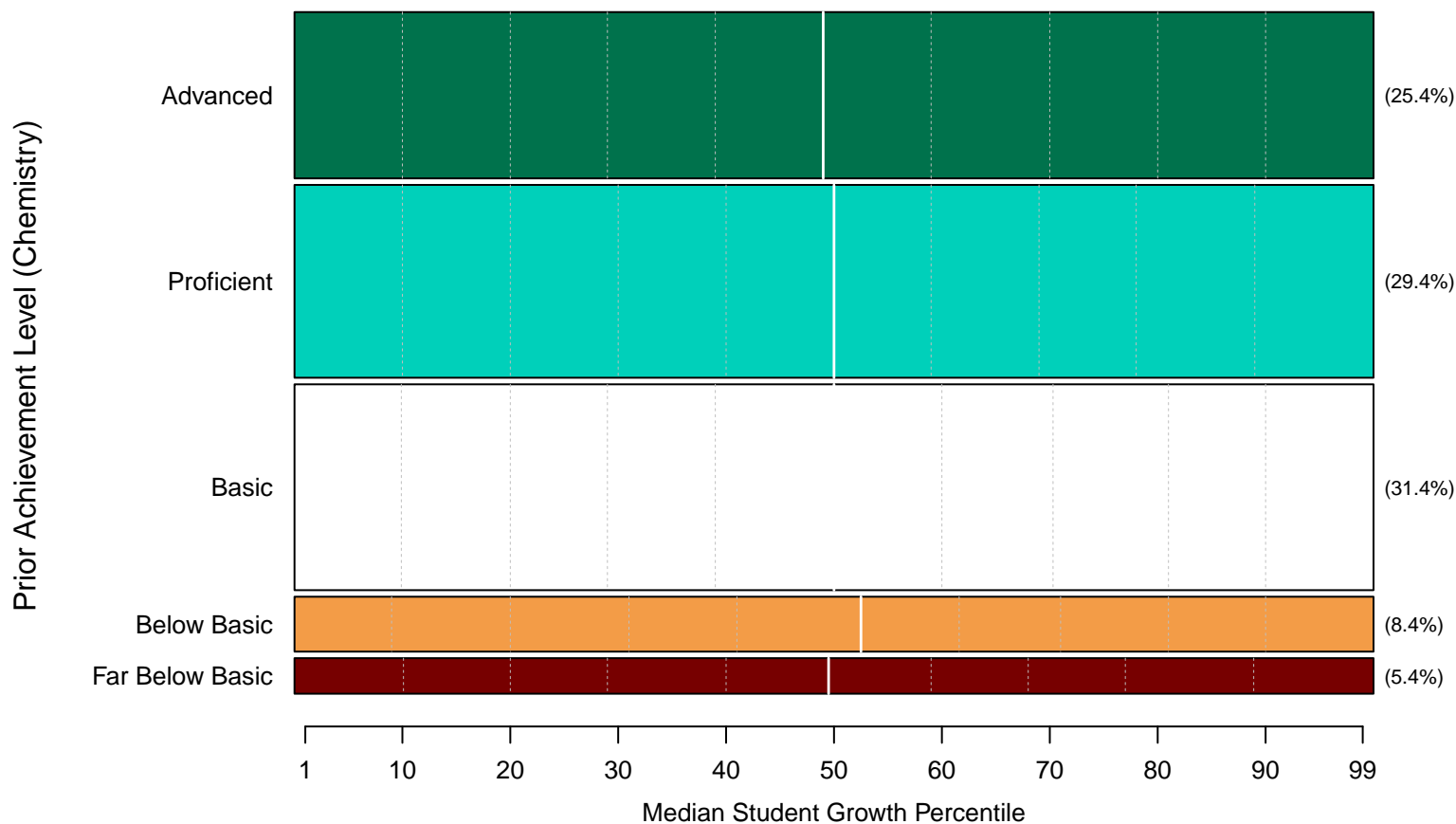# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Physics SGP, Grade EOCT (N = 3,725)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Chemistry)

- Advanced (25.4%)
- Proficient (29.4%)
- Basic (31.4%)
- Below Basic (8.4%)
- Far Below Basic (5.4%)

Median Student Growth Percentile

1 10 20 30 40 50 60 70 80 90 99

Student Growth Percentile Range

Prior Scale Score Decile/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/[217,291]	10.64	10.64	9.80	9.52	10.92	8.96	10.08	9.24	10.36	9.80	(9.6%)
2nd/[291,310]	10.19	10.72	9.65	9.38	10.19	11.26	8.31	10.72	9.65	9.92	(10%)
3rd/[310,325]	7.35	7.03	12.14	11.50	9.58	9.90	12.78	8.63	9.90	11.18	(8.4%)
4th/[325,343]	9.70	10.45	9.20	9.95	8.71	9.95	10.20	10.20	10.95	10.70	(10.8%)
5th/[343,357]	11.43	9.35	8.83	10.13	10.91	10.39	8.31	11.95	9.09	9.61	(10.3%)
6th/[357,369]	9.00	12.25	10.75	11.50	9.50	9.50	9.50	8.75	9.25	10.00	(10.7%)
7th/[369,383]	9.25	8.54	9.96	7.83	11.03	9.96	12.46	10.32	8.90	11.74	(7.5%)
8th/[383,402]	8.89	10.86	10.12	9.38	7.90	11.36	10.12	10.12	12.84	8.40	(10.9%)
9th/[402,425]	11.42	9.75	10.03	9.19	10.86	8.64	8.91	8.91	10.03	12.26	(9.6%)
10th/[425,600]	9.78	9.33	10.44	10.67	10.89	9.56	10.44	10.00	9.33	9.56	(12.1%)

*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