# Student Growth Percentile Goodness–of–Fit Descriptives
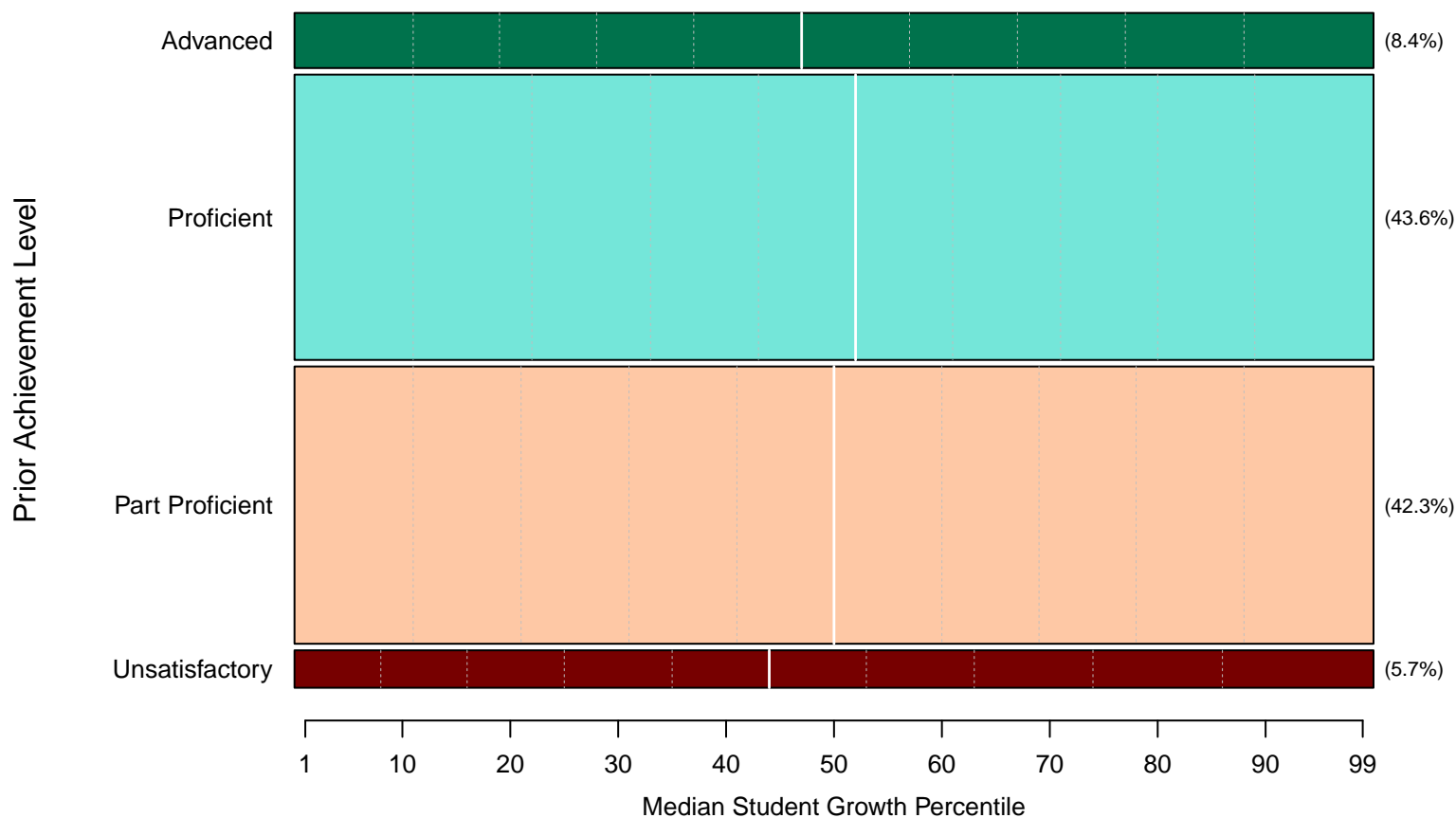## 2012 Writing SGP, Grade 4 (N = 58,175)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level:
- Advanced (8.4%)
- Proficient (43.6%)
- Part Proficient (42.3%)
- Unsatisfactory (5.7%)

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/[150,408) | 10.74 | 11.69 | 10.05 | 10.50 | 10.70 | 10.29 | 10.36 | 9.30 | 9.01 | 7.37 | (10%) |
| 2nd/[408,428) | 8.41 | 10.10 | 9.92 | 10.40 | 10.46 | 10.10 | 11.18 | 10.84 | 10.73 | 7.87 | (9.6%) |
| 3rd/[428,443) | 8.83 | 10.24 | 9.29 | 10.55 | 10.36 | 10.84 | 10.16 | 11.51 | 9.77 | 8.45 | (10.1%) |
| 4th/[443,455) | 8.66 | 9.76 | 10.52 | 10.33 | 10.61 | 9.46 | 11.12 | 10.36 | 10.20 | 8.97 | (9.7%) |
| 5th/[455,467) | 8.43 | 8.43 | 9.98 | 10.18 | 10.34 | 11.07 | 11.36 | 10.26 | 10.99 | 8.96 | (10.6%) |
| 6th/[467,478) | 7.74 | 9.45 | 9.84 | 10.43 | 10.18 | 11.10 | 10.41 | 10.62 | 10.69 | 9.54 | (9.7%) |
| 7th/[478,490) | 8.82 | 9.61 | 9.23 | 8.51 | 10.54 | 10.59 | 10.84 | 11.54 | 10.42 | 9.89 | (9.8%) |
| 8th/[490,505) | 8.26 | 8.93 | 9.36 | 9.71 | 11.00 | 10.86 | 10.74 | 11.13 | 10.29 | 9.71 | (10.2%) |
| 9th/[505,526) | 8.31 | 8.80 | 9.77 | 9.99 | 10.39 | 9.74 | 10.49 | 11.67 | 10.84 | 9.99 | (10.3%) |
| 10th/[526,680] | 8.66 | 11.02 | 11.19 | 10.48 | 10.92 | 9.78 | 10.48 | 9.59 | 9.61 | 8.27 | (10.1%) |

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

## QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution



Empirical SGP Distribution