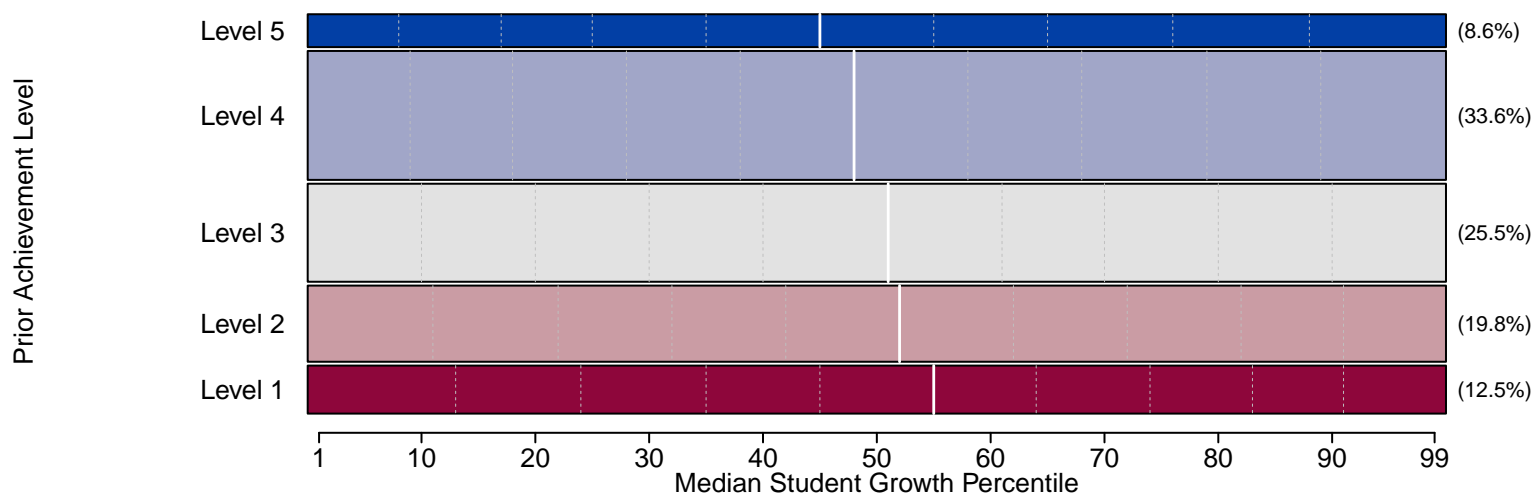


# Student Growth Percentile Goodness-of-Fit Descriptives

2016–2017.2 Mathematics SGP SIMEX Ranked, Grade 4 (N = 402,745)

## SGP Deciles by Prior Achievement Level (Mathematics)



## Ceiling / Floor Effects Test

		Student Growth Percentile 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	
Current Observed Score Extremes (Range)	Lowest OSS:													N = 48
	[ -15 ]	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	(-15,-4.58]	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 15
	Highest OSS:													N = 17
	[4.92,4.99]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	70.6	
	[4.99,15]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	90.5	N = 42

## Student Growth Percentile Range

Prior Score Decile/Range*	Student Growth Percentile 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/[-15,-1.54]	6.99	7.99	8.91	10.29	10.22	9.69	10.83	11.26	11.44	12.37	(10%)
2nd/[-1.54,-1.08]	7.72	9.11	9.20	9.29	9.84	10.95	10.39	9.81	11.57	12.11	(10%)
3rd/[-1.08,-0.713]	8.88	9.64	9.44	9.98	9.76	10.62	10.74	9.32	10.78	10.85	(9.9%)
4th/[-0.713,-0.394]	9.08	9.86	10.12	10.31	9.16	10.62	9.67	10.60	10.02	10.57	(9.9%)
5th/[-0.394,-0.0803]	9.27	10.26	9.29	10.31	10.07	9.64	10.07	10.69	9.98	10.43	(10.1%)
6th/[-0.0803,0.21]	9.36	10.01	9.37	9.53	10.67	9.87	10.06	9.96	9.85	11.30	(10.1%)
7th/[0.21,0.518]	9.58	10.34	10.63	9.66	9.83	9.89	9.30	10.47	9.74	10.55	(10%)
8th/[0.518,0.837]	10.74	10.71	10.58	9.72	10.49	9.62	9.27	9.74	9.52	9.62	(9.7%)
9th/[0.837,1.31]	11.53	10.58	11.13	10.39	10.03	9.41	9.90	8.99	9.27	8.77	(10.1%)
10th/[1.31,15]	11.59	11.62	11.02	10.23	10.14	9.96	9.29	9.20	8.63	8.33	(10.3%)

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

## QQ-Plot: Student Growth Percentiles

