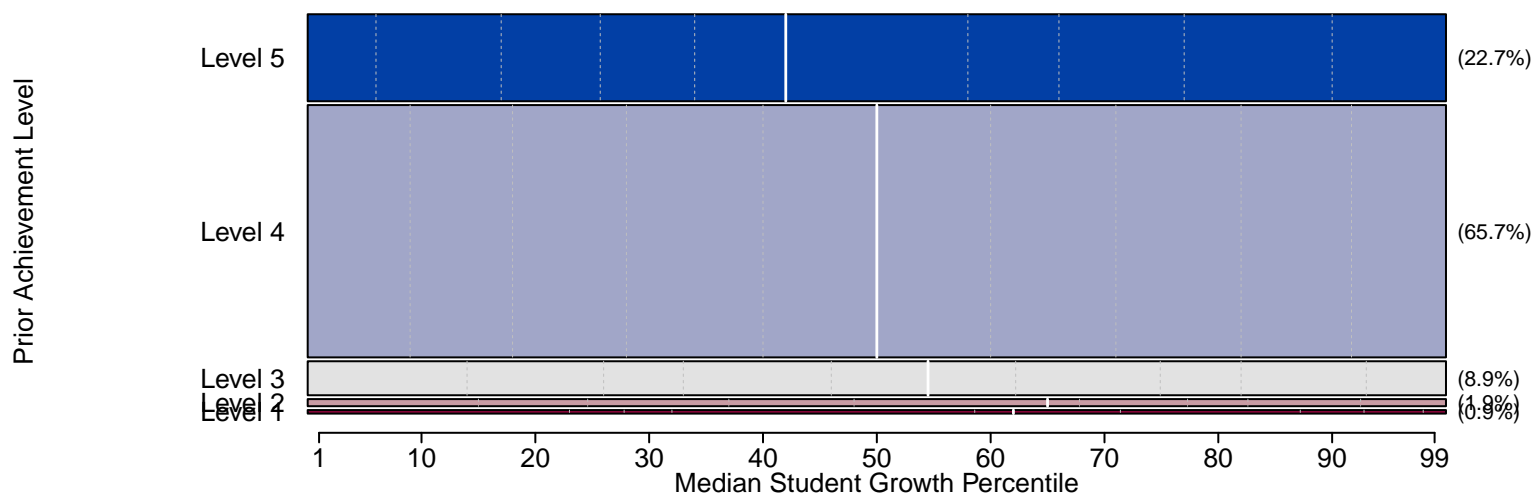# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 Algebra II SS SGP SIMEX, Grade EOCT (N = 2,913)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level (y-axis):
- Level 5 (22.7%)
- Level 4 (65.7%)
- Level 3 (8.9%)
- Level 2 (1.8%)
- Level 1 (0.9%)

Median Student Growth Percentile (x-axis)

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:	[650,673)	34.6	11.5	26.9	15.4	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 26
	[673,680]	23.3	13.3	20.0	13.3	13.3	0.0	0.0	6.7	0.0	0.0	3.3	6.7	N = 30
Highest OSS:	[829,837)	0.0	0.0	0.0	0.0	0.0	3.6	7.1	17.9	10.7	14.3	14.3	32.1	N = 28
	[837,850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	22.6	25.8	45.2	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/[650,747)	7.24	8.62	7.93	10.69	8.62	9.31	12.07	8.62	13.79	13.10	(10%)
2nd/[747,761)	9.51	10.92	9.15	9.51	9.86	10.21	7.75	11.62	8.10	13.38	(9.7%)
3rd/[761,770)	10.54	7.82	8.50	7.82	8.50	9.86	9.52	10.88	12.93	13.61	(10.1%)
4th/[770,777)	8.70	9.42	9.42	11.23	9.06	6.16	10.14	10.51	9.78	15.58	(9.5%)
5th/[777,783)	9.18	12.59	8.84	7.48	10.20	10.54	10.54	8.50	7.48	14.63	(10.1%)
6th/[783,789)	12.54	11.11	12.19	8.60	9.32	9.68	7.89	8.96	10.04	9.68	(9.6%)
7th/[789,795)	11.76	9.69	11.76	6.23	11.42	11.42	6.57	8.30	11.76	11.07	(9.9%)
8th/[795,803)	11.22	11.22	12.18	8.33	11.54	6.73	10.58	7.69	11.22	9.29	(10.7%)
9th/[803,814)	12.46	12.12	11.11	9.76	6.40	7.74	10.44	10.77	7.07	12.12	(10.2%)
10th/[814,850]	12.08	12.08	13.42	11.41	9.40	8.05	9.40	5.70	9.40	9.06	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (top axis)
Empirical SGP Distribution (y-axis)