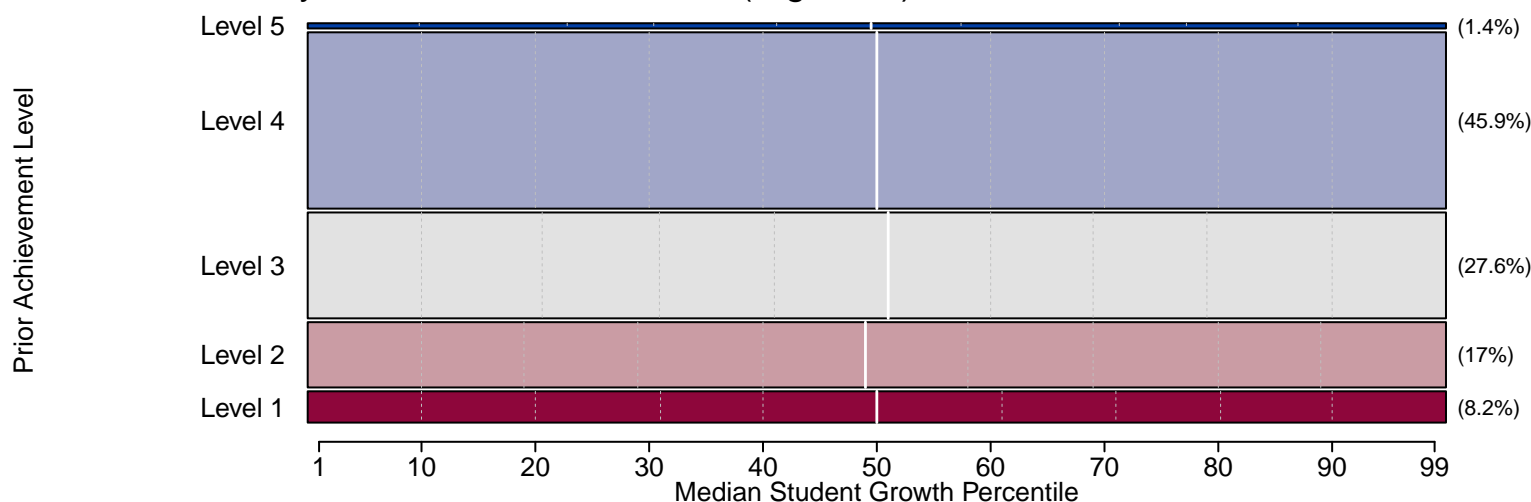# Student Growth Percentile Goodness–of–Fit Descriptives

2017–2018.2 Algebra II SGP, Grade EOCT (N = 5,889)

SGP Deciles by Prior Achievement Level (Algebra I)

Prior Achievement Level	
Level 5	(1.4%)
Level 4	(45.9%)
Level 3	(27.6%)
Level 2	(17%)
Level 1	(8.2%)

Median Student Growth Percentile

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,−2.132)	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 = 24
	[−2.132,−2.107]	92.3	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[2.311,2.447]	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	13.0	21.7	8.7	52.2	N = 23
	[2.447,3.522]	0.0	0.0	0.0	0.0	0.0	7.1	7.1	0.0	14.3	17.9	21.4	32.1	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/[−15,−1.012)	9.95	9.76	9.76	11.03	9.22	8.86	10.49	10.31	10.13	10.49	(9.4%)
2nd/[−1.012,−0.5655)	9.34	11.21	10.36	8.15	10.87	12.22	8.83	10.19	9.17	9.68	(10%)
3rd/[−0.5655,−0.2081)	10.25	8.91	9.58	11.26	11.26	9.08	10.59	10.08	9.75	9.24	(10.1%)
4th/[−0.2081,0.065)	9.06	9.23	9.72	9.72	8.40	8.73	10.87	10.05	12.03	12.19	(10.3%)
5th/[0.065,0.3115)	9.15	9.83	10.51	10.17	10.17	10.68	11.02	9.66	8.14	10.68	(10%)
6th/[0.3115,0.587)	9.93	11.62	10.10	9.60	10.27	10.10	8.42	10.61	10.44	8.92	(10.1%)
7th/[0.587,0.8291)	9.28	10.16	8.76	10.86	10.68	10.16	9.46	9.63	10.51	10.51	(9.7%)
8th/[0.8291,1.084)	11.26	9.73	11.60	9.22	9.73	9.56	9.73	9.39	9.22	10.58	(10%)
9th/[1.084,1.449)	8.86	8.36	10.20	9.53	9.53	10.03	10.37	9.87	11.54	11.71	(10.2%)
10th/[1.449,3.964]	9.41	11.06	9.08	10.56	10.40	10.23	10.07	10.73	9.08	9.41	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution