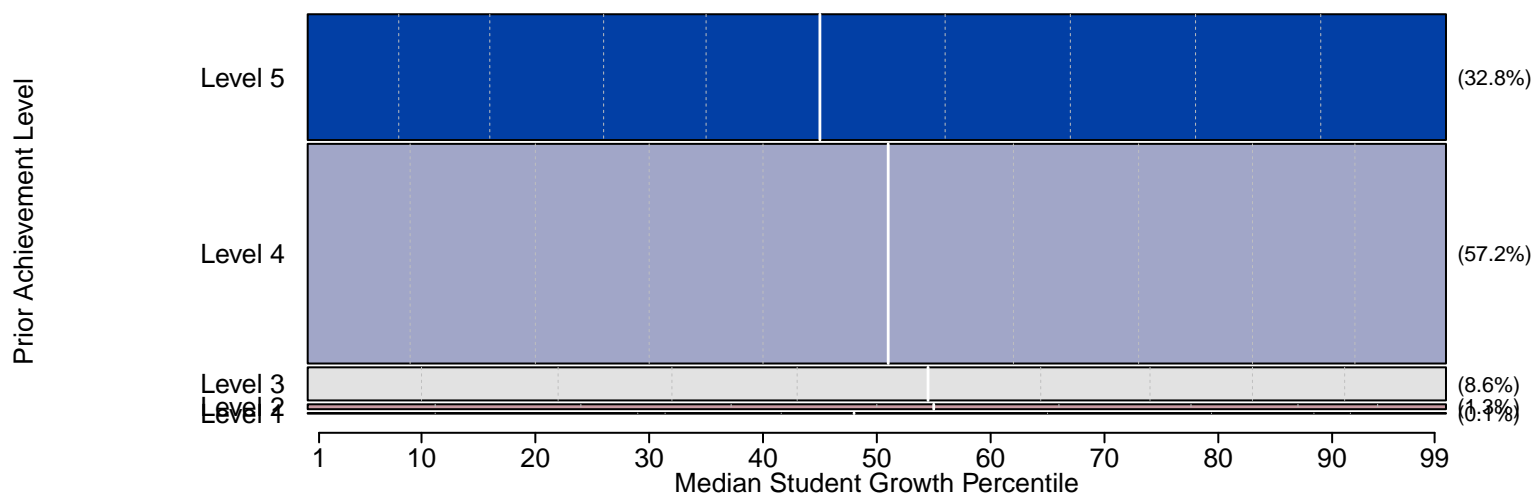# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.2 Algebra I SS SGP SIMEX, Grade EOCT (N = 12,884)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level:
- Level 5 (32.8%)
- Level 4 (57.2%)
- Level 3 (8.6%)
- Level 2 (1.3%)
- Level 1 (0.1%)

x-axis: 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:	[650,685]	76.0	16.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	N = 25
	[685,693]	42.3	15.4	7.7	11.5	11.5	7.7	0.0	0.0	0.0	0.0	3.8	0.0	N = 26
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	9.0	13.4	28.4	39.6	N = 134

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/[650,749)	8.86	8.78	8.70	9.03	9.28	8.45	10.52	10.85	11.93	13.59	(9.4%)
2nd/[749,760)	9.75	9.28	8.97	9.36	8.81	8.74	9.91	10.53	11.08	13.57	(10%)
3rd/[760,767)	8.60	8.51	9.96	9.45	10.13	9.11	10.21	9.87	10.04	14.13	(9.1%)
4th/[767,773)	9.26	10.05	9.65	9.81	10.36	6.65	10.60	9.73	10.36	13.53	(9.8%)
5th/[773,779)	11.19	8.90	9.91	9.71	6.74	9.51	8.50	10.59	10.32	14.63	(11.5%)
6th/[779,784)	9.72	10.84	10.28	9.72	10.12	10.04	10.76	9.56	7.97	11.00	(9.7%)
7th/[784,789)	13.01	8.65	10.46	9.06	8.81	11.29	7.74	10.96	9.64	10.38	(9.4%)
8th/[789,795)	12.09	10.28	9.81	10.91	9.81	9.34	7.54	10.52	9.97	9.73	(9.9%)
9th/[795,804)	13.26	9.61	10.71	9.69	11.07	10.05	8.81	9.54	7.43	9.83	(10.7%)
10th/[804,850)	12.60	12.68	11.27	8.47	8.11	11.64	7.89	9.51	8.11	9.73	(10.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0–100) vs Empirical SGP Distribution (0–100)