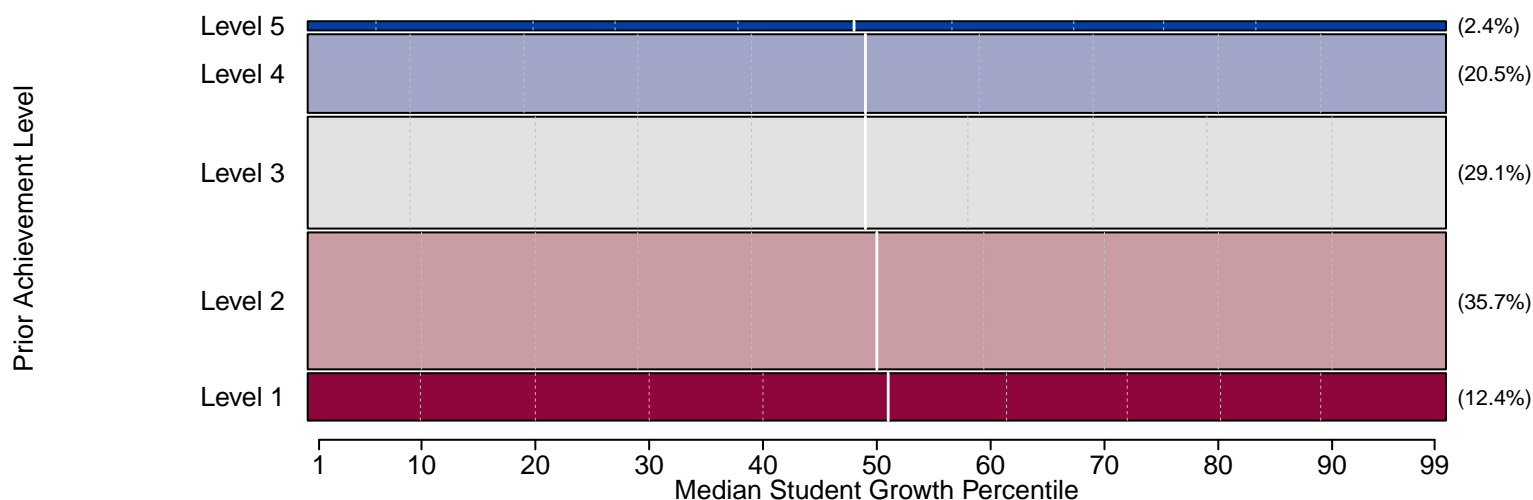# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.1 Algebra II SS SGP, Grade EOCT (N = 2,510)

SGP Deciles by Prior Achievement Level (Geometry SS)

Prior Achievement Level

Level	(%)
Level 5	(2.4%)
Level 4	(20.5%)
Level 3	(29.1%)
Level 2	(35.7%)
Level 1	(12.4%)

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:	[650]	70.5	13.9	14.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 122
Highest OSS:	[803,812)	4.2	0.0	0.0	0.0	8.3	0.0	4.2	8.3	4.2	33.3	8.3	29.2	N = 24
	[812,850]	7.1	0.0	0.0	3.6	3.6	3.6	7.1	7.1	7.1	21.4	10.7	28.6	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/[650,696)	10.00	8.18	11.36	11.36	8.64	9.55	9.55	9.09	13.64	8.64	(8.8%)
2nd/[696,705)	9.95	9.05	10.86	9.50	11.31	9.05	7.24	12.22	9.50	11.31	(8.8%)
3rd/[705,713)	9.44	10.49	8.74	10.14	9.79	8.74	12.94	7.69	9.44	12.59	(11.4%)
4th/[713,720)	8.37	10.76	9.96	11.16	7.57	12.75	8.37	7.97	11.95	11.16	(10%)
5th/[720,727)	10.63	9.45	12.60	8.66	8.27	12.20	9.45	11.81	9.06	7.87	(10.1%)
6th/[727,734)	10.57	10.57	11.01	10.57	10.57	7.49	10.57	8.37	9.69	10.57	(9%)
7th/[734,743)	11.07	9.00	10.73	9.00	9.00	11.42	9.69	11.76	9.00	9.34	(11.5%)
8th/[743,752)	9.28	10.13	8.86	10.13	12.24	11.39	10.13	8.86	8.44	10.55	(9.4%)
9th/[752,765)	11.28	8.17	12.06	9.73	6.61	9.34	12.06	8.56	12.45	9.73	(10.2%)
10th/[765,813]	11.19	10.07	9.33	11.19	11.19	9.70	8.96	8.96	10.45	8.96	(10.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution