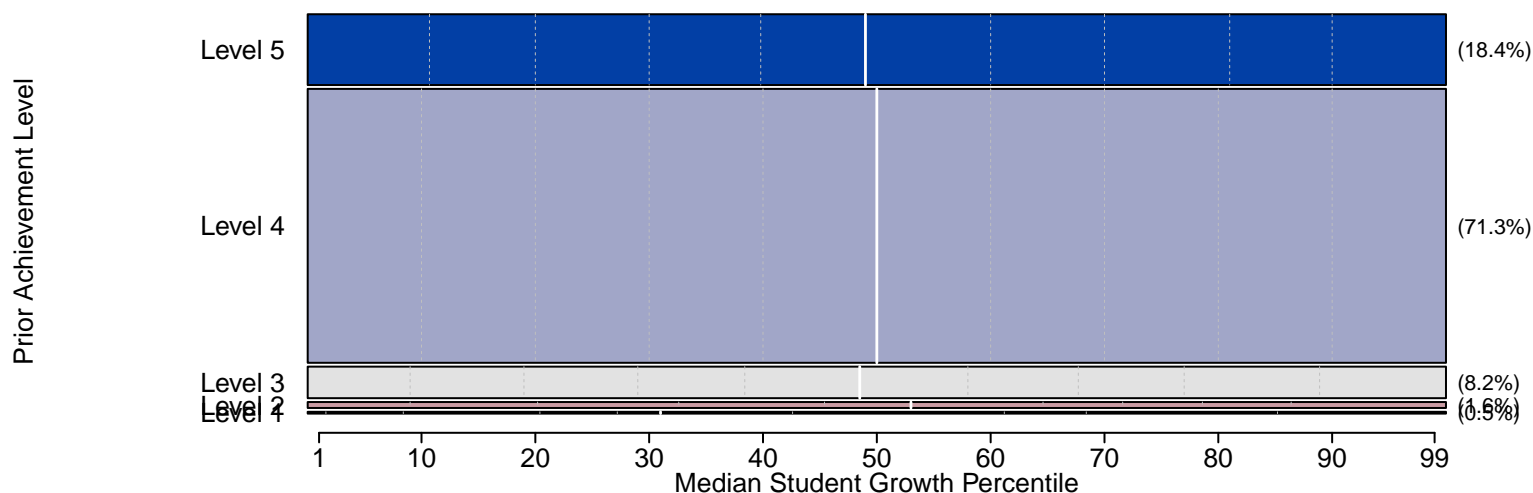# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Algebra II SS SGP, Grade EOCT (N = 3,677)

SGP Deciles by Prior Achievement Level (Algebra I SS)

Prior Achievement Level

	Median Student Growth Percentile	
Level 5		(18.4%)
Level 4		(71.3%)
Level 3		(8.2%)
Level 2		(1.6%)
Level 1		(0.5%)

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:	[650,678)	52.2	21.7	17.4	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 23
	[678,685]	57.1	14.3	10.7	14.3	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	N = 28
Highest OSS:	[841,850)	0.0	0.0	0.0	0.0	0.0	0.0	5.0	15.0	10.0	10.0	15.0	45.0	N = 20
	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	19.4	19.4	35.5	N = 31

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/[653,749)	11.30	9.60	11.02	9.32	10.17	10.45	11.58	9.32	8.19	9.04	(9.6%)
2nd/[749,761)	9.16	9.69	9.16	8.64	10.21	9.16	9.95	10.99	11.78	11.26	(10.4%)
3rd/[761,770)	10.45	7.46	8.66	11.34	11.64	10.45	10.75	7.46	10.15	11.64	(9.1%)
4th/[770,776)	9.20	12.64	11.78	11.21	9.20	9.48	6.90	9.48	9.20	10.92	(9.5%)
5th/[776,783)	7.67	9.65	10.64	9.65	9.90	9.16	10.64	10.64	11.88	10.15	(11%)
6th/[783,789)	10.95	10.36	11.54	9.47	9.17	11.54	10.06	9.17	7.69	10.06	(9.2%)
7th/[789,796)	10.91	8.88	9.14	8.38	9.39	10.91	9.90	11.93	10.15	10.41	(10.7%)
8th/[796,804)	9.38	10.72	8.31	9.92	10.72	9.38	11.53	10.99	9.92	9.12	(10.1%)
9th/[804,815)	9.41	11.56	10.48	11.29	10.22	9.41	9.68	8.60	9.41	9.95	(10.1%)
10th/[815,850]	9.81	8.75	9.81	10.08	10.08	9.81	9.55	10.08	10.61	11.41	(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