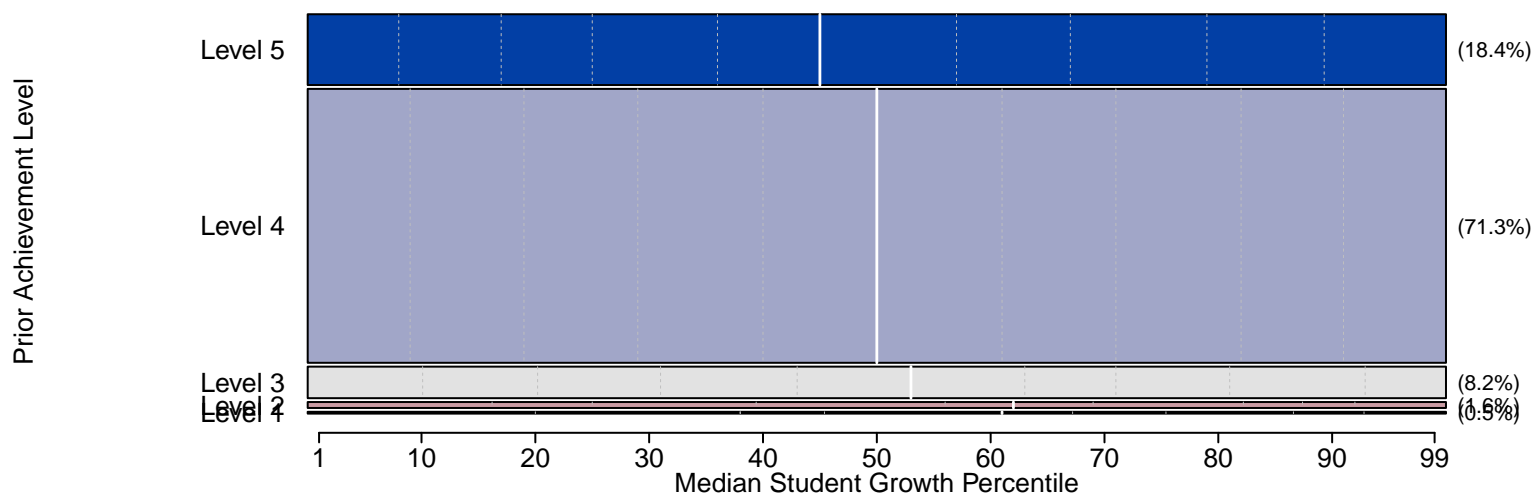# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.2 Algebra II SS SGP SIMEX, Grade EOCT (N = 3,677)

SGP Deciles by Prior Achievement Level (Algebra I SS)

Prior Achievement Level:
- Level 5 (18.4%)
- Level 4 (71.3%)
- Level 3 (8.2%)
- Level 2 (1.6%)
- Level 1 (0.5%)

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:	[650,678)	30.4	13.0	39.1	8.7	0.0	4.3	4.3	0.0	0.0	0.0	0.0	0.0	N = 23
	[678,685)	42.9	10.7	21.4	7.1	10.7	0.0	0.0	7.1	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	15.0	20.0	5.0	10.0	10.0	40.0	N = 20
	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	3.2	19.4	19.4	32.3	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)	7.91	10.17	7.91	10.17	8.76	11.58	11.58	7.91	10.73	13.28	(9.6%)
2nd/[749,761)	7.85	9.95	9.69	6.81	10.73	7.59	10.47	10.21	12.83	13.87	(10.4%)
3rd/[761,770)	10.15	8.06	7.46	10.45	10.75	11.64	10.45	6.57	11.04	13.43	(9.1%)
4th/[770,776)	10.63	12.93	10.06	9.20	9.77	9.77	7.18	7.47	10.92	12.07	(9.5%)
5th/[776,783)	8.91	9.41	9.90	9.65	8.17	8.42	11.14	10.40	12.62	11.39	(11%)
6th/[783,789)	13.31	10.95	9.47	10.36	7.99	10.95	8.88	9.76	8.28	10.06	(9.2%)
7th/[789,796)	13.20	8.38	9.64	8.12	8.88	10.41	10.15	9.90	9.64	11.68	(10.7%)
8th/[796,804)	11.53	11.26	7.51	11.26	9.12	8.85	10.72	10.72	8.04	10.99	(10.1%)
9th/[804,815)	12.90	11.56	11.02	9.95	10.75	8.06	8.06	8.87	8.60	10.22	(10.1%)
10th/[815,850)	12.20	13.53	7.96	11.94	6.90	10.61	10.61	7.96	8.49	9.81	(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