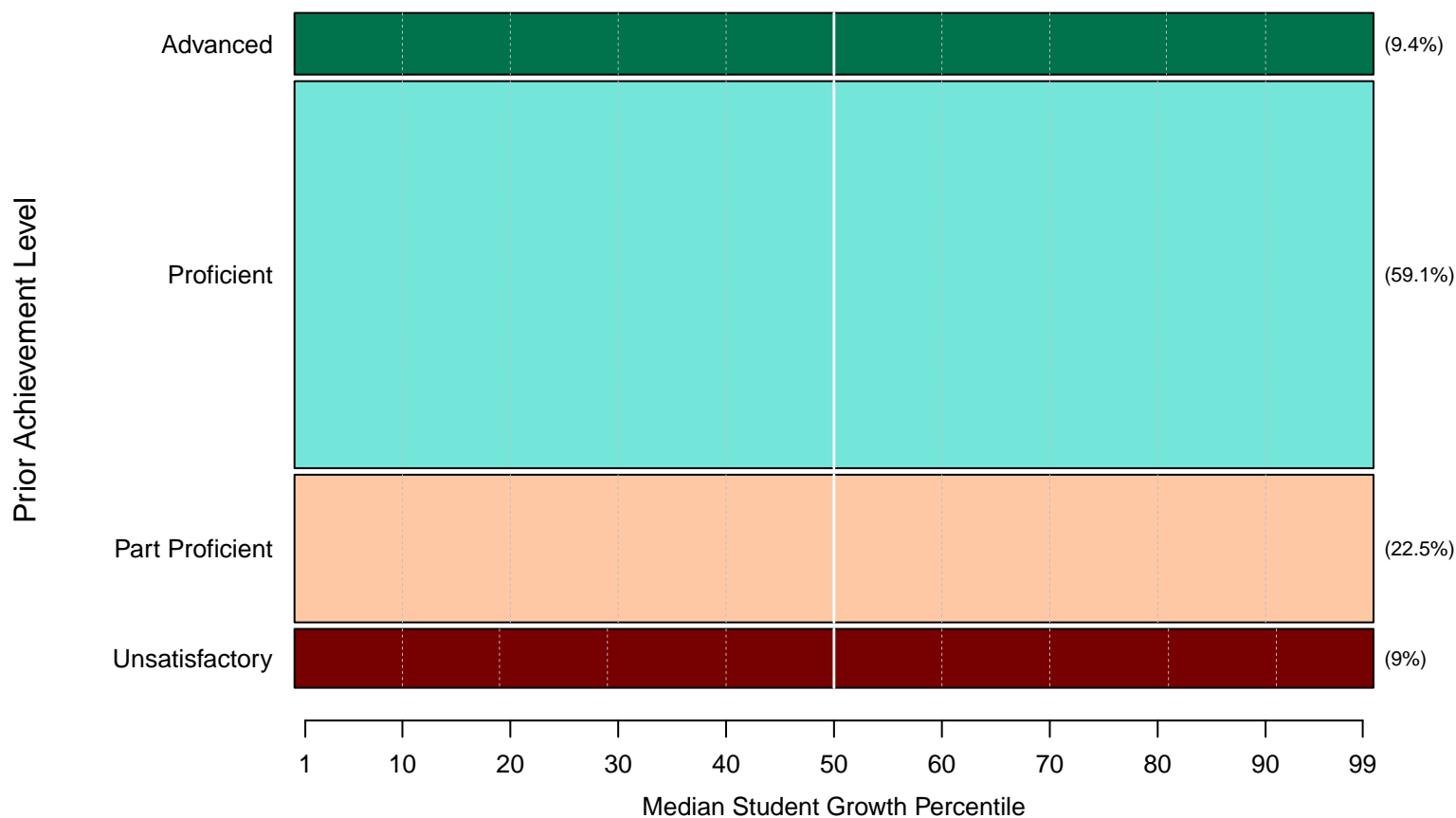# Student Growth Percentile Goodness–of–Fit Descriptives
2012 Reading SGP, Grade 9 (N = 53,582)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Advanced	(9.4%)
Proficient	(59.1%)
Part Proficient	(22.5%)
Unsatisfactory	(9%)

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/[330,582)	9.93	10.12	9.97	9.50	10.13	9.87	10.13	9.52	9.84	11.00	(10%)
2nd/[582,610)	9.62	9.77	9.77	10.02	9.81	9.62	10.00	10.41	10.60	10.39	(9.7%)
3rd/[610,629)	9.42	10.31	10.34	9.35	10.47	9.81	9.94	9.72	10.16	10.49	(10.1%)
4th/[629,644)	9.30	10.22	9.26	10.55	9.86	9.99	9.97	9.82	9.78	11.26	(9.7%)
5th/[644,658)	9.25	9.60	10.72	9.82	9.80	10.20	9.74	10.15	10.22	10.50	(10.2%)
6th/[658,671)	10.04	10.40	9.72	9.68	10.08	9.83	9.87	9.87	9.58	10.95	(9.9%)
7th/[671,685)	8.98	9.52	9.87	10.03	10.23	10.00	10.38	9.91	10.01	11.07	(10.3%)
8th/[685,700)	9.53	9.78	10.41	10.18	10.20	9.95	10.18	10.24	9.53	9.97	(9.8%)
9th/[700,722)	9.96	9.72	9.78	9.98	9.58	10.70	9.78	9.78	10.37	10.36	(10.3%)
10th/[722,976)	9.45	9.76	9.80	10.06	10.13	9.69	10.22	9.99	10.32	10.57	(10.1%)

*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