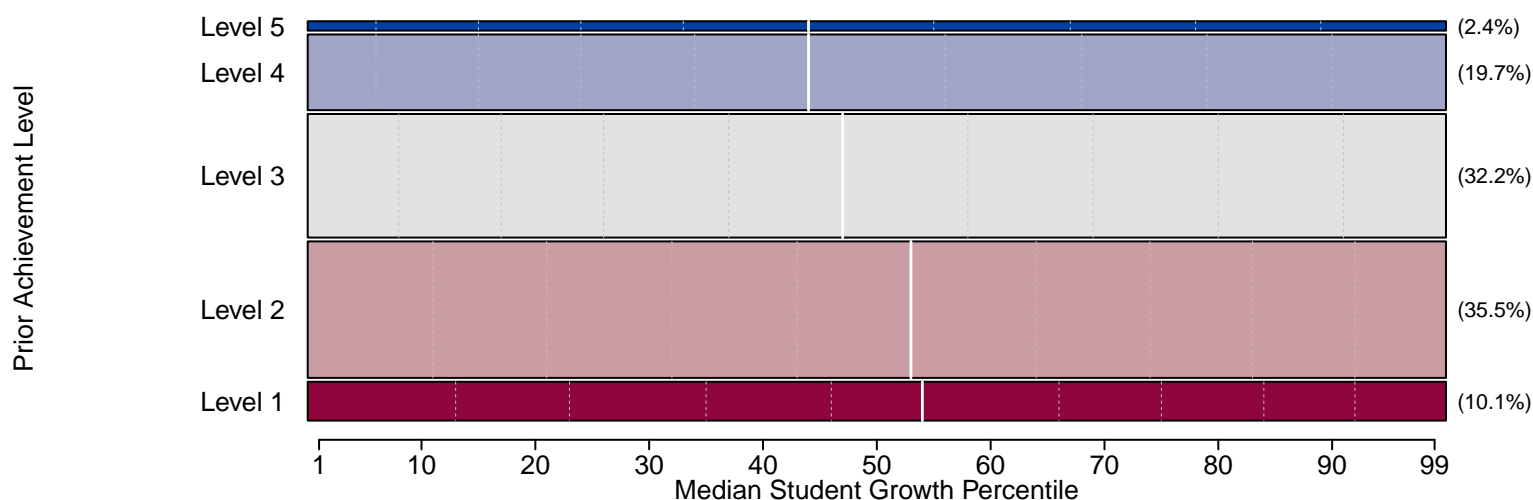# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 Algebra II SS SGP SIMEX, Grade EOCT (N = 67,945)

SGP Deciles by Prior Achievement Level (Geometry SS)

Prior Achievement Level:
- Level 5 (2.4%)
- Level 4 (19.7%)
- Level 3 (32.2%)
- Level 2 (35.5%)
- Level 1 (10.1%)

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]	46.2	26.1	26.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 2385
Highest OSS:	[850]	0.0	0.0	0.0	1.0	6.1	6.1	5.1	4.0	9.1	19.2	17.2	32.3	N = 99

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/[650,699)	2.09	13.28	10.07	9.34	8.94	9.98	10.18	11.08	11.31	13.74	(9.6%)
2nd/[699,708)	8.69	9.07	8.75	9.04	9.04	9.79	10.23	9.51	12.34	13.54	(9.8%)
3rd/[708,715)	8.47	9.32	8.34	9.87	9.16	10.06	9.80	11.19	10.66	13.12	(10.1%)
4th/[715,721)	8.84	9.46	9.40	9.72	10.18	8.91	9.95	9.97	10.72	12.86	(9.6%)
5th/[721,727)	9.65	10.17	10.20	8.68	10.46	8.51	9.70	9.58	10.68	12.37	(9.6%)
6th/[727,734)	11.11	10.16	9.83	9.65	9.07	9.17	10.70	8.87	9.73	11.71	(10.4%)
7th/[734,742)	12.63	12.00	9.89	10.85	8.35	8.56	8.90	9.62	9.22	9.98	(10.3%)
8th/[742,752)	13.36	11.56	10.18	10.20	8.34	9.34	8.31	8.02	9.01	11.68	(10.3%)
9th/[752,765)	14.19	10.83	10.29	8.95	9.61	8.23	8.56	9.16	9.35	10.82	(10%)
10th/[765,850]	13.96	11.29	11.32	9.02	10.30	8.11	9.35	8.85	8.48	9.33	(10.4%)

*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)