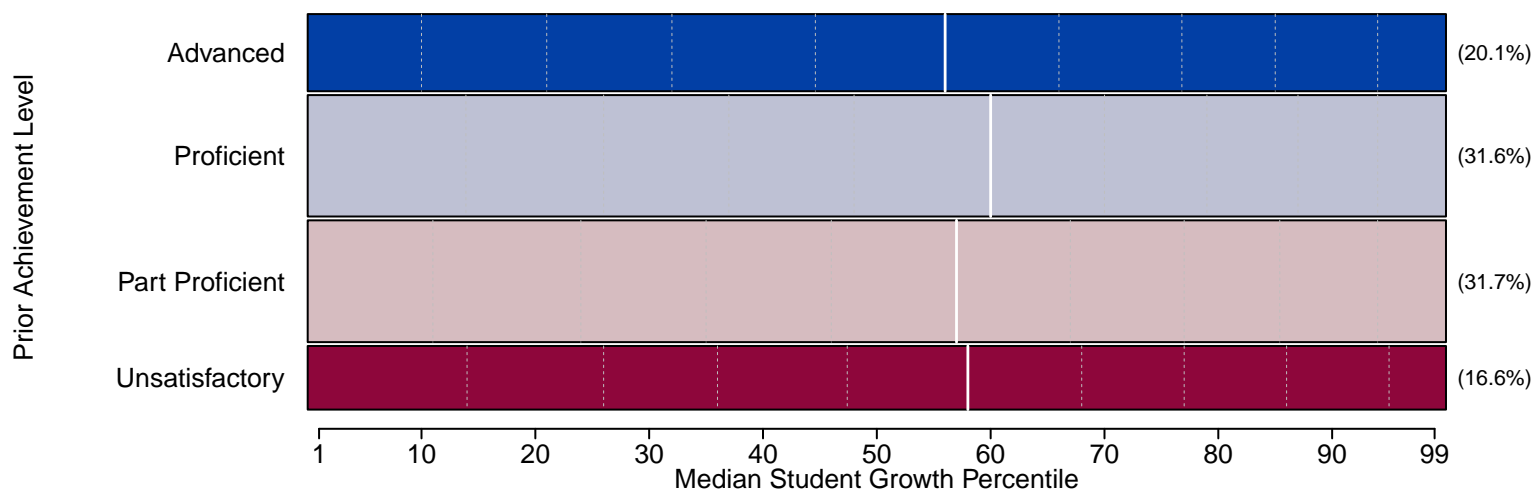# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Mathematics SGP SIMEX, 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	0.0	4.2	0.0	0.0	0.0	0.0	N = 24
	[362,401]	23.1	15.4	30.8	11.5	7.7	3.8	3.8	3.8	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[724,736]	0.0	4.0	0.0	0.0	4.0	0.0	4.0	4.0	8.0	16.0	36.0	24.0	N = 25
	[736,868]	0.0	0.0	0.0	0.0	0.0	4.0	4.0	8.0	4.0	16.0	12.0	52.0	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)	7.45	7.45	10.82	9.86	9.13	7.45	10.10	12.02	11.78	13.94	(9.9%)
2nd/[500,529)	7.84	8.09	6.37	11.76	8.82	10.78	9.07	8.82	10.78	17.65	(9.7%)
3rd/[529,548)	5.71	8.90	10.73	8.45	7.99	10.73	9.82	9.82	11.19	16.67	(10.4%)
4th/[548,564)	8.60	8.60	7.13	9.34	6.63	9.58	10.07	11.79	11.30	16.95	(9.7%)
5th/[564,579)	9.83	8.35	6.88	9.34	7.62	9.09	12.29	9.83	14.25	12.53	(9.7%)
6th/[579,594)	5.24	6.90	6.90	7.62	9.05	9.29	11.19	10.95	11.67	21.19	(10%)
7th/[594,610)	7.92	9.73	7.24	10.86	7.01	8.14	8.14	9.73	16.06	15.16	(10.5%)
8th/[610,628)	7.80	9.93	7.57	8.51	8.51	10.40	10.40	13.24	9.93	13.71	(10.1%)
9th/[628,650)	9.29	9.54	9.05	8.56	7.33	10.02	9.54	10.51	11.00	15.16	(9.7%)
10th/[650,791)	7.57	9.63	10.32	9.63	6.42	10.32	8.72	11.24	11.70	14.45	(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