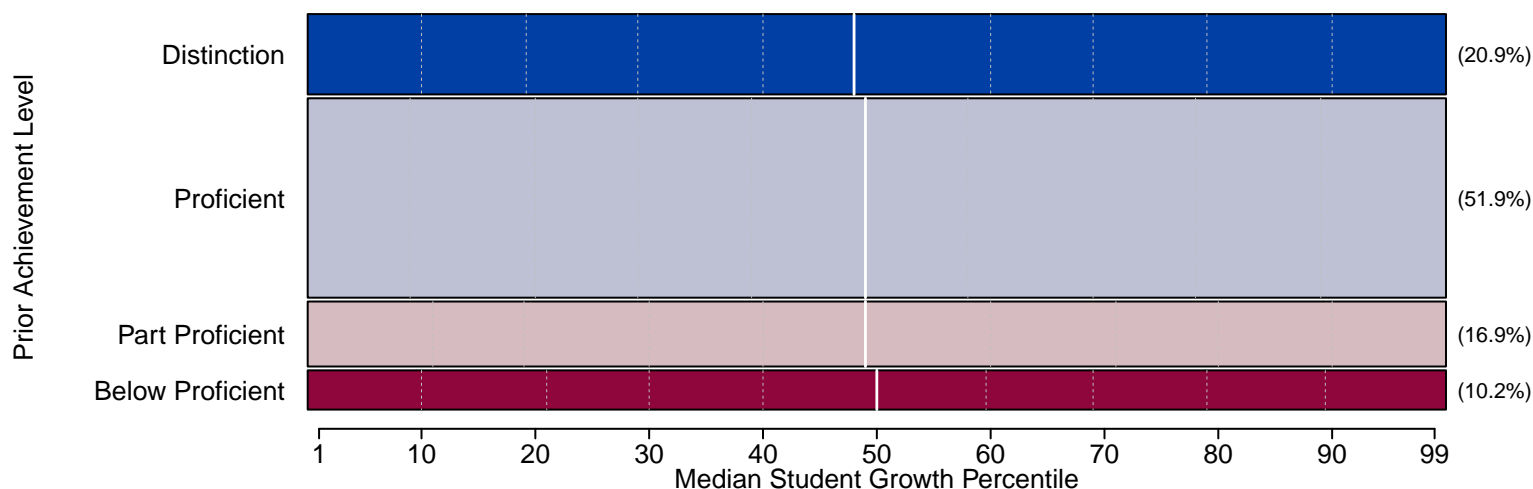# Student Growth Percentile Goodness–of–Fit Descriptives

2012–2013 Reading SGP, Grade 4 (N = 10,046)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level

Level	Percent
Distinction	(20.9%)
Proficient	(51.9%)
Part Proficient	(16.9%)
Below Proficient	(10.2%)

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

Ceiling / Floor Effects Test

Student Growth Percentile Range

Current Observed Score Extremes (Range)

		1 to 5	5 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 94	95 to 99	
Lowest OSS:	[0,4)	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 20
	[4,8)	44.6	17.9	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 56
Highest OSS:	[80]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	21.8	65.5	N = 55

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/[0,30)	10.53	10.20	8.22	10.75	9.65	9.98	11.07	9.87	9.32	10.42	(9.1%)
2nd/[30,36)	9.49	10.38	11.70	8.61	8.94	9.60	10.82	10.82	9.16	10.49	(9%)
3rd/[36,41)	7.81	12.31	7.98	11.38	12.82	8.49	8.06	10.19	10.53	10.44	(11.7%)
4th/[41,43)	13.36	6.61	10.72	9.84	7.49	11.60	15.12	5.29	10.72	9.25	(6.8%)
5th/[43,47)	8.91	10.87	12.84	6.38	13.33	7.69	9.08	11.77	8.34	10.79	(12.2%)
6th/[47,50)	10.61	8.94	12.40	9.83	6.03	13.30	11.73	5.70	11.96	9.50	(8.9%)
7th/[50,54)	8.22	11.84	8.51	11.06	8.71	10.18	8.90	13.60	9.20	9.78	(10.2%)
8th/[54,58)	11.36	8.96	14.64	4.61	13.66	10.03	9.41	8.52	9.32	9.49	(11.2%)
9th/[58,63)	9.71	11.57	5.68	12.81	10.95	5.58	17.46	4.75	10.95	10.54	(9.6%)
10th/[63,80]	9.08	9.88	13.84	7.32	12.43	8.55	7.85	13.76	7.14	10.14	(11.3%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution