84 | 12.75 | 9.80 | 7.84 | 10.42 | 9.31 | (8.3%) |
| 7th/[321,338) | 10.70 | 10.90 | 7.73 | 10.90 | 9.51 | 9.51 | 10.60 | 9.42 | 9.81 | 10.90 | (10.3%) |
| 8th/[338,360) | 8.17 | 10.18 | 10.18 | 11.15 | 9.48 | 9.48 | 9.92 | 9.83 | 9.92 | 11.68 | (11.6%) |
| 9th/[360,384) | 11.09 | 10.02 | 10.23 | 9.06 | 9.91 | 9.28 | 10.66 | 11.09 | 9.28 | 9.38 | (9.6%) |
| 10th/[384,573] | 9.46 | 9.84 | 9.84 | 10.12 | 10.41 | 10.51 | 9.93 | 9.46 | 10.32 | 10.12 | (10.7%) |

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

### QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0  10  20  30  40  50  60  70  80  90  100

Empirical SGP Distribution: 0  10  20  30  40  50  60  70  80  90  100