Student Growth Percentile Goodness–of–Fit Descriptives
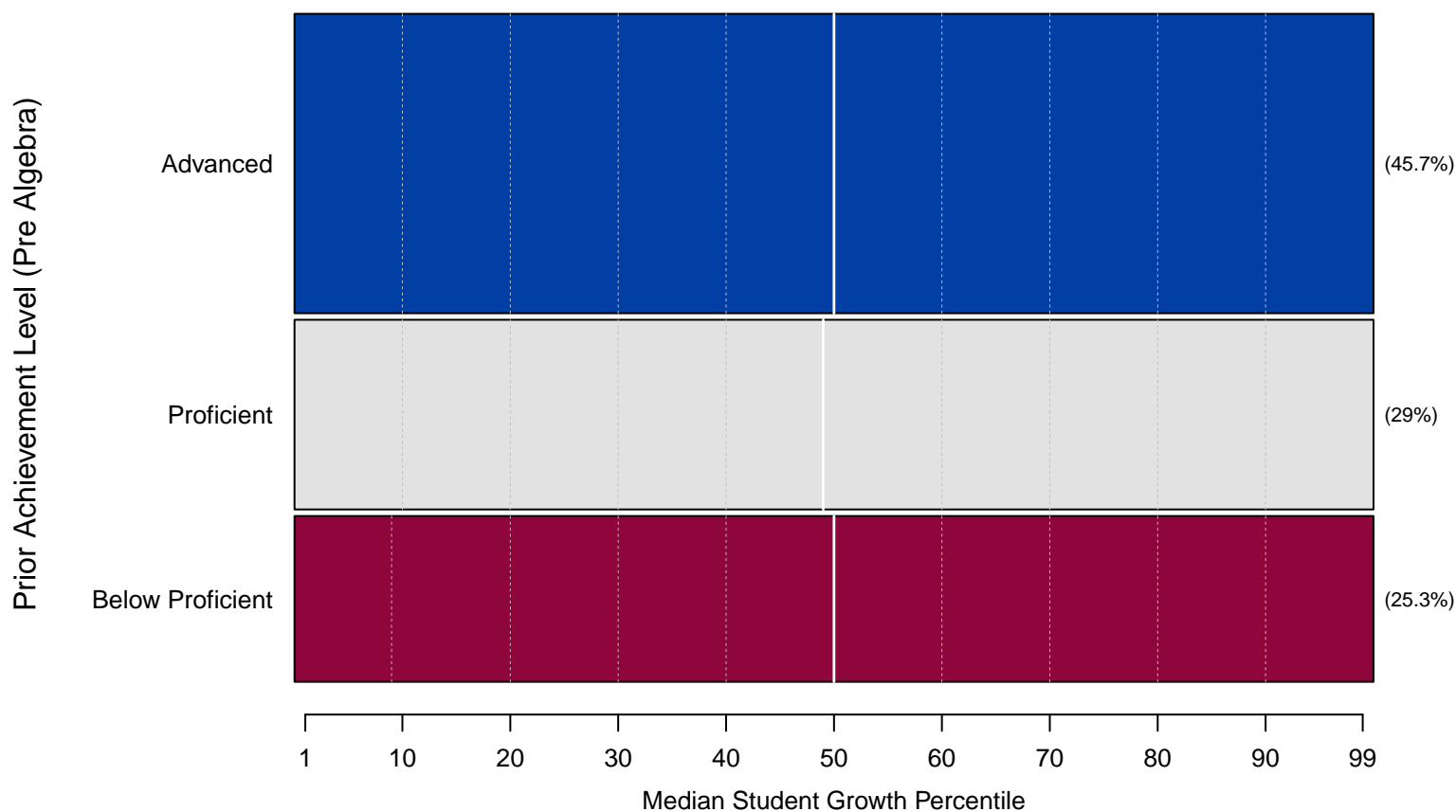
2014 Sec Math II SGP, Grade EOCT (N = 16,597)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Pre Algebra):
- Advanced (45.7%)
- Proficient (29%)
- Below Proficient (25.3%)

X-axis: 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/[130,153]	12.68	8.15	9.07	10.11	9.62	10.29	9.93	10.05	9.68	10.42	(9.8%)
2nd/[153,157]	9.79	9.13	10.77	9.87	9.87	9.29	9.95	10.03	10.20	11.10	(7.3%)
3rd/[157,161]	8.04	11.86	8.87	10.14	10.92	9.98	10.81	9.53	10.42	9.42	(10.9%)
4th/[161,163]	9.80	10.69	10.50	10.38	9.36	10.18	8.91	10.18	9.29	10.69	(9.5%)
5th/[163,167]	10.14	8.04	10.19	9.46	10.14	9.70	10.09	10.24	10.68	11.32	(12.3%)
6th/[167,169]	9.61	10.18	9.93	9.42	11.27	10.18	10.18	10.82	8.85	9.55	(9.5%)
7th/[169,172]	8.89	10.70	9.79	11.06	8.77	10.52	10.04	9.01	10.46	10.76	(10%)
8th/[172,176]	10.06	11.06	10.00	9.35	9.94	9.53	9.24	9.41	10.47	10.94	(10.2%)
9th/[176,181]	8.91	9.23	9.70	9.96	10.75	10.22	10.55	11.15	9.43	10.09	(9.1%)
10th/[181,199]	9.83	9.88	10.52	10.31	9.57	10.04	9.83	9.73	9.94	10.36	(11.4%)

*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)