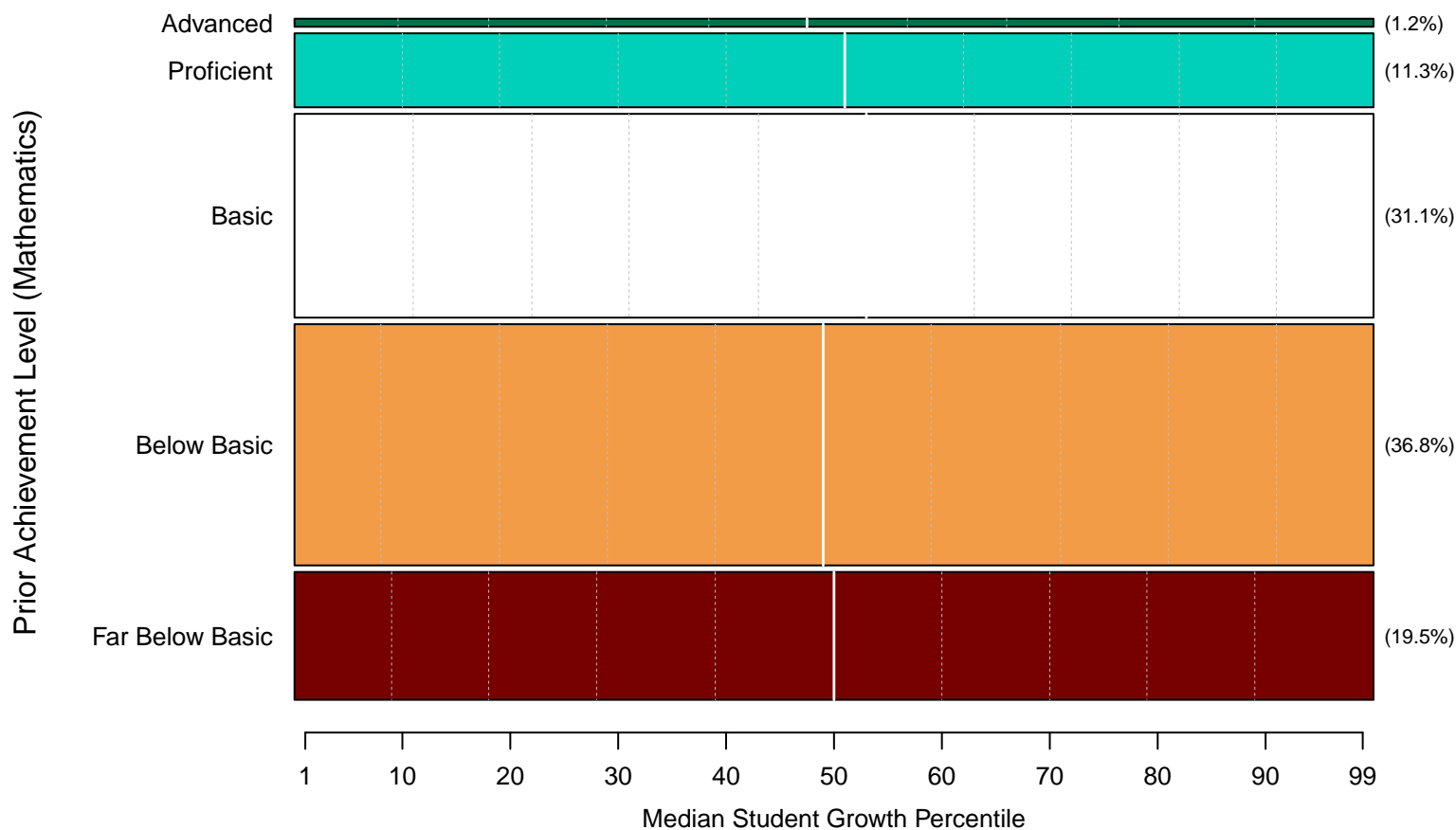# Student Growth Percentile Goodness–of–Fit Descriptives

## 2011 General Mathematics SGP, Grade EOCT (N = 11,695)

### SGP Deciles by Prior Achievement Level



**Prior Achievement Level (Mathematics)**

- Advanced (1.2%)
- Proficient (11.3%)
- Basic (31.1%)
- Below Basic (36.8%)
- Far Below Basic (19.5%)

Median Student Growth Percentile

### 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/[150,243) | 11.21 | 11.31 | 7.91 | 11.11 | 8.61 | 9.81 | 11.21 | 9.01 | 10.31 | 9.51 | (8.5%) |
| 2nd/[243,259) | 10.59 | 9.74 | 9.58 | 10.05 | 8.41 | 8.72 | 11.53 | 11.29 | 9.89 | 10.20 | (11%) |
| 3rd/[259,269) | 13.67 | 9.08 | 13.15 | 8.25 | 11.69 | 8.66 | 7.52 | 8.35 | 8.98 | 10.65 | (8.2%) |
| 4th/[269,278) | 9.50 | 11.20 | 10.50 | 8.80 | 9.90 | 8.40 | 8.00 | 11.50 | 12.00 | 10.20 | (8.6%) |
| 5th/[278,291) | 9.87 | 10.14 | 10.49 | 9.39 | 10.77 | 8.56 | 10.49 | 10.49 | 9.04 | 10.77 | (12.4%) |
| 6th/[291,304) | 9.08 | 9.40 | 7.44 | 11.12 | 10.81 | 10.34 | 9.24 | 9.87 | 9.48 | 13.23 | (10.9%) |
| 7th/[304,317) | 9.55 | 9.55 | 12.15 | 8.81 | 10.20 | 7.33 | 10.30 | 8.63 | 12.15 | 11.32 | (9.2%) |
| 8th/[317,334) | 9.26 | 8.21 | 9.50 | 9.26 | 7.25 | 13.20 | 10.55 | 10.23 | 11.19 | 11.35 | (10.6%) |
| 9th/[334,355) | 7.90 | 10.30 | 9.24 | 9.59 | 8.70 | 8.44 | 12.34 | 11.01 | 11.37 | 11.10 | (9.6%) |
| 10th/[355,584] | 9.98 | 11.00 | 9.05 | 9.75 | 9.52 | 9.28 | 9.75 | 9.83 | 10.22 | 11.62 | (11%) |

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

### QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution