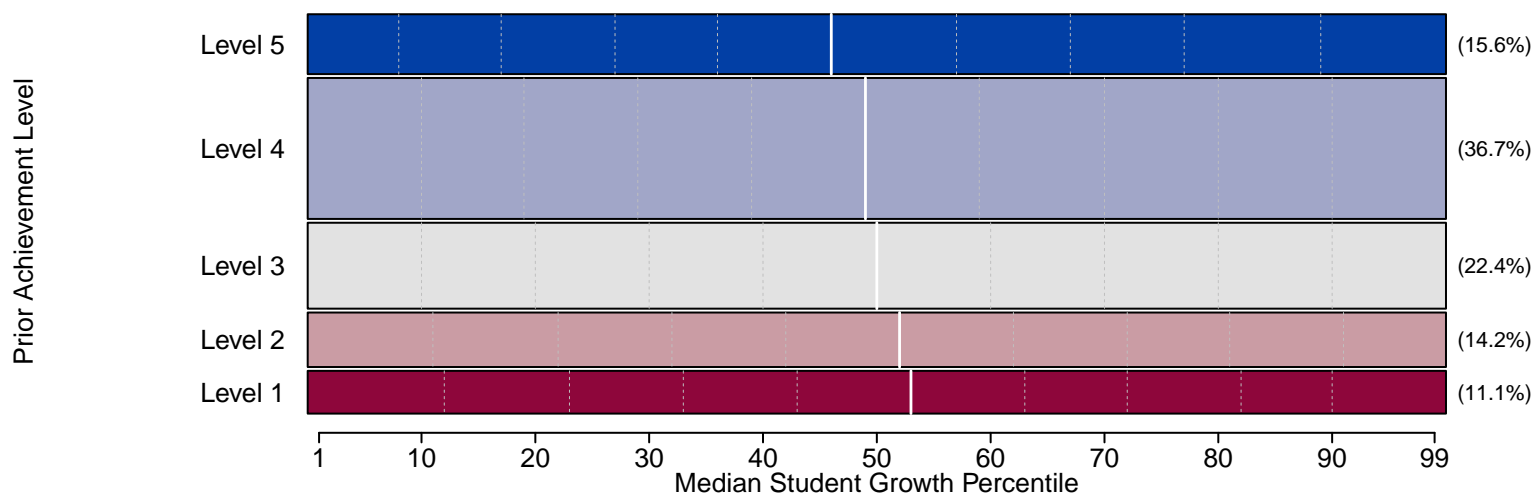# Student Growth Percentile Goodness–of–Fit Descriptives

2017–2018.2 ELA SGP SIMEX Ranked, Grade 9 (N = 110,582)

SGP Deciles by Prior Achievement Level (ELA)

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,−4.167)	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 = 12
	[−4.167,−3.752]	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 = 42
Highest OSS:	[3.919,4.169)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	22.2	66.7	N = 9
	[4.169,6.926]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.5	6.5	84.8	N = 46

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,−1.338)	7.90	8.94	9.38	10.16	9.93	10.67	10.29	10.62	11.01	11.11	(10%)
2nd/[−1.338,−0.7672)	8.20	9.48	9.25	9.46	10.03	9.77	11.13	10.24	11.21	11.25	(9.9%)
3rd/[−0.7672,−0.3654)	9.17	9.70	9.64	9.87	10.29	10.08	10.71	10.01	10.12	10.41	(9.9%)
4th/[−0.3654,−0.0433)	9.17	10.12	10.07	9.70	10.26	10.10	9.88	10.01	10.20	10.50	(9.9%)
5th/[−0.0433,0.2702)	9.55	9.54	10.11	10.11	9.67	9.85	9.71	10.41	9.62	11.42	(10.2%)
6th/[0.2702,0.5755)	8.96	10.06	9.87	9.53	10.04	9.75	9.85	10.22	10.48	11.25	(10.1%)
7th/[0.5755,0.913)	9.98	10.14	9.86	10.02	9.95	9.94	10.03	9.73	9.80	10.56	(10%)
8th/[0.913,1.27)	10.15	10.51	10.48	10.58	10.14	9.61	9.81	9.91	9.26	9.55	(9.8%)
9th/[1.27,1.754)	10.80	11.01	10.08	10.25	10.10	9.76	9.79	9.59	9.50	9.12	(10.1%)
10th/[1.754,8.743]	11.46	11.10	10.79	10.28	9.96	9.88	9.44	8.95	9.07	9.08	(10.2%)

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

QQ–Plot: Student Growth Percentiles