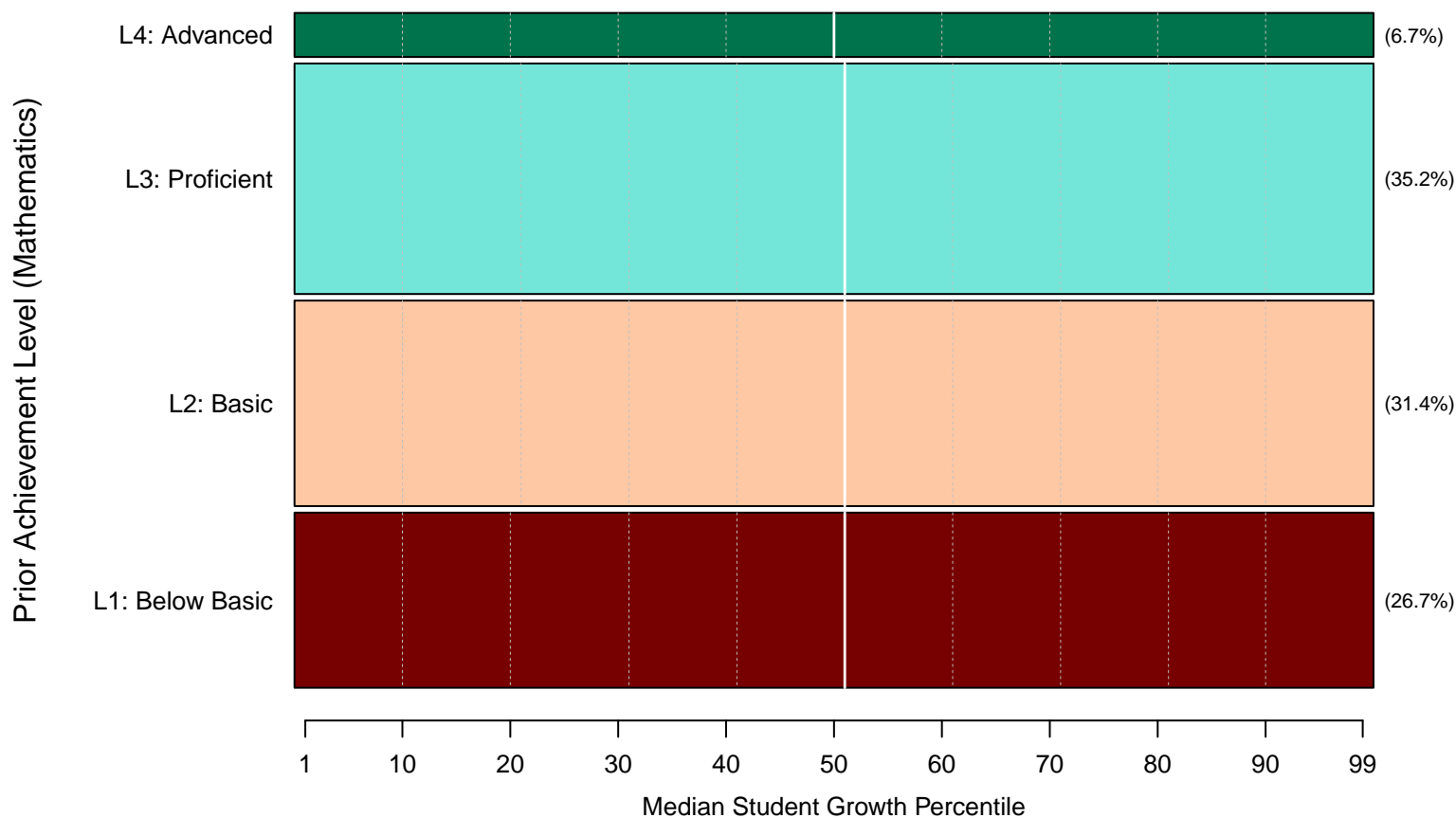# Student Growth Percentile Goodness–of–Fit Descriptives
## 2010–2011 Eoc Mathematics 1 SGP, Grade EOCT (N = 36,400)

## SGP Deciles by Prior Achievement Level

**Prior Achievement Level (Mathematics)**

| Level | Percent |
|---|---|
| L4: Advanced | (6.7%) |
| L3: Proficient | (35.2%) |
| L2: Basic | (31.4%) |
| L1: Below Basic | (26.7%) |

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/[200,347) | 9.70 | 10.19 | 10.09 | 10.02 | 9.53 | 9.40 | 10.32 | 9.92 | 10.19 | 10.65 | (8.4%) |
| 2nd/[347,362) | 9.63 | 10.35 | 9.37 | 9.68 | 9.26 | 10.30 | 10.49 | 10.24 | 9.85 | 10.83 | (9.8%) |
| 3rd/[362,375) | 8.61 | 9.57 | 9.57 | 9.45 | 10.61 | 9.90 | 9.32 | 10.41 | 11.35 | 11.22 | (8.5%) |
| 4th/[375,380) | 10.13 | 9.26 | 9.87 | 10.32 | 10.69 | 9.09 | 9.76 | 10.04 | 10.24 | 10.60 | (9.8%) |
| 5th/[380,388) | 8.85 | 9.97 | 9.73 | 10.15 | 9.81 | 11.17 | 9.81 | 10.18 | 9.53 | 10.80 | (10.6%) |
| 6th/[388,400) | 8.85 | 9.80 | 10.02 | 9.60 | 9.25 | 9.85 | 10.82 | 10.44 | 10.12 | 11.27 | (11%) |
| 7th/[400,405) | 9.30 | 10.06 | 10.46 | 10.17 | 9.67 | 9.77 | 10.30 | 9.88 | 9.72 | 10.67 | (10.5%) |
| 8th/[405,413) | 9.21 | 9.23 | 9.90 | 9.70 | 10.36 | 10.10 | 9.52 | 9.78 | 11.08 | 11.13 | (9.5%) |
| 9th/[413,426) | 8.98 | 9.51 | 10.12 | 9.88 | 9.83 | 10.15 | 9.88 | 10.81 | 9.93 | 10.91 | (10.4%) |
| 10th/[426,575) | 9.61 | 9.89 | 9.65 | 10.01 | 9.46 | 10.06 | 10.06 | 9.96 | 10.39 | 10.89 | (11.5%) |

*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