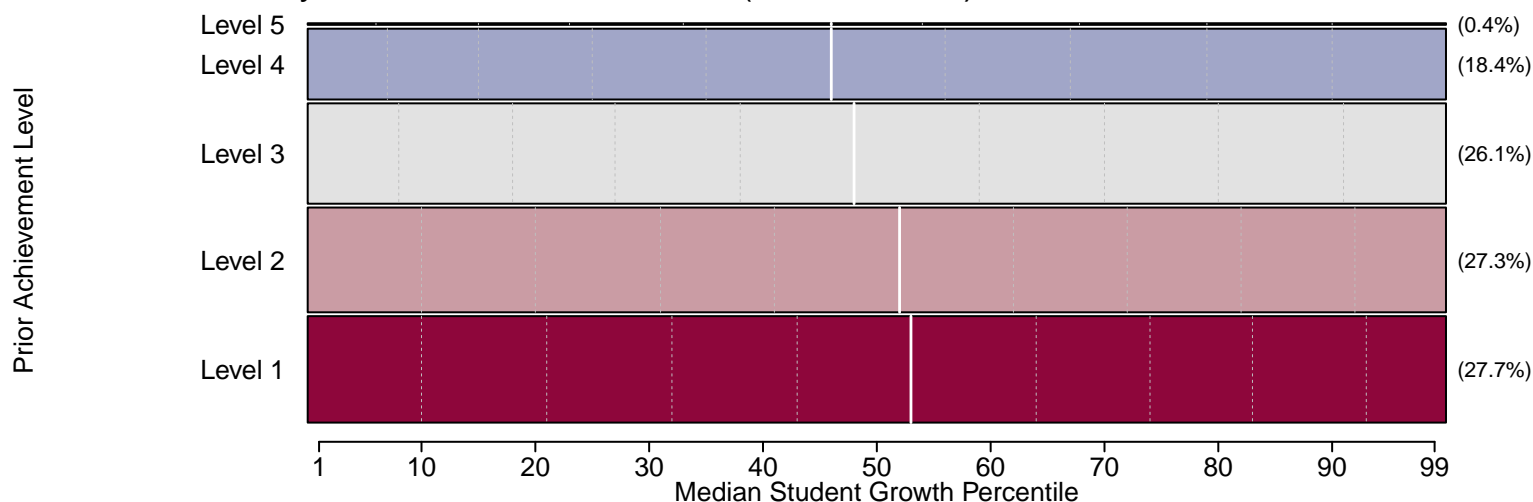# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Algebra I SGP SIMEX, Grade EOCT (N = 128,022)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level	Percent
Level 5	(0.4%)
Level 4	(18.4%)
Level 3	(26.1%)
Level 2	(27.3%)
Level 1	(27.7%)

Median Student Growth Percentile

Ceiling / Floor Effects Test

Student Growth Percentile Range

Current Observed Score Extremes (Range)

	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	N
Lowest OSS:	[−15,−4.1]	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 = 36
	[−4.1009]	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 = 45
Highest OSS:	[2.77,2.94]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	7.7	23.1	23.1	42.3	N = 26
	[2.94,3.96]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	11.1	77.8	N = 27

Student Growth Percentile Range

Prior Scale Score Decile/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	Percent
1st/[−15,−1.5)	9.09	8.78	9.35	9.93	9.46	9.14	9.24	10.85	10.58	13.58	(9.4%)
2nd/[−1.5,−1.08)	9.01	9.64	9.30	8.99	9.10	9.99	9.64	10.64	10.39	13.31	(10%)
3rd/[−1.08,−0.793)	9.61	9.85	9.32	9.31	9.36	9.52	9.45	10.78	10.15	12.66	(10.1%)
4th/[−0.793,−0.509)	9.23	9.38	9.54	9.63	9.34	9.78	9.34	10.09	10.26	13.40	(9.9%)
5th/[−0.509,−0.259)	9.73	9.42	9.68	9.46	9.79	9.63	9.81	10.03	10.23	12.22	(10.1%)
6th/[−0.259,0.0185)	10.10	9.79	9.35	10.02	9.93	9.93	9.45	9.67	10.19	11.57	(10%)
7th/[0.0185,0.258)	10.88	10.70	9.96	9.47	9.79	9.44	9.42	9.60	9.65	11.10	(9.9%)
8th/[0.258,0.58)	11.70	11.01	10.38	9.93	9.33	9.17	8.80	9.31	9.36	11.01	(10%)
9th/[0.58,1.01)	12.46	11.35	10.03	9.44	9.87	9.31	8.53	8.84	9.27	10.91	(10.2%)
10th/[1.01,4.56]	13.16	11.95	10.34	9.42	9.78	9.25	8.75	8.70	8.87	9.79	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution