# Student Growth Percentile Goodness–of–Fit Descriptives
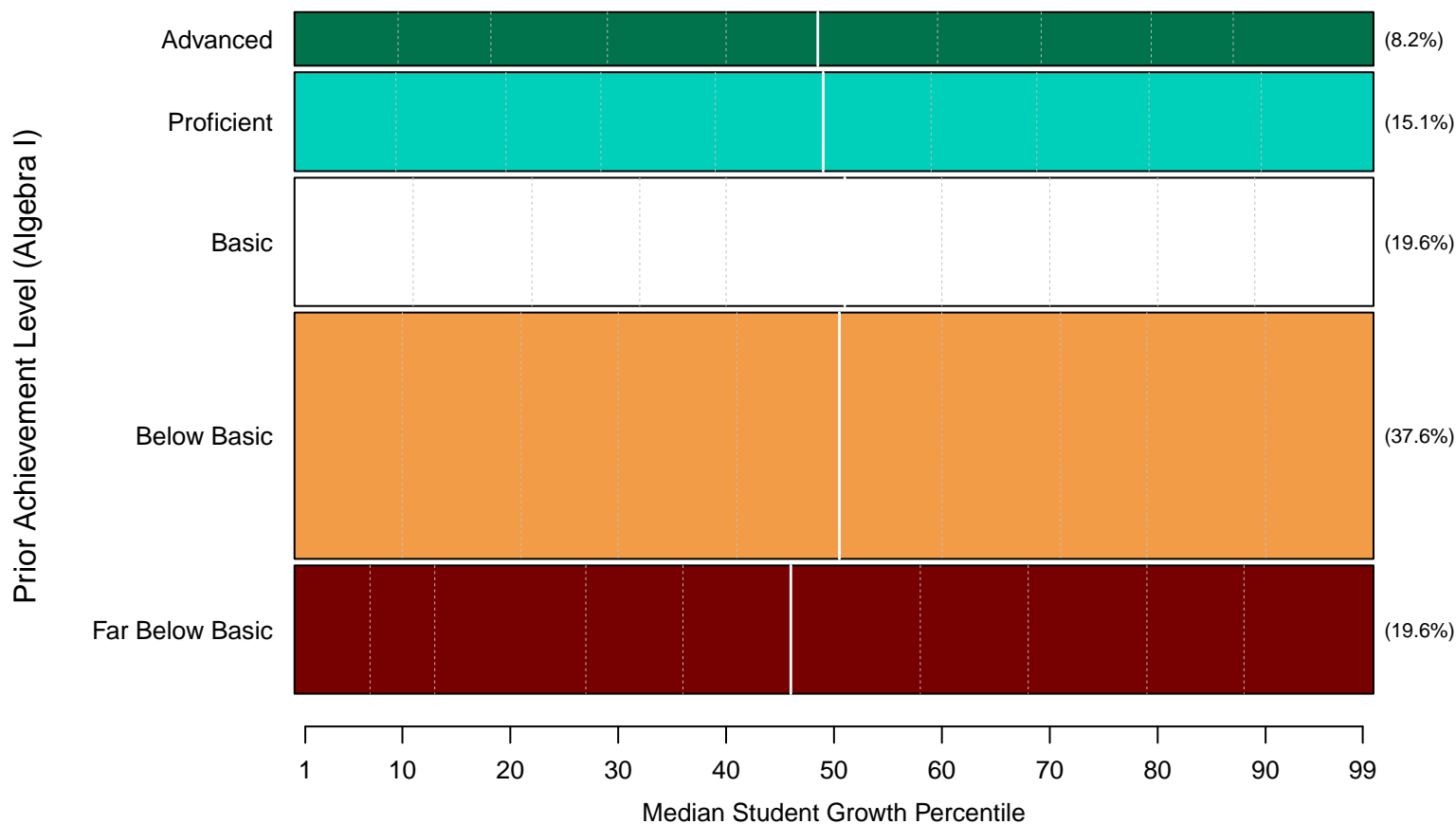
## 2010 Physics SGP, Grade EOCT (N = 1,027)

## SGP Deciles by Prior Achievement Level



Prior Achievement Level (Algebra I) — Median Student Growth Percentile

- Advanced (8.2%)
- Proficient (15.1%)
- Basic (19.6%)
- Below Basic (37.6%)
- Far Below Basic (19.6%)

## 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/[150,240) | 8.75 | 11.25 | 8.75 | 11.25 | 8.75 | 13.75 | 8.75 | 11.25 | 7.50 | 10.00 | (7.8%) |
| 2nd/[240,258) | 14.88 | 11.57 | 9.09 | 12.40 | 6.61 | 7.44 | 10.74 | 7.44 | 11.57 | 8.26 | (11.8%) |
| 3rd/[258,264) | 3.17 | 6.35 | 12.70 | 3.17 | 15.87 | 15.87 | 11.11 | 14.29 | 6.35 | 11.11 | (6.1%) |
| 4th/[264,279) | 7.04 | 9.15 | 9.86 | 14.08 | 10.56 | 8.45 | 9.15 | 9.15 | 9.86 | 12.68 | (13.8%) |
| 5th/[279,290) | 12.36 | 10.11 | 12.36 | 8.99 | 8.99 | 10.11 | 6.74 | 10.11 | 15.73 | 4.49 | (8.7%) |
| 6th/[290,309) | 11.67 | 12.50 | 5.83 | 9.17 | 5.83 | 13.33 | 11.67 | 10.83 | 6.67 | 12.50 | (11.7%) |
| 7th/[309,328) | 10.53 | 8.42 | 12.63 | 7.37 | 12.63 | 7.37 | 10.53 | 11.58 | 10.53 | 8.42 | (9.3%) |
| 8th/[328,361) | 10.48 | 8.57 | 8.57 | 14.29 | 11.43 | 10.48 | 7.62 | 9.52 | 7.62 | 11.43 | (10.2%) |
| 9th/[361,410) | 10.10 | 8.08 | 12.12 | 10.10 | 8.08 | 8.08 | 10.10 | 11.11 | 12.12 | 10.10 | (9.6%) |
| 10th/[410,600] | 10.62 | 10.62 | 9.73 | 7.08 | 12.39 | 10.62 | 10.62 | 8.85 | 9.73 | 9.73 | (11%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution — Empirical SGP Distribution