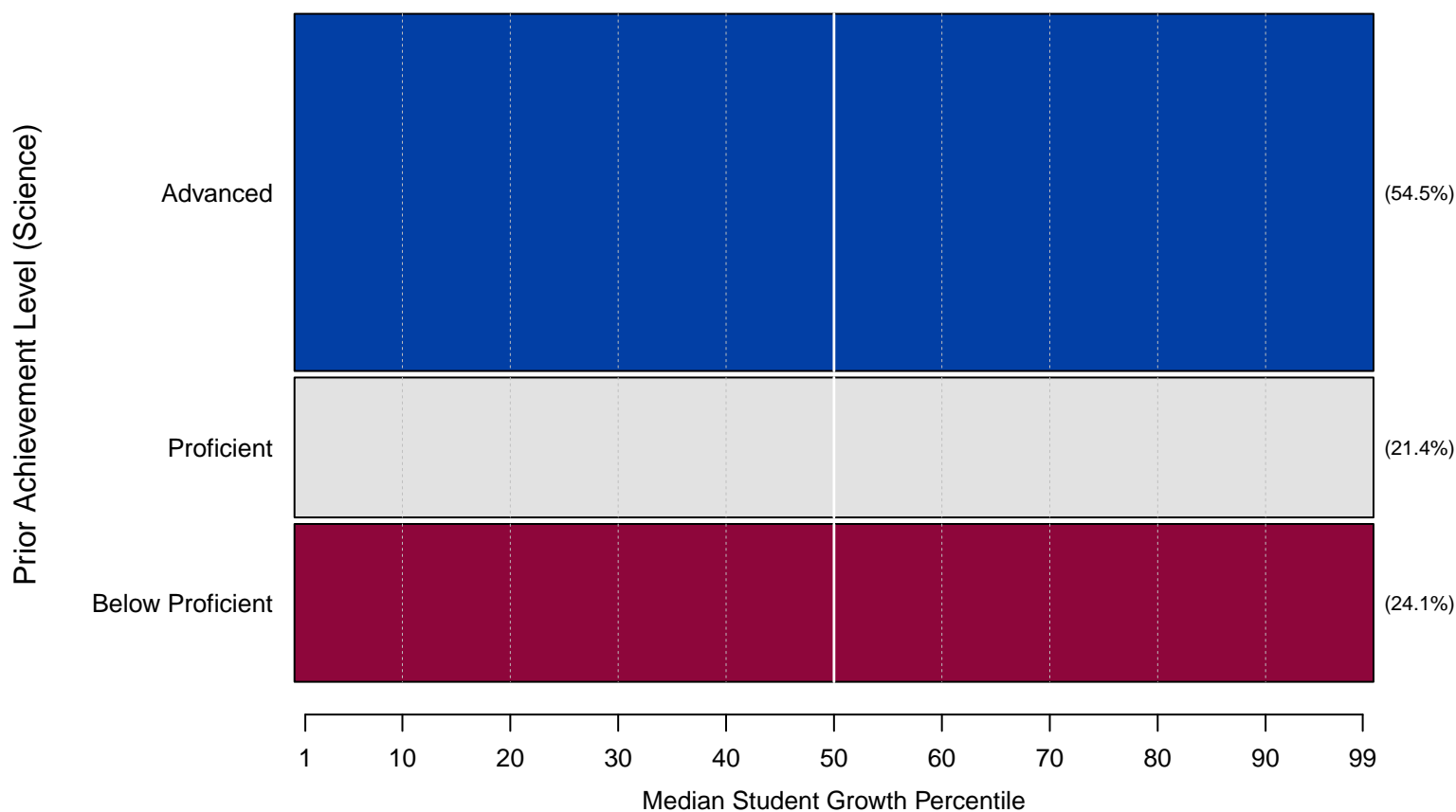# Student Growth Percentile Goodness–of–Fit Descriptives
2014 Science SGP, Grade 7 (N = 36,818)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

- Advanced (54.5%)
- Proficient (21.4%)
- Below Proficient (24.1%)

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/[128,153)	9.42	10.29	9.95	10.47	9.81	10.15	9.76	9.90	9.81	10.44	(9.6%)
2nd/[153,158)	9.68	9.40	9.97	9.81	10.09	9.93	10.59	10.00	9.72	10.81	(8.7%)
3rd/[158,161)	9.92	9.69	10.10	9.65	10.27	9.89	9.82	10.37	10.44	9.86	(7.9%)
4th/[161,165)	9.39	10.10	9.93	9.81	10.12	10.01	9.78	9.99	10.03	10.84	(13.1%)
5th/[165,167)	9.66	10.41	9.84	10.06	9.08	9.75	11.74	9.44	10.10	9.92	(6.1%)
6th/[167,170)	9.35	9.35	9.67	10.43	10.01	10.78	9.45	10.09	10.56	10.31	(11%)
7th/[170,173)	10.27	10.27	10.35	9.23	10.27	9.73	10.25	9.75	9.17	10.72	(12.6%)
8th/[173,176)	8.87	10.50	10.50	10.16	10.36	9.90	9.24	10.22	10.07	10.19	(9.5%)
9th/[176,181)	9.15	9.61	9.30	10.16	9.76	10.06	10.58	9.79	10.70	10.88	(8.9%)
10th/[181,208]	9.54	9.97	9.86	9.88	9.69	10.42	9.97	10.23	9.67	10.77	(12.5%)

*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