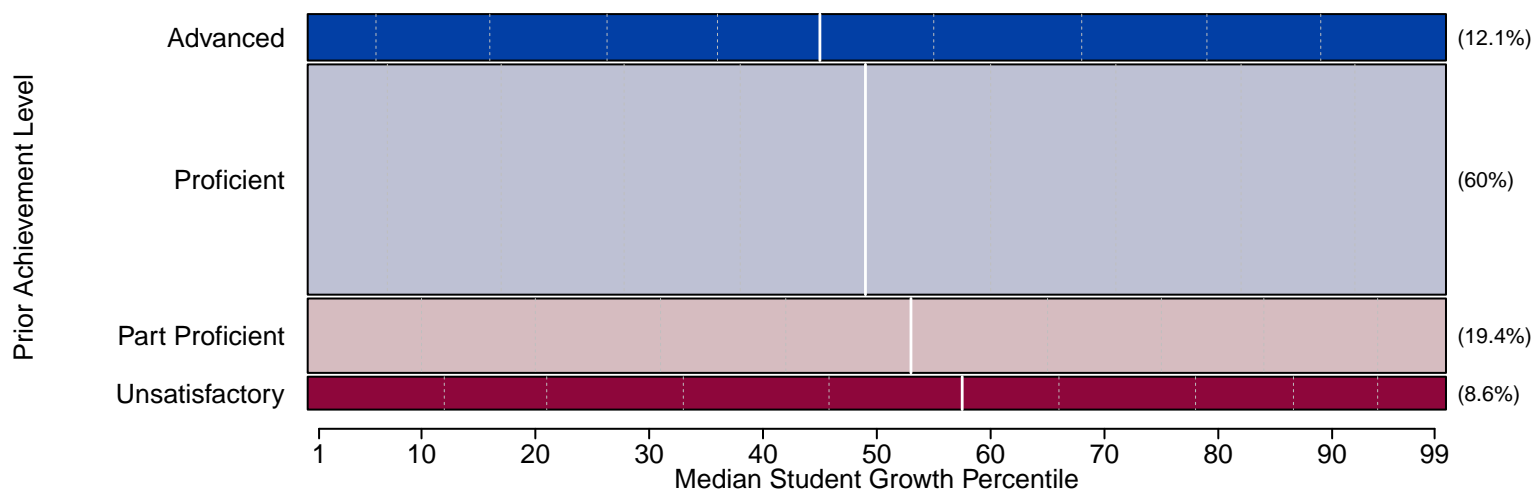# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016 Reading SGP SIMEX, Grade 8 (N = 4,064)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level

Level	Percentage
Advanced	(12.1%)
Proficient	(60%)
Part Proficient	(19.4%)
Unsatisfactory	(8.6%)

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:	[330,498)	44.0	12.0	28.0	8.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[498,515]	24.0	16.0	28.0	16.0	4.0	4.0	8.0	0.0	0.0	0.0	0.0	0.0	N = 25
Highest OSS:	[777,792]	0.0	0.0	0.0	7.7	3.8	11.5	7.7	0.0	11.5	11.5	3.8	42.3	N = 26
	[792,883]	0.0	0.0	0.0	3.7	0.0	11.1	0.0	11.1	0.0	25.9	14.8	33.3	N = 27

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/[300,574)	8.50	9.75	9.00	7.75	10.00	8.25	9.75	8.00	10.00	19.00	(9.8%)
2nd/[574,604)	9.20	9.44	8.96	8.72	9.93	8.96	7.51	10.17	10.65	16.46	(10.2%)
3rd/[604,624)	11.00	9.00	9.00	9.25	7.25	9.75	10.50	9.50	10.25	14.50	(9.8%)
4th/[624,639)	9.37	11.90	8.86	10.38	8.86	10.89	6.58	8.61	11.39	13.16	(9.7%)
5th/[639,654)	12.65	10.98	8.59	8.35	9.31	5.97	10.98	10.74	10.74	11.69	(10.3%)
6th/[654,669)	10.54	11.27	11.03	7.84	11.03	10.05	7.11	8.33	9.56	13.24	(10%)
7th/[669,684)	12.79	8.18	7.93	11.25	7.67	9.72	10.74	8.44	11.00	12.28	(9.6%)
8th/[684,699)	12.38	11.65	8.98	8.01	10.68	8.74	10.92	6.31	9.95	12.38	(10.1%)
9th/[699,721)	14.56	12.65	10.02	7.16	9.79	10.50	7.88	9.07	7.40	10.98	(10.3%)
10th/[721,897]	14.50	9.34	10.07	10.81	10.07	7.62	9.58	7.86	10.57	9.58	(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