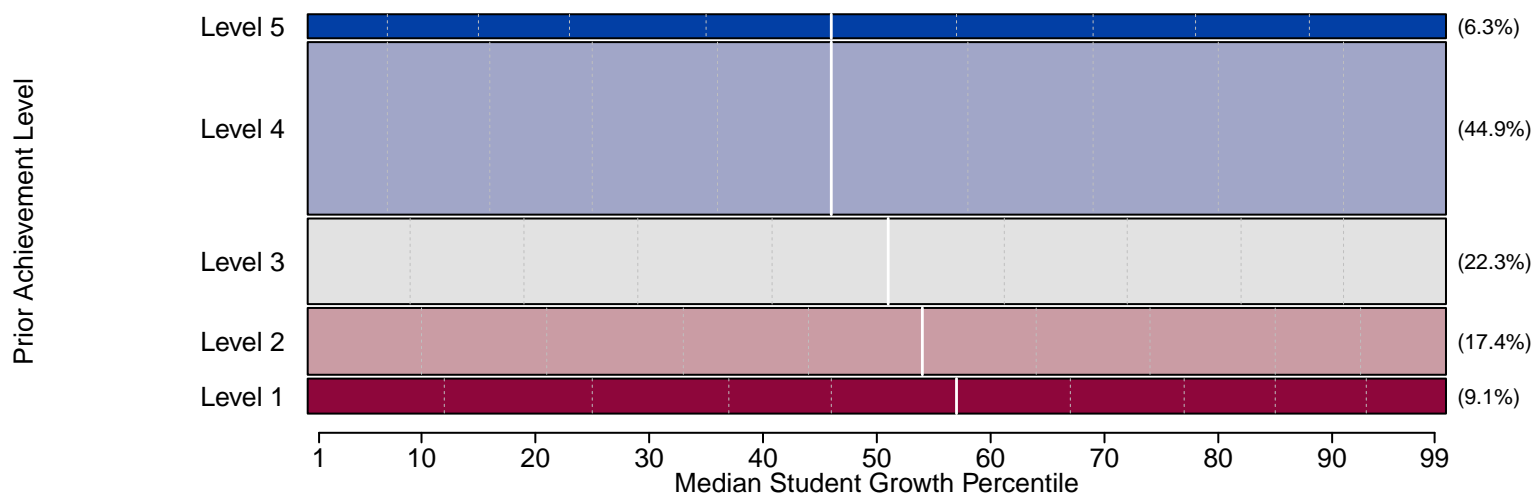# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.2 Algebra II SGP SIMEX, Grade EOCT (N = 11,698)

SGP Deciles by Prior Achievement Level (Algebra I)

Prior Achievement Level (y-axis) vs Median Student Growth Percentile (x-axis):

- Level 5 (6.3%)
- Level 4 (44.9%)
- Level 3 (22.3%)
- Level 2 (17.4%)
- Level 1 (9.1%)

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,−3.189)	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 = 22
	[−3.189,−2.638]	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 = 29
Highest OSS:	[3.279,3.465)	0.0	0.0	0.0	0.0	4.3	8.7	4.3	8.7	13.0	17.4	34.8	8.7	N = 23
	[3.465,6.445]	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.7	6.7	13.3	16.7	53.3	N = 30

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/[−10,−1.059)	7.78	8.63	9.57	6.41	11.11	9.83	8.72	9.83	14.27	13.85	(10%)
2nd/[−1.059,−0.5674)	9.16	9.50	8.13	9.25	9.16	11.13	9.25	10.27	9.59	14.55	(10%)
3rd/[−0.5674,−0.1289)	9.50	8.73	8.73	9.50	8.13	9.32	9.58	11.46	11.98	13.09	(10%)
4th/[−0.1289,0.2367)	10.41	9.39	11.09	8.70	7.68	10.24	10.24	9.13	11.01	12.12	(10%)
5th/[0.2367,0.583)	11.21	11.80	9.75	7.78	11.12	9.15	8.98	8.90	8.73	12.57	(10%)
6th/[0.583,0.8853)	13.01	11.13	9.16	10.10	8.99	8.65	8.99	8.65	10.27	11.04	(10%)
7th/[0.8853,1.214)	12.30	11.61	9.91	8.28	8.97	8.37	8.20	8.88	11.53	11.96	(10%)
8th/[1.214,1.577)	13.08	11.88	8.55	9.57	8.12	10.68	9.83	8.63	9.06	10.60	(10%)
9th/[1.577,2.085)	12.99	9.57	9.74	10.17	10.85	9.32	9.23	8.89	6.92	12.31	(10%)
10th/[2.085,6.686]	13.83	12.72	10.50	9.48	8.80	8.88	8.20	8.80	9.39	9.39	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis) vs Empirical SGP Distribution (y-axis)