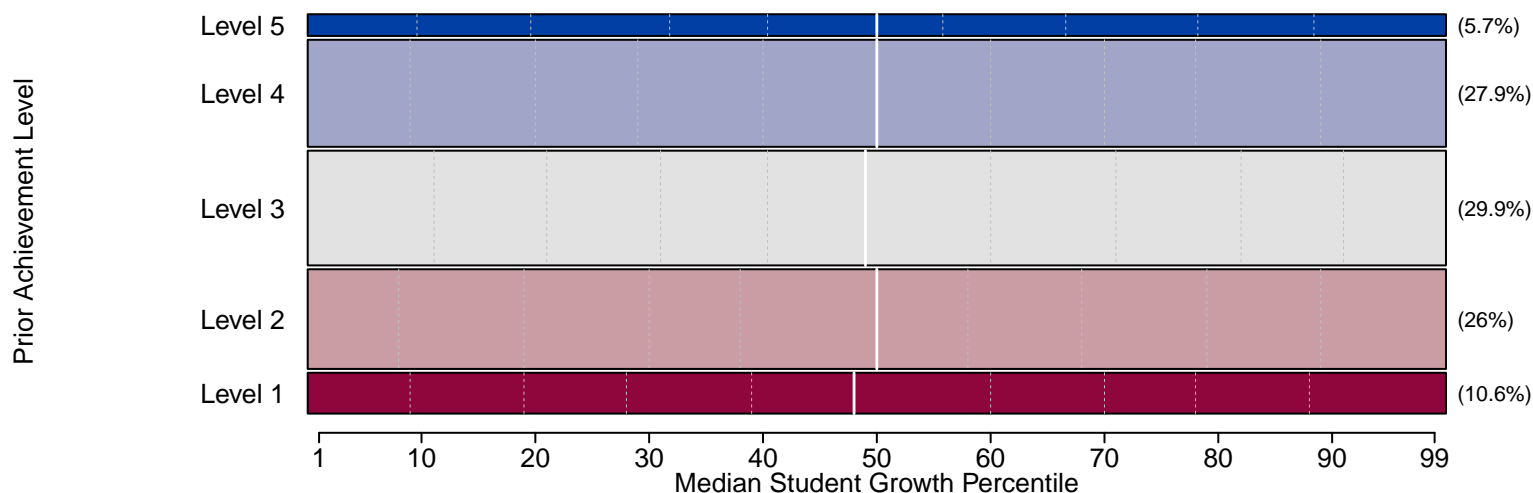# Student Growth Percentile Goodness–of–Fit Descriptives

2017–2018.2 Algebra II SGP, Grade EOCT (N = 1,044)

SGP Deciles by Prior Achievement Level (Geometry)

Prior Achievement Level	Median Student Growth Percentile	
Level 5		(5.7%)
Level 4		(27.9%)
Level 3		(29.9%)
Level 2		(26%)
Level 1		(10.6%)

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:	[−4.63,−1.764)	85.7	4.8	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 21
	[−1.764,−1.532)	35.9	23.1	23.1	15.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 39
Highest OSS:	[2.186,2.593)	4.0	0.0	12.0	12.0	8.0	8.0	12.0	4.0	20.0	8.0	8.0	4.0	N = 25
	[2.593,3.837]	0.0	0.0	3.8	0.0	3.8	3.8	3.8	19.2	3.8	19.2	15.4	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/[−4.1,−1.3)	8.77	10.53	14.04	8.77	12.28	8.77	12.28	8.77	7.02	8.77	(5.5%)
2nd/[−1.3,−0.92)	10.09	11.01	8.26	11.01	6.42	10.09	11.93	11.93	7.34	11.93	(10.4%)
3rd/[−0.92,−0.5)	12.03	10.53	11.28	8.27	12.78	10.53	6.77	9.77	9.77	8.27	(12.7%)
4th/[−0.5,−0.28)	11.76	8.24	7.06	15.29	4.71	9.41	10.59	14.12	9.41	9.41	(8.1%)
5th/[−0.28,0.07)	5.83	9.17	10.83	9.17	13.33	9.17	11.67	6.67	12.50	11.67	(11.5%)
6th/[0.07,0.43)	10.17	11.02	11.02	6.78	11.86	9.32	11.02	8.47	10.17	10.17	(11.3%)
7th/[0.43,0.76)	12.96	9.26	8.33	11.11	7.41	9.26	10.19	13.89	9.26	8.33	(10.3%)
8th/[0.76,1.1)	8.08	12.12	12.12	11.11	7.07	13.13	7.07	6.06	11.11	12.12	(9.5%)
9th/[1.1,1.6)	8.18	8.18	10.91	9.09	12.73	9.09	13.64	8.18	11.82	8.18	(10.5%)
10th/[1.6,3.3]	11.43	10.48	8.57	10.48	11.43	7.62	8.57	12.38	7.62	11.43	(10.1%)

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

QQ–Plot: Student Growth Percentiles