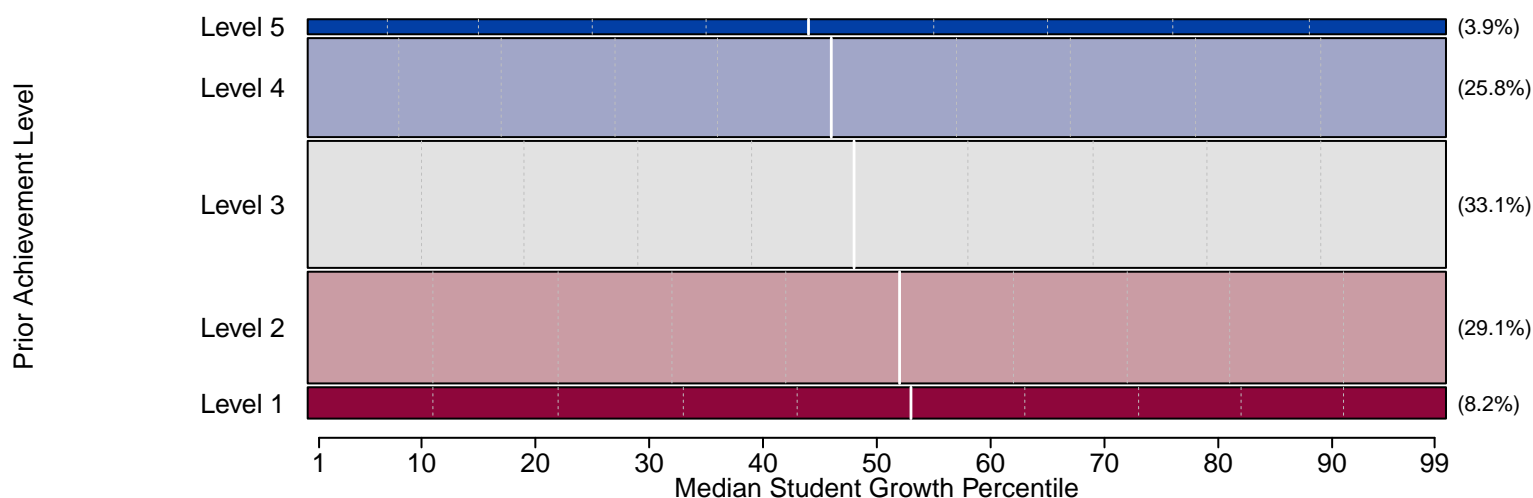# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Algebra II SGP SIMEX Ranked, Grade EOCT (N = 79,483)

SGP Deciles by Prior Achievement Level (Geometry)

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,−4.221)	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 = 27
	[−4.221,−4.216]	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:	[3.97,4.18)	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	12.0	12.0	24.0	48.0	N = 25
	[4.18,5.54]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	10.3	82.8	N = 29

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/[−15,−1.27)	7.97	8.57	9.33	10.44	9.33	10.88	10.29	9.90	11.25	12.04	(9.1%)
2nd/[−1.27,−0.837)	8.62	9.17	9.84	9.79	9.87	9.89	10.20	10.95	10.04	11.63	(10.8%)
3rd/[−0.837,−0.534)	8.29	9.78	9.91	10.04	9.59	10.13	10.01	10.71	10.81	10.73	(9.2%)
4th/[−0.534,−0.274)	8.35	9.60	9.75	9.62	10.15	10.01	9.86	10.70	10.46	11.49	(10.7%)
5th/[−0.274,−0.002)	9.67	10.42	9.83	10.17	10.46	9.93	9.47	10.42	9.75	9.89	(9.5%)
6th/[−0.002,0.295)	9.53	9.89	10.62	10.51	10.28	10.46	9.69	9.67	9.58	9.78	(10.4%)
7th/[0.295,0.604)	10.97	11.65	9.99	9.69	10.16	10.14	9.46	9.29	9.15	9.50	(10.1%)
8th/[0.604,0.968)	11.11	11.12	10.40	9.65	10.19	9.76	9.67	9.04	9.36	9.68	(10.1%)
9th/[0.968,1.43)	11.87	10.87	10.97	9.99	9.78	9.20	9.63	8.90	9.20	9.61	(10.1%)
10th/[1.43,4.75]	12.20	11.16	10.80	10.23	9.67	9.34	9.79	9.51	8.91	8.38	(10%)

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

QQ–Plot: Student Growth Percentiles