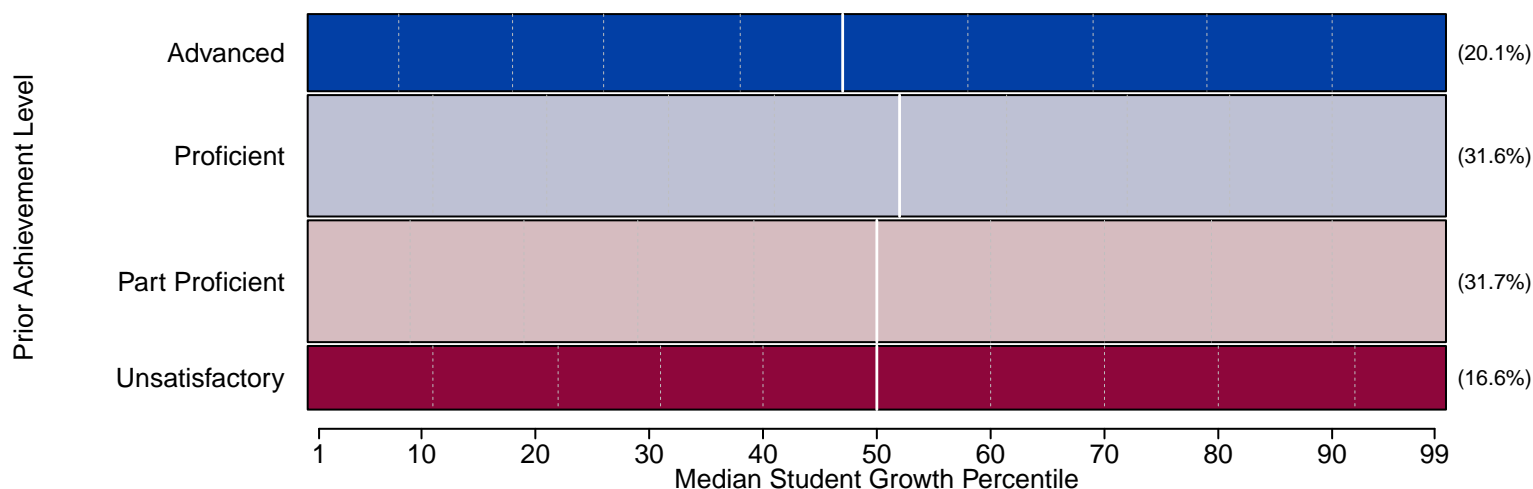# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Mathematics SGP SIMEX Ranked, Grade 9 (N = 4,206)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level	
Advanced	(20.1%)
Proficient	(31.6%)
Part Proficient	(31.7%)
Unsatisfactory	(16.6%)

Median Student Growth Percentile

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:	[340,362]	79.2	0.0	8.3	8.3	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	N = 24
	[362,401]	30.8	11.5	30.8	7.7	11.5	0.0	3.8	3.8	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[724,736]	0.0	4.0	0.0	4.0	0.0	4.0	4.0	4.0	12.0	44.0	8.0	16.0	N = 25
	[736,868]	0.0	0.0	0.0	0.0	0.0	8.0	8.0	0.0	12.0	12.0	20.0	40.0	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/[310,500)	8.41	10.82	10.58	11.54	8.65	8.65	11.78	11.06	8.89	9.62	(9.9%)
2nd/[500,529)	9.31	9.56	10.54	9.31	12.01	9.31	9.07	8.09	9.56	13.24	(9.7%)
3rd/[529,548)	8.22	11.19	11.19	9.82	8.90	10.73	8.90	9.59	10.05	11.42	(10.4%)
4th/[548,564)	9.83	9.58	9.34	9.09	10.07	9.58	11.06	10.81	9.34	11.30	(9.7%)
5th/[564,579)	12.78	7.37	9.58	10.32	9.09	11.06	9.58	12.78	9.58	7.86	(9.7%)
6th/[579,594)	6.19	9.76	7.86	9.05	10.48	10.71	10.95	9.52	10.00	15.48	(10%)
7th/[594,610)	9.50	9.50	12.22	9.95	7.24	8.14	8.82	12.44	12.67	9.50	(10.5%)
8th/[610,628)	10.40	11.11	8.04	10.17	10.87	9.93	12.06	8.51	10.17	8.75	(10.1%)
9th/[628,650)	12.96	9.78	10.76	7.82	10.27	10.27	9.29	8.31	9.29	11.25	(9.7%)
10th/[650,791)	10.32	11.47	9.63	10.32	10.32	8.72	8.72	12.16	9.17	9.17	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution