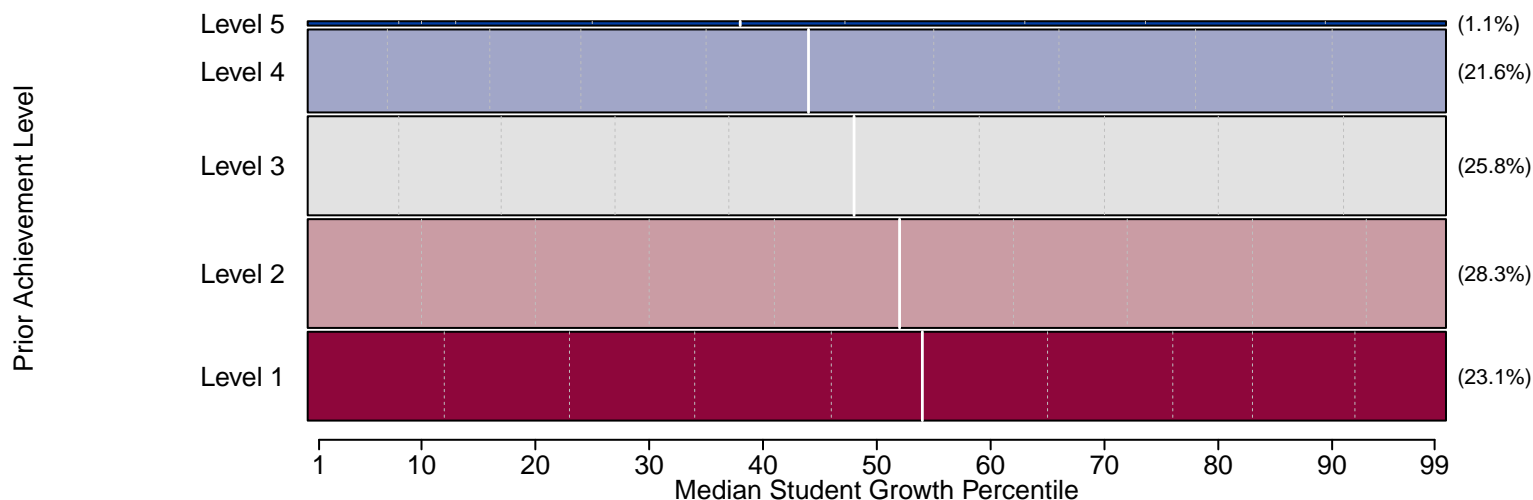# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 Integrated Math 1 SS SGP SIMEX, Grade EOCT (N = 12,528)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level:
- Level 5 (1.1%)
- Level 4 (21.6%)
- Level 3 (25.8%)
- Level 2 (28.3%)
- Level 1 (23.1%)

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]	94.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 128
Highest OSS:	[819,826)	0.0	0.0	3.8	0.0	11.5	3.8	3.8	7.7	19.2	11.5	15.4	23.1	N = 26
	[826,850]	0.0	0.0	0.0	0.0	3.8	15.4	3.8	3.8	11.5	11.5	23.1	26.9	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/[650,682)	8.55	8.21	10.85	8.72	5.21	10.51	11.45	8.72	12.05	15.73	(9.3%)
2nd/[682,696)	7.49	8.83	8.83	10.01	11.74	8.59	8.20	11.66	11.35	13.32	(10.1%)
3rd/[696,707)	8.88	8.26	9.10	10.02	9.41	10.33	5.81	12.32	10.79	15.07	(10.4%)
4th/[707,715)	8.65	10.05	11.19	9.88	8.65	10.58	8.92	9.35	10.23	12.50	(9.1%)
5th/[715,723)	11.01	11.41	7.98	9.26	9.10	10.38	9.50	9.98	9.90	11.49	(10%)
6th/[723,732)	10.22	8.76	10.22	8.99	9.45	10.29	9.83	10.60	10.14	11.52	(10.4%)
7th/[732,742)	10.96	10.96	12.45	8.74	9.56	9.56	8.66	8.49	9.65	10.96	(9.7%)
8th/[742,753)	12.89	11.14	11.30	9.02	8.64	9.33	8.49	10.24	7.73	11.22	(10.5%)
9th/[753,769)	12.26	11.94	9.45	12.02	9.76	7.88	8.90	8.27	8.98	10.54	(10.2%)
10th/[769,850]	14.80	13.07	8.50	10.39	10.31	7.32	9.13	8.43	7.80	10.24	(10.1%)

*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)