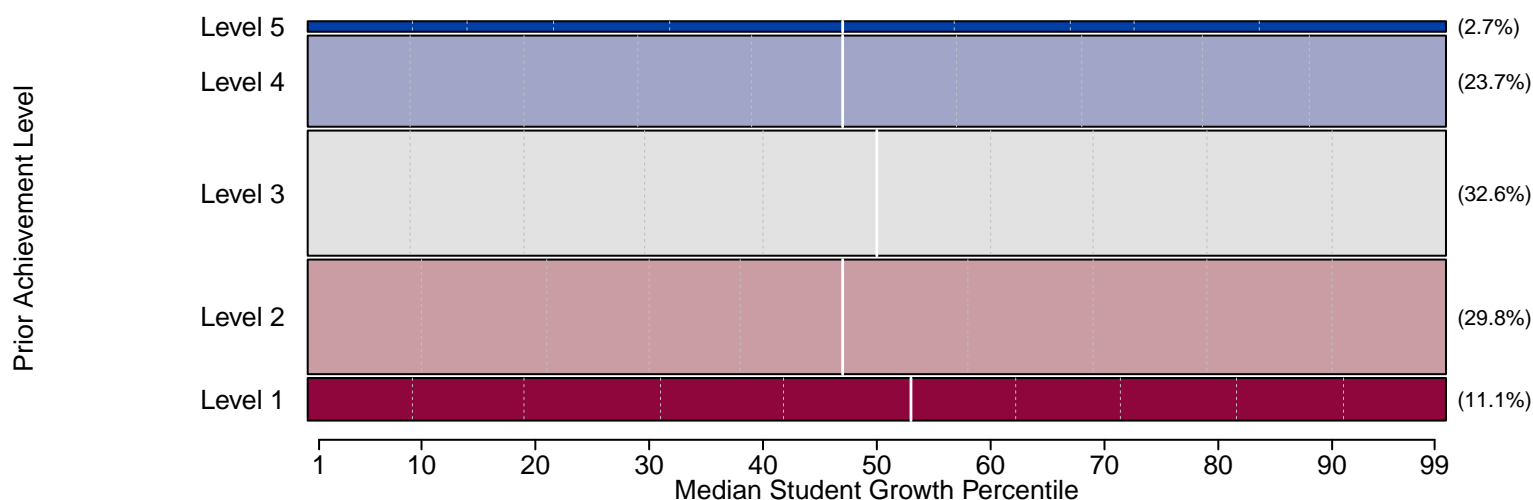# Student Growth Percentile Goodness–of–Fit Descriptives

2017–2018.1 Algebra II SGP, Grade EOCT (N = 2,372)

SGP Deciles by Prior Achievement Level (Geometry)

Prior Achievement Level

Level	(%)
Level 5	(2.7%)
Level 4	(23.7%)
Level 3	(32.6%)
Level 2	(29.8%)
Level 1	(11.1%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

Ceiling / Floor Effects Test

Current Observed Score Extremes (Range)

Student Growth Percentile 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,−2.121)	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 = 37
	[−2.121,−1.968]	63.6	29.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 44
Highest OSS:	[2.285,2.598]	0.0	0.0	4.2	4.2	0.0	8.3	12.5	16.7	12.5	12.5	12.5	16.7	N = 24
	[2.598,3.68]	0.0	0.0	3.8	0.0	0.0	0.0	7.7	7.7	7.7	26.9	23.1	23.1	N = 26

Student Growth Percentile Range

Prior Scale Score Decile/Range*

Prior 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,−1.304)	9.69	11.89	7.49	8.37	10.57	10.13	11.01	8.81	10.13	11.89	(9.6%)
2nd/[−1.304,−0.9991)	11.01	7.34	10.55	11.47	10.09	10.09	7.80	11.93	8.72	11.01	(9.2%)
3rd/[−0.9991,−0.6851)	9.47	10.98	14.02	9.85	8.33	11.36	10.98	8.33	8.33	8.33	(11.1%)
4th/[−0.6851,−0.3839)	7.66	7.66	10.21	12.34	12.34	8.09	10.21	11.06	10.64	9.79	(9.9%)
5th/[−0.3839,−0.0916)	12.82	8.97	5.98	7.69	8.55	13.68	8.55	8.55	11.54	13.68	(9.9%)
6th/[−0.0916,0.1797)	7.76	12.65	13.06	9.80	11.02	6.53	10.61	11.02	8.16	9.39	(10.3%)
7th/[0.1797,0.5288)	11.59	8.58	9.44	9.87	9.44	11.16	11.16	10.30	8.58	9.87	(9.8%)
8th/[0.5288,0.8803)	9.66	11.34	7.14	12.18	12.18	9.66	10.08	10.50	10.92	6.30	(10%)
9th/[0.8803,1.345)	10.00	9.58	14.58	9.17	10.83	10.83	8.75	9.58	7.50	9.17	(10.1%)
10th/[1.345,2.731]	10.92	12.18	7.14	8.82	10.50	10.50	8.82	8.82	13.45	8.82	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution