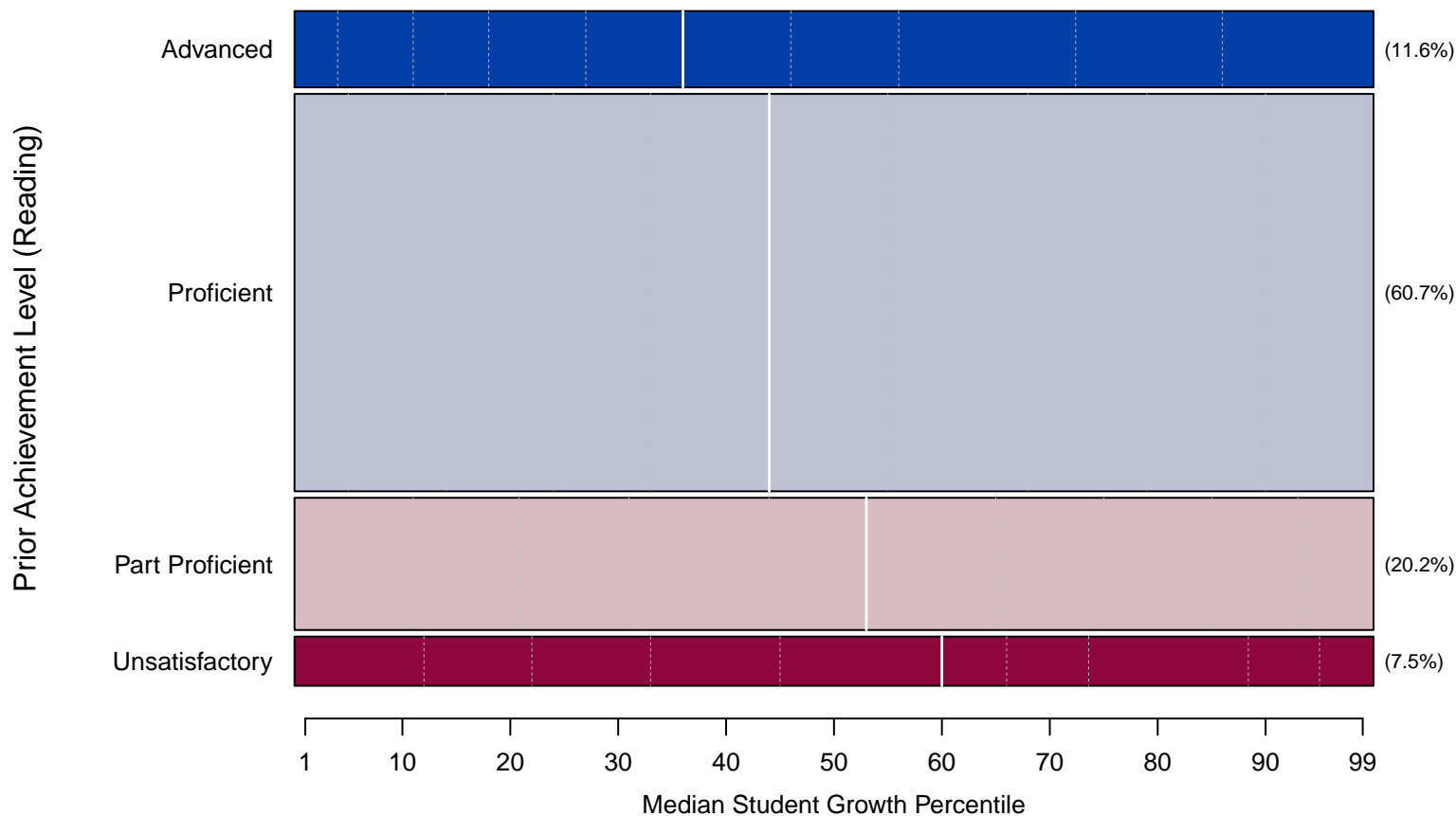# Student Growth Percentile Goodness–of–Fit Descriptives
2012–2013 Reading SGP SIMEX, Grade 8 (N = 4,113)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

Level	Percent
Advanced	(11.6%)
Proficient	(60.7%)
Part Proficient	(20.2%)
Unsatisfactory	(7.5%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

Student Growth Percentile Range

Prior Scale Score Decile/Range *

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/[300,578)	8.23	8.98	7.73	9.23	7.73	7.48	11.72	11.22	8.48	19.20	(9.7%)
2nd/[578,605)	8.61	10.77	10.77	10.05	8.37	7.89	6.22	10.53	12.68	14.11	(10.2%)
3rd/[605,624)	10.12	12.84	7.90	6.17	9.38	13.33	7.41	11.60	7.65	13.58	(9.8%)
4th/[624,638)	10.13	11.14	8.86	9.37	9.37	8.86	11.14	10.13	10.38	10.63	(9.6%)
5th/[638,651)	14.53	8.87	8.87	11.08	9.85	8.13	7.64	9.61	11.33	10.10	(9.9%)
6th/[651,665)	13.32	9.11	10.75	7.71	11.21	8.64	7.71	8.64	8.64	14.25	(10.4%)
7th/[665,680)	14.94	12.29	10.36	11.08	9.16	9.16	7.95	6.27	8.92	9.88	(10.1%)
8th/[680,698)	16.63	13.06	8.55	9.74	11.40	7.84	7.13	9.50	4.75	11.40	(10.2%)
9th/[698,720)	22.33	14.32	7.28	10.68	8.25	8.50	7.04	6.55	7.52	7.52	(10%)
10th/[720,863]	17.48	13.35	11.17	11.41	9.22	9.95	5.58	8.50	7.28	6.07	(10%)

*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