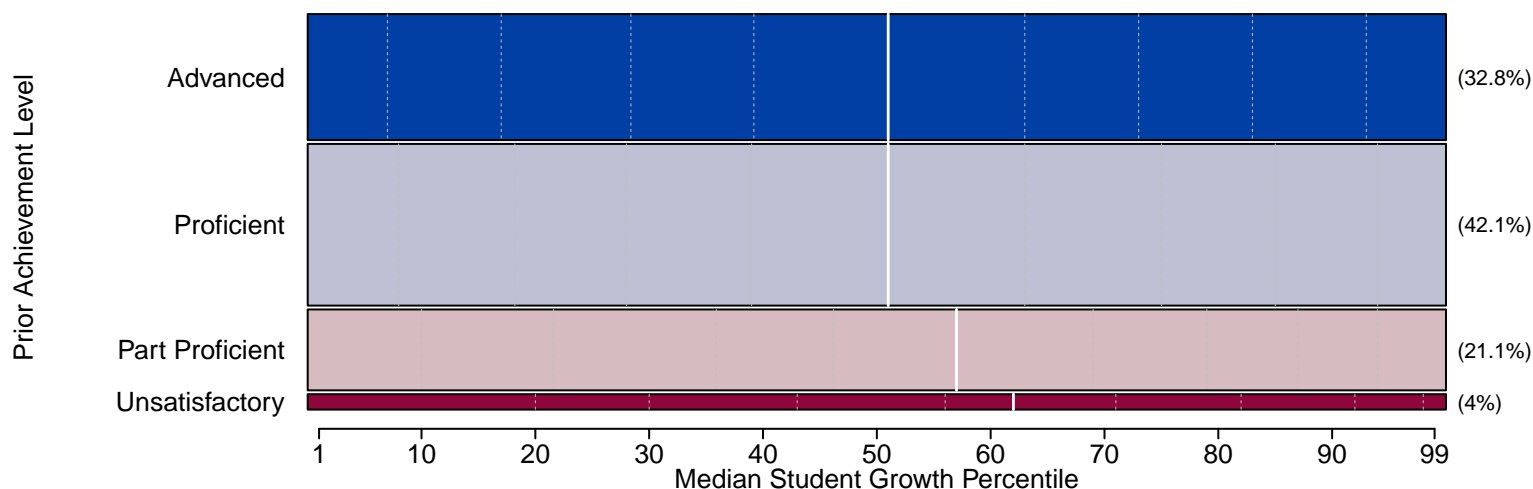# Student Growth Percentile Goodness–of–Fit Descriptives
2014–2015 Mathematics SGP SIMEX, Grade 6 (N = 3,959)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level:
- Advanced (32.8%)
- Proficient (42.1%)
- Part Proficient (21.1%)
- Unsatisfactory (4%)

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:	[244,357)	44.0	16.0	8.0	12.0	0.0	12.0	0.0	8.0	0.0	0.0	0.0	0.0	N = 25
	[357,390]	30.8	3.8	7.7	15.4	7.7	15.4	3.8	0.0	7.7	3.8	3.8	0.0	N = 26
Highest OSS:	[716,737]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	12.5	20.8	62.5	N = 24
	[737,830]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	7.4	85.2	N = 27

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/[220,454)	6.62	7.63	7.89	7.63	8.40	9.92	10.69	9.67	9.92	21.63	(9.9%)
2nd/[454,483)	11.43	7.27	7.01	10.13	8.57	9.35	8.05	9.61	12.21	16.36	(9.7%)
3rd/[483,502)	6.98	9.82	9.30	9.56	7.49	9.56	10.34	11.63	10.85	14.47	(9.8%)
4th/[502,519)	10.86	8.89	9.88	7.65	6.91	11.36	7.41	10.12	9.38	17.53	(10.2%)
5th/[519,535)	12.09	8.31	9.07	9.57	6.55	7.30	6.80	11.84	9.82	18.64	(10%)
6th/[535,550)	12.76	10.68	11.72	7.81	7.29	9.38	9.64	5.73	12.24	12.76	(9.7%)
7th/[550,567)	15.94	9.66	7.49	9.18	8.70	9.90	7.49	8.70	8.21	14.73	(10.5%)
8th/[567,589)	11.50	9.50	9.50	10.25	9.75	5.50	9.75	11.25	8.25	14.75	(10.1%)
9th/[589,617)	11.20	10.94	8.65	8.65	9.16	9.16	11.45	7.38	8.91	14.50	(9.9%)
10th/[617,800]	13.97	9.98	10.22	6.23	8.48	8.23	10.22	10.72	8.73	13.22	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution