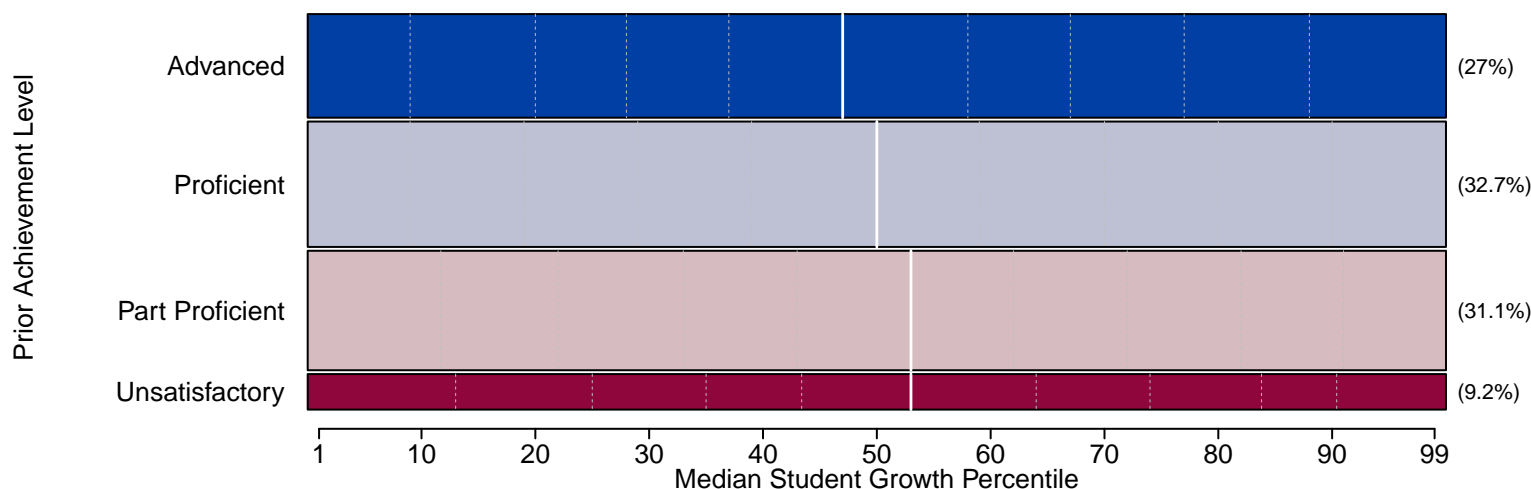# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Mathematics SGP SIMEX Ranked, Grade 8 (N = 4,076)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level (y-axis), Median Student Growth Percentile (x-axis)

- Advanced (27%)
- Proficient (32.7%)
- Part Proficient (31.1%)
- Unsatisfactory (9.2%)

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:	[310,361]	40.0	12.0	16.0	8.0	20.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[361,398]	19.2	11.5	26.9	15.4	11.5	3.8	7.7	0.0	3.8	0.0	0.0	0.0	N = 26
Highest OSS:	[735,754]	0.0	0.0	0.0	8.0	4.0	4.0	0.0	16.0	20.0	32.0	8.0	8.0	N = 25
	[754,871]	0.0	0.0	0.0	0.0	8.0	8.0	4.0	12.0	8.0	12.0	20.0	28.0	N = 25

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/[280,489]	6.27	10.28	8.27	11.28	9.27	10.28	8.27	10.28	13.28	12.53	(9.8%)
2nd/[489,519]	7.54	9.00	6.81	9.00	11.44	9.49	9.98	10.95	13.38	12.41	(10.1%)
3rd/[519,539]	9.39	12.44	9.64	8.63	8.88	11.17	10.66	9.64	7.61	11.93	(9.7%)
4th/[539,557]	8.86	7.59	9.62	10.89	10.63	10.63	10.38	10.63	7.09	13.67	(9.7%)
5th/[557,575]	8.14	9.07	8.37	10.23	10.00	10.70	9.53	10.93	11.86	11.16	(10.5%)
6th/[575,592]	7.93	10.10	9.38	11.30	11.54	12.74	6.97	10.10	9.38	10.58	(10.2%)
7th/[592,608]	12.66	10.42	11.66	9.18	6.95	10.67	9.68	9.93	8.93	9.93	(9.9%)
8th/[608,627]	10.57	10.31	11.34	11.86	9.79	9.28	7.73	9.54	7.22	12.37	(9.5%)
9th/[627,652]	10.17	8.75	9.46	13.71	9.93	8.04	11.58	9.93	11.11	7.33	(10.4%)
10th/[652,860]	13.43	7.91	13.91	7.43	10.79	7.91	13.43	9.11	8.87	7.19	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis), Empirical SGP Distribution (y-axis)