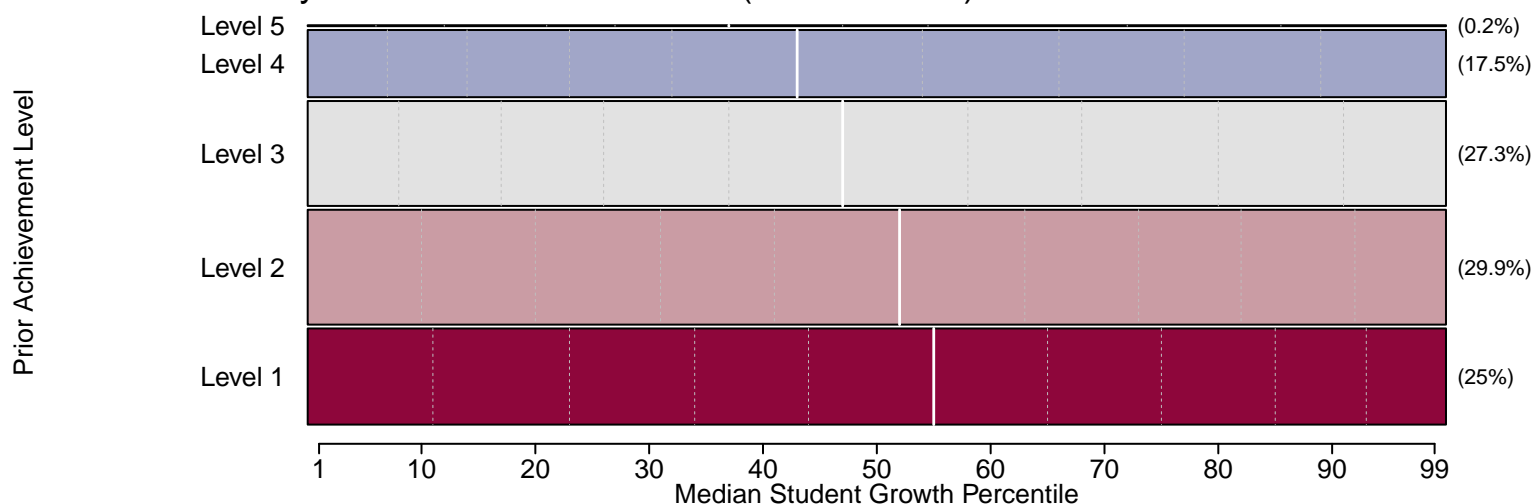# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 Algebra I SGP SIMEX, Grade EOCT (N = 172,218)

SGP Deciles by Prior Achievement Level (Mathematics)

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]	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 = 47
	(−15,−5.518]	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 = 13
Highest OSS:	[2.645,2.838)	0.0	0.0	0.0	0.0	0.0	0.0	8.0	8.0	12.0	16.0	12.0	44.0	N = 25
	[2.838,4.018]	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.8	15.4	3.8	73.1	N = 26

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/[−10,−1.376)	8.44	8.58	8.80	9.21	7.93	10.14	9.63	10.38	11.26	15.64	(9.9%)
2nd/[−1.376,−0.9906)	8.17	9.73	8.48	9.87	9.60	9.45	9.50	10.56	11.27	13.37	(10%)
3rd/[−0.9906,−0.7102)	9.46	9.08	9.03	9.62	8.76	9.55	10.28	10.14	11.03	13.04	(10%)
4th/[−0.7102,−0.4506)	9.40	9.52	9.27	9.28	9.62	8.87	10.05	10.24	10.87	12.88	(9.9%)
5th/[−0.4506,−0.2136)	9.86	10.22	9.54	9.46	9.12	9.37	9.72	10.06	10.16	12.49	(10.1%)
6th/[−0.2136,0.0249)	10.62	10.53	10.10	9.86	9.26	9.57	9.44	9.63	9.91	11.10	(10%)
7th/[0.0249,0.27)	11.40	11.29	10.03	10.23	8.68	9.77	8.90	9.20	9.27	11.23	(10%)
8th/[0.27,0.5767)	12.01	11.27	10.66	9.67	9.33	9.42	8.89	9.08	9.04	10.62	(10%)
9th/[0.5767,0.9576)	13.02	11.37	11.33	9.25	9.29	9.02	9.00	8.61	9.04	10.06	(10%)
10th/[0.9576,3.524]	15.01	11.84	11.26	9.49	10.10	8.49	8.33	7.86	8.72	8.90	(10%)

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

QQ–Plot: Student Growth Percentiles