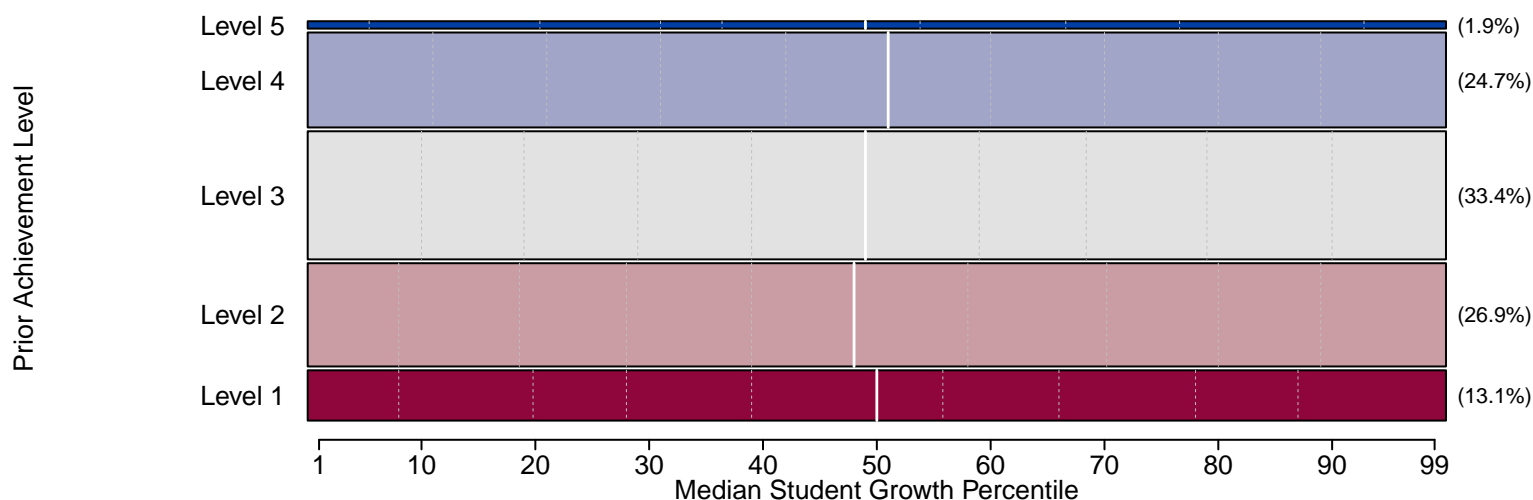# Student Growth Percentile Goodness–of–Fit Descriptives

2018–2019.1 Algebra II SGP, Grade EOCT (N = 1,298)

SGP Deciles by Prior Achievement Level (Geometry)

Prior Achievement Level:

- Level 5 (1.9%)
- Level 4 (24.7%)
- Level 3 (33.4%)
- Level 2 (26.9%)
- Level 1 (13.1%)

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,−1.825)	87.5	9.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 32
	[−1.825,−1.764]	54.3	20.0	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 35
Highest OSS:	[2.012,2.377)	0.0	3.7	3.7	3.7	7.4	3.7	3.7	14.8	7.4	14.8	14.8	22.2	N = 27
	[2.377,6.737]	3.6	0.0	0.0	3.6	7.1	3.6	7.1	7.1	10.7	21.4	14.3	21.4	N = 28

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)	12.50	10.83	10.00	7.50	6.67	10.00	12.50	9.17	13.33	7.50	(9.2%)
2nd/[−1.3,−0.92)	10.00	9.17	15.00	17.50	5.00	6.67	9.17	10.83	9.17	7.50	(9.2%)
3rd/[−0.92,−0.62)	5.74	9.84	9.02	9.02	10.66	17.21	9.84	4.10	12.30	12.30	(9.4%)
4th/[−0.62,−0.34)	15.29	7.01	10.83	11.46	7.01	9.55	7.64	12.10	12.74	6.37	(12.1%)
5th/[−0.34,−0.09)	12.00	13.00	12.00	9.00	8.00	12.00	12.00	7.00	6.00	9.00	(7.7%)
6th/[−0.09,0.22)	4.64	8.61	8.61	8.61	13.25	11.92	10.60	8.61	12.58	12.58	(11.6%)
7th/[0.22,0.55)	12.69	11.94	12.69	11.19	7.46	8.21	6.72	10.45	8.96	9.70	(10.3%)
8th/[0.55,0.87)	11.54	8.46	8.46	8.46	12.31	11.54	11.54	11.54	10.00	6.15	(10%)
9th/[0.87,1.3)	10.61	9.85	9.09	9.85	7.58	9.85	9.09	9.85	11.36	12.88	(10.2%)
10th/[1.3,3.3]	7.58	10.61	10.61	11.36	10.61	9.85	11.36	9.85	8.33	9.85	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100