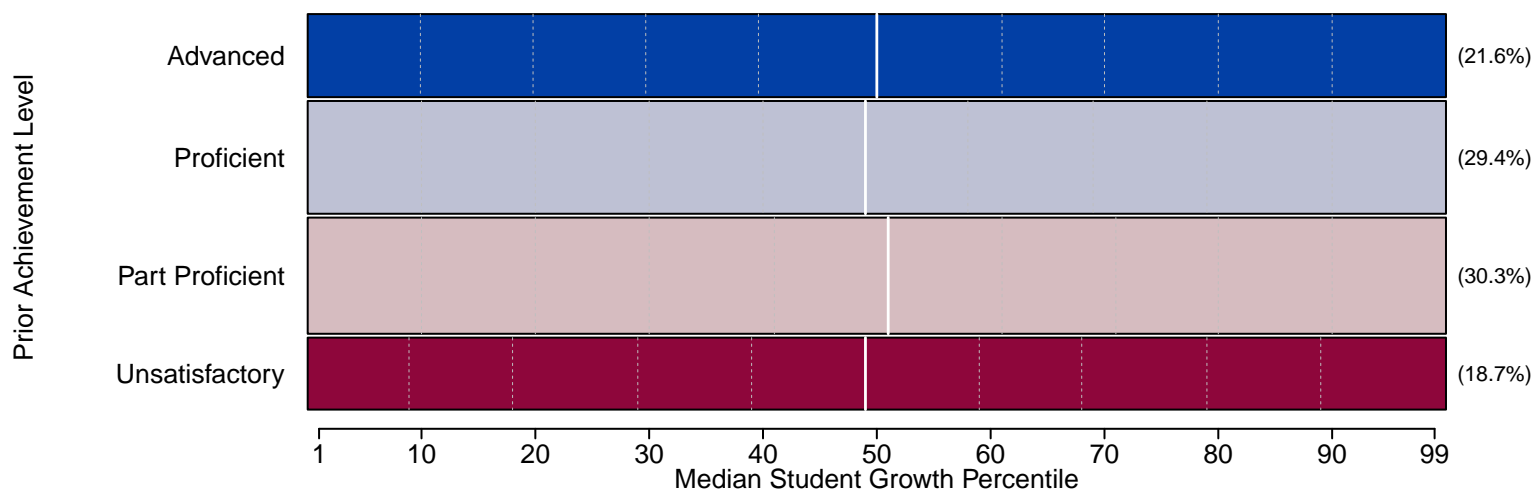# Student Growth Percentile Goodness–of–Fit Descriptives

2014–2015 Mathematics SGP, Grade 9 (N = 4,161)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level

Advanced	(21.6%)
Proficient	(29.4%)
Part Proficient	(30.3%)
Unsatisfactory	(18.7%)

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:	[340]	59.4	12.5	12.5	9.4	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	N = 32
	(340,376]	44.4	16.7	22.2	11.1	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	N = 18
Highest OSS:	[722,735)	0.0	0.0	0.0	0.0	4.0	0.0	12.0	28.0	12.0	12.0	16.0	16.0	N = 25
	[735,811]	3.2	0.0	0.0	6.5	0.0	0.0	0.0	3.2	9.7	22.6	16.1	38.7	N = 31

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/[310,490)	10.00	10.49	10.24	9.02	10.98	8.54	10.00	9.51	12.20	9.02	(9.9%)
2nd/[490,524)	12.05	9.16	9.88	10.12	9.64	11.08	10.60	10.12	7.47	9.88	(10%)
3rd/[524,545)	9.41	9.90	8.91	9.90	9.65	10.64	10.15	10.15	9.16	12.13	(9.7%)
4th/[545,563)	9.18	9.41	12.00	8.71	9.41	8.94	10.12	11.76	12.00	8.47	(10.2%)
5th/[563,578)	9.25	11.44	7.54	10.22	9.73	10.71	11.44	8.76	9.25	11.68	(9.9%)
6th/[578,594)	10.38	9.91	8.73	11.08	10.38	9.91	8.96	10.61	9.43	10.61	(10.2%)
7th/[594,611)	10.84	10.10	10.84	8.87	10.84	9.36	9.11	10.34	9.11	10.59	(9.8%)
8th/[611,630)	8.98	8.74	10.92	9.95	11.17	11.41	11.17	8.50	9.47	9.71	(9.9%)
9th/[630,660)	9.05	9.51	10.44	10.44	9.05	10.44	12.06	8.82	8.58	11.60	(10.4%)
10th/[660,890]	10.87	10.17	9.69	9.22	9.46	9.93	8.98	10.87	10.87	9.93	(10.2%)

*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