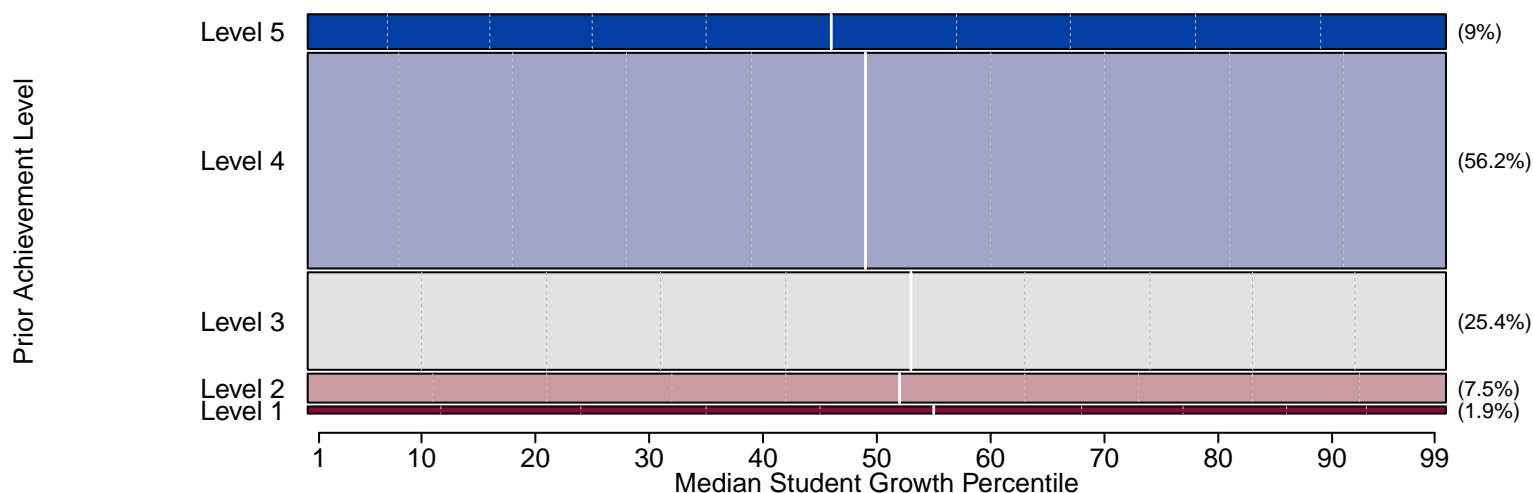# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Algebra I SGP SIMEX, Grade EOCT (N = 68,870)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level	
Level 5	(9%)
Level 4	(56.2%)
Level 3	(25.4%)
Level 2	(7.5%)
Level 1	(1.9%)

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:	[−15,−2.98)	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 = 31
	[−2.98,−2.77]	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
Highest OSS:	[4.76,5.45)	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	4.3	13.0	8.7	69.6	N = 23
	[5.45,7.67]	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	18.5	3.7	3.7	70.4	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/[−15,−0.417)	8.39	9.76	9.35	8.98	9.95	9.58	8.88	10.78	10.88	13.44	(9.9%)
2nd/[−0.417,0.0843)	8.98	9.13	9.35	8.72	9.03	9.30	9.82	10.32	11.32	14.03	(10%)
3rd/[0.0843,0.425)	9.71	9.33	9.88	9.43	9.70	8.88	9.96	9.70	11.12	12.30	(9.4%)
4th/[0.425,0.683)	10.11	10.00	9.39	10.20	9.07	9.53	9.32	9.93	10.35	12.11	(10.3%)
5th/[0.683,0.913)	10.88	9.52	9.49	9.33	9.84	9.36	10.08	10.09	9.67	11.73	(9.7%)
6th/[0.913,1.16)	11.33	10.57	9.38	9.64	9.51	9.16	9.84	9.22	9.54	11.81	(10.7%)
7th/[1.16,1.35)	12.08	10.23	9.62	8.94	9.29	9.38	9.59	10.11	9.67	11.10	(9.5%)
8th/[1.35,1.61)	10.59	10.53	10.32	9.76	9.62	9.37	9.27	9.75	9.92	10.86	(10.1%)
9th/[1.61,1.96)	12.08	10.89	10.84	9.65	9.36	9.52	8.56	9.26	8.95	10.89	(10%)
10th/[1.96,15]	13.09	10.64	10.31	10.11	9.21	8.79	10.06	8.98	9.04	9.77	(10.4%)

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

QQ–Plot: Student Growth Percentiles