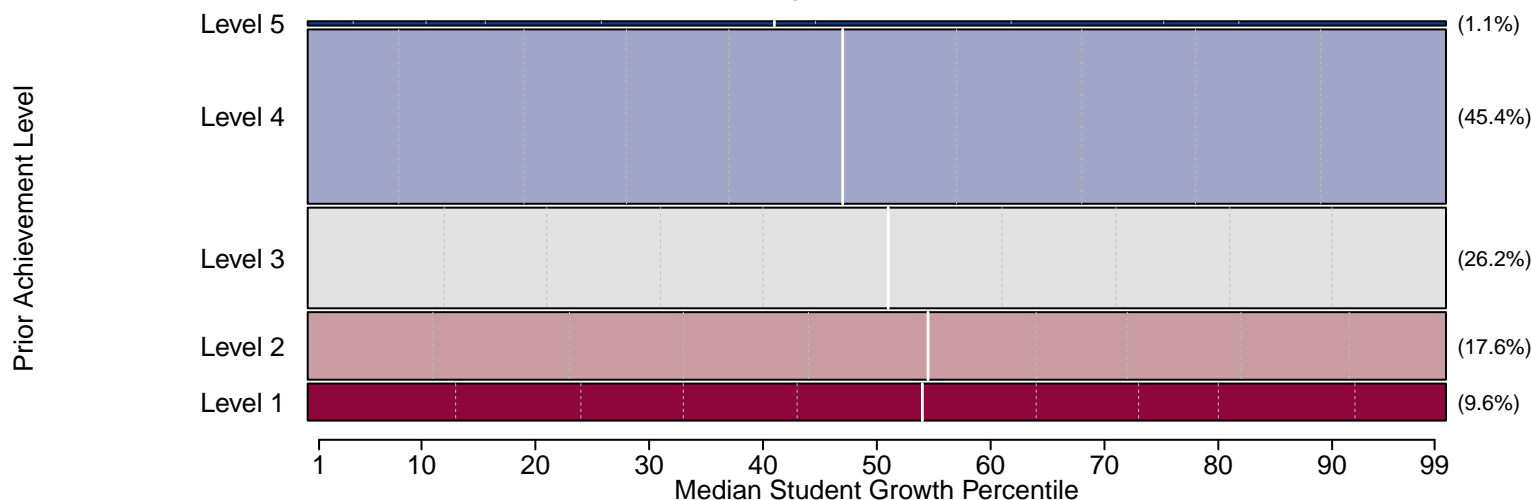# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.2 Algebra II SGP SIMEX Ranked, Grade EOCT (N = 5,546)

SGP Deciles by Prior Achievement Level (Algebra I)

Prior Achievement Level (y-axis)

Level	Percent
Level 5	(1.1%)
Level 4	(45.4%)
Level 3	(26.2%)
Level 2	(17.6%)
Level 1	(9.6%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

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:	[−4.56,−2.99)	88.9	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 27
	[−2.99,−2.38]	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 32
Highest OSS:	[2.02,2.22]	0.0	0.0	8.0	0.0	0.0	0.0	4.0	0.0	20.0	12.0	20.0	36.0	N = 25
	[2.22,2.97]	0.0	0.0	0.0	0.0	8.0	8.0	4.0	0.0	4.0	16.0	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/[−4.75,−1.16)	6.73	8.60	10.65	9.91	9.53	11.40	11.03	11.03	8.22	12.90	(9.6%)
2nd/[−1.16,−0.71)	9.35	7.25	9.54	8.78	10.31	8.40	11.64	9.73	11.64	13.36	(10.3%)
3rd/[−0.71,−0.3)	7.36	10.59	9.34	8.80	8.80	11.31	11.31	10.41	11.13	10.95	(9.3%)
4th/[−0.3,0.03)	8.29	8.80	8.97	10.49	9.98	10.49	10.83	8.63	11.17	12.35	(10.7%)
5th/[0.03,0.34)	7.79	11.53	10.28	11.53	8.10	10.12	9.66	11.06	10.28	9.66	(9.9%)
6th/[0.34,0.57)	10.13	10.56	10.13	7.97	9.91	10.34	9.48	9.91	9.70	11.85	(9.8%)
7th/[0.57,0.82)	11.17	9.42	9.77	9.95	11.69	9.08	9.77	10.65	8.38	10.12	(10%)
8th/[0.82,1.06)	10.51	10.87	10.87	9.06	10.51	9.24	9.60	8.70	10.33	10.33	(9.6%)
9th/[1.06,1.39)	12.52	10.89	8.35	12.70	10.71	9.44	8.71	10.16	9.80	6.72	(10.6%)
10th/[1.39,4.02]	11.31	10.77	13.46	8.62	11.31	10.23	7.90	9.87	8.62	7.90	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100