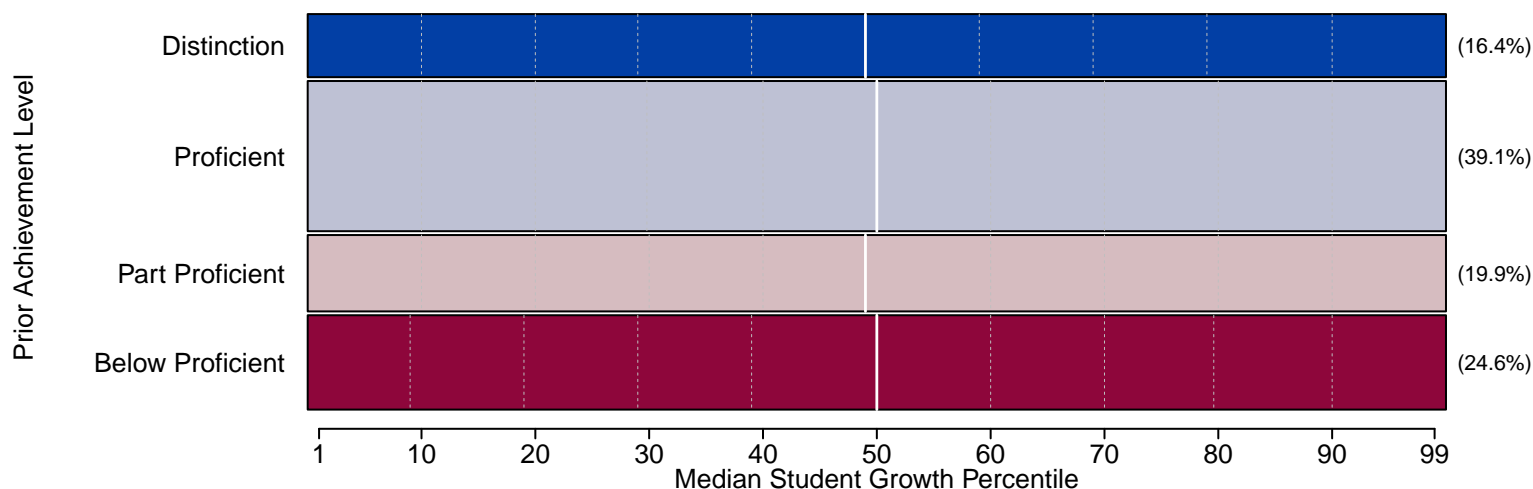# Student Growth Percentile Goodness–of–Fit Descriptives

2011–2012 Mathematics SGP, Grade 8 (N = 9,964)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level:

- Distinction (16.4%)
- Proficient (39.1%)
- Part Proficient (19.9%)
- Below Proficient (24.6%)

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:	[0,3)	97.1	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 35
	[3]	88.9	8.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 36
Highest OSS:	[67,70)	0.0	0.0	0.0	0.0	2.6	2.6	5.1	7.7	12.8	28.2	15.4	25.6	N = 39
	[70,80]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	7.5	12.5	20.0	57.5	N = 40

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/[0,26)	9.47	10.16	10.39	10.05	10.05	10.50	9.82	9.59	10.84	9.13	(8.8%)
2nd/[26,32)	10.48	10.76	9.28	11.13	8.91	10.20	9.65	9.65	8.63	11.32	(10.8%)
3rd/[32,36)	9.77	9.87	10.50	8.82	8.93	10.61	10.40	11.13	10.29	9.66	(9.6%)
4th/[36,39)	10.10	10.10	11.58	9.90	10.79	8.71	8.51	9.80	10.59	9.90	(10.1%)
5th/[39,42)	9.37	8.68	9.07	9.37	11.05	10.45	11.44	10.26	9.96	10.36	(10.2%)
6th/[42,44)	10.57	12.14	9.86	10.57	9.29	8.43	9.14	9.14	9.57	11.29	(7%)
7th/[44,47)	10.15	9.51	9.96	10.42	10.05	10.42	10.15	9.41	9.41	10.51	(11%)
8th/[47,51)	9.69	9.96	10.05	9.69	10.33	10.05	10.78	10.78	10.33	8.33	(11.1%)
9th/[51,56)	8.80	10.16	10.71	9.35	9.62	9.80	9.62	8.89	10.80	12.25	(11.1%)
10th/[56,80]	10.25	9.09	10.44	9.38	11.22	9.67	10.44	10.74	9.09	9.67	(10.4%)

*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