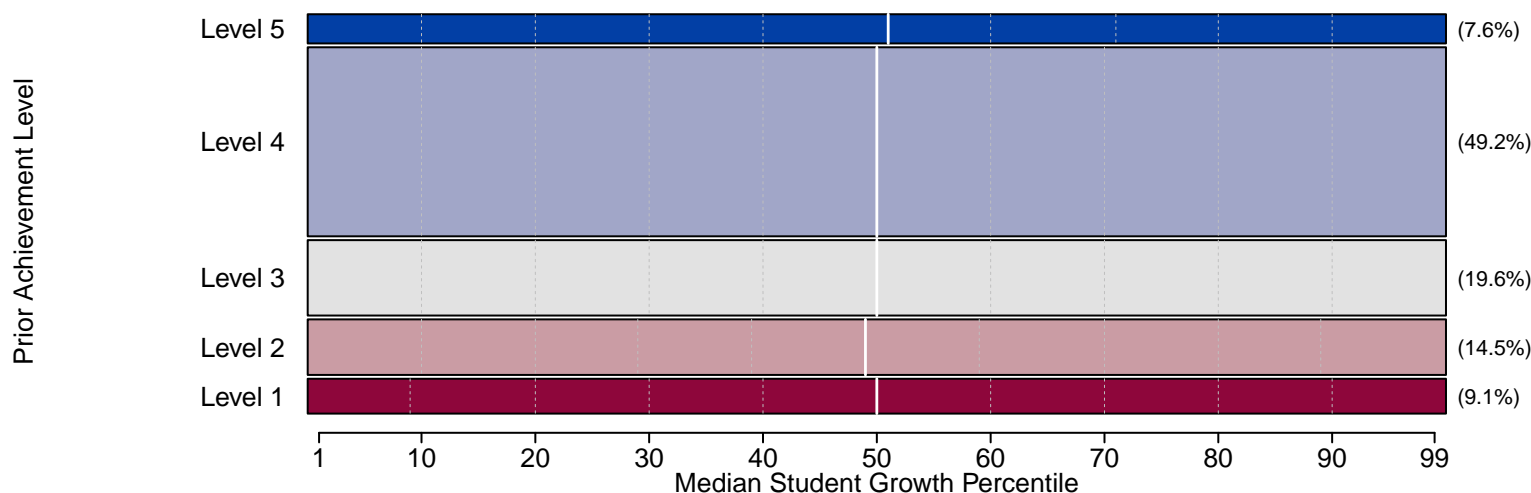# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Algebra II SGP, Grade EOCT (N = 13,572)

SGP Deciles by Prior Achievement Level (Algebra I)

Prior Achievement Level

Level 5	(7.6%)
Level 4	(49.2%)
Level 3	(19.6%)
Level 2	(14.5%)
Level 1	(9.1%)

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:	[−15,−3.08)	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 = 27
	[−3.08,−3.01]	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 = 31
Highest OSS:	[3.55,3.86)	0.0	0.0	0.0	0.0	0.0	0.0	3.7	7.4	22.2	29.6	18.5	18.5	N = 27
	[3.86,6.02]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	7.4	14.8	70.4	N = 27

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/[−15,−1.13)	10.10	9.65	9.72	9.72	10.02	10.02	10.40	10.25	9.34	10.78	(9.8%)
2nd/[−1.13,−0.585)	9.38	11.59	10.67	10.06	10.52	9.76	9.30	9.15	10.37	9.22	(9.7%)
3rd/[−0.585,−0.102)	9.70	8.11	9.92	9.78	9.78	10.21	10.72	9.92	10.35	11.51	(10.2%)
4th/[−0.102,0.281)	9.10	10.68	9.18	11.40	9.32	9.25	10.47	10.32	10.32	9.96	(10.3%)
5th/[0.281,0.633)	8.81	10.35	11.89	8.96	10.13	9.32	9.69	9.77	9.54	11.53	(10%)
6th/[0.633,0.921)	9.87	9.27	8.46	9.87	11.28	11.87	9.12	10.39	10.31	9.57	(9.9%)
7th/[0.921,1.21)	11.20	10.62	9.53	10.04	8.44	10.91	9.60	9.24	10.33	10.11	(10.1%)
8th/[1.21,1.54)	8.10	10.64	10.79	9.18	10.56	9.25	11.10	10.87	9.10	10.41	(9.6%)
9th/[1.54,2)	9.52	8.88	10.16	10.87	10.31	9.10	10.23	9.88	9.59	11.44	(10.4%)
10th/[2,7.49]	9.65	10.38	9.80	10.01	9.80	10.09	9.87	9.80	10.60	10.01	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution