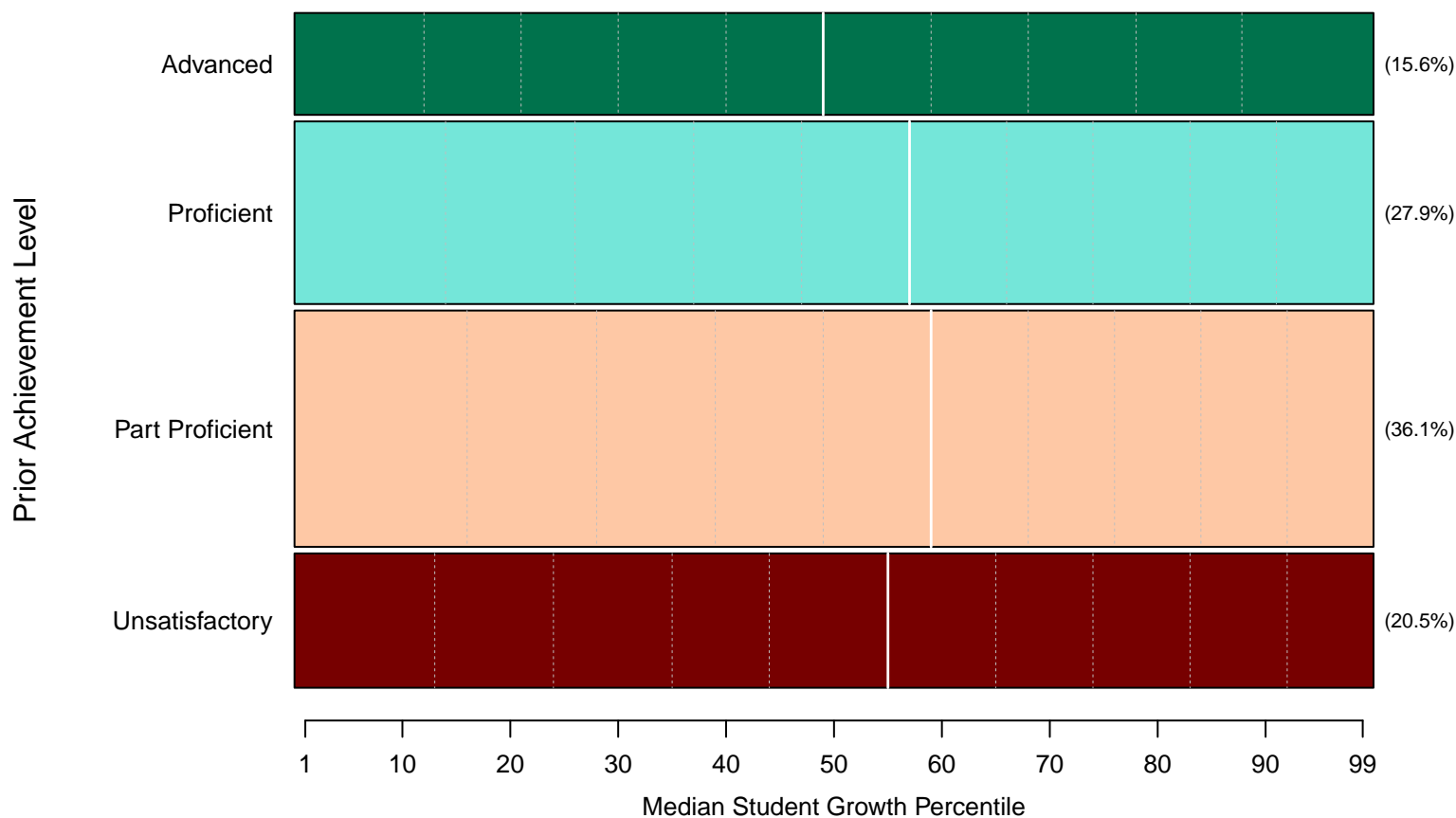# Student Growth Percentile Goodness–of–Fit Descriptives

## 2005 Mathematics SGP, Grade 8 (N = 52,743)

## SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Advanced (15.6%)
- Proficient (27.9%)
- Part Proficient (36.1%)
- Unsatisfactory (20.5%)

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/[280,449] | 7.54 | 9.54 | 9.62 | 10.57 | 10.05 | 9.96 | 9.69 | 11.44 | 10.38 | 11.21 | (10%) |
| 2nd/[449,485] | 7.07 | 7.76 | 7.80 | 10.07 | 10.40 | 10.05 | 10.36 | 11.76 | 11.80 | 12.94 | (9.8%) |
| 3rd/[485,509] | 6.81 | 6.72 | 7.79 | 9.70 | 10.03 | 10.71 | 10.84 | 12.52 | 11.75 | 13.13 | (10%) |
| 4th/[509,529] | 5.95 | 6.98 | 7.83 | 9.07 | 9.31 | 10.74 | 12.07 | 11.49 | 12.77 | 13.78 | (10.1%) |
| 5th/[529,547] | 5.64 | 6.80 | 8.80 | 9.05 | 9.51 | 10.42 | 11.51 | 11.97 | 12.77 | 13.54 | (9.8%) |
| 6th/[547,565] | 5.28 | 6.94 | 8.13 | 9.79 | 9.71 | 10.77 | 11.74 | 12.00 | 12.71 | 12.93 | (10.2%) |
| 7th/[565,583] | 5.79 | 7.74 | 8.49 | 9.81 | 9.96 | 9.83 | 11.27 | 11.66 | 12.47 | 12.96 | (10%) |
| 8th/[583,603] | 6.44 | 8.52 | 9.13 | 9.50 | 10.15 | 10.81 | 11.59 | 10.98 | 11.00 | 11.88 | (9.9%) |
| 9th/[603,629] | 7.11 | 8.83 | 9.47 | 10.27 | 10.32 | 11.02 | 11.31 | 10.83 | 11.31 | 9.53 | (10%) |
| 10th/[629,860] | 8.58 | 10.73 | 11.42 | 11.01 | 10.80 | 10.26 | 10.32 | 9.96 | 9.59 | 7.31 | (10.2%) |

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

## QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution