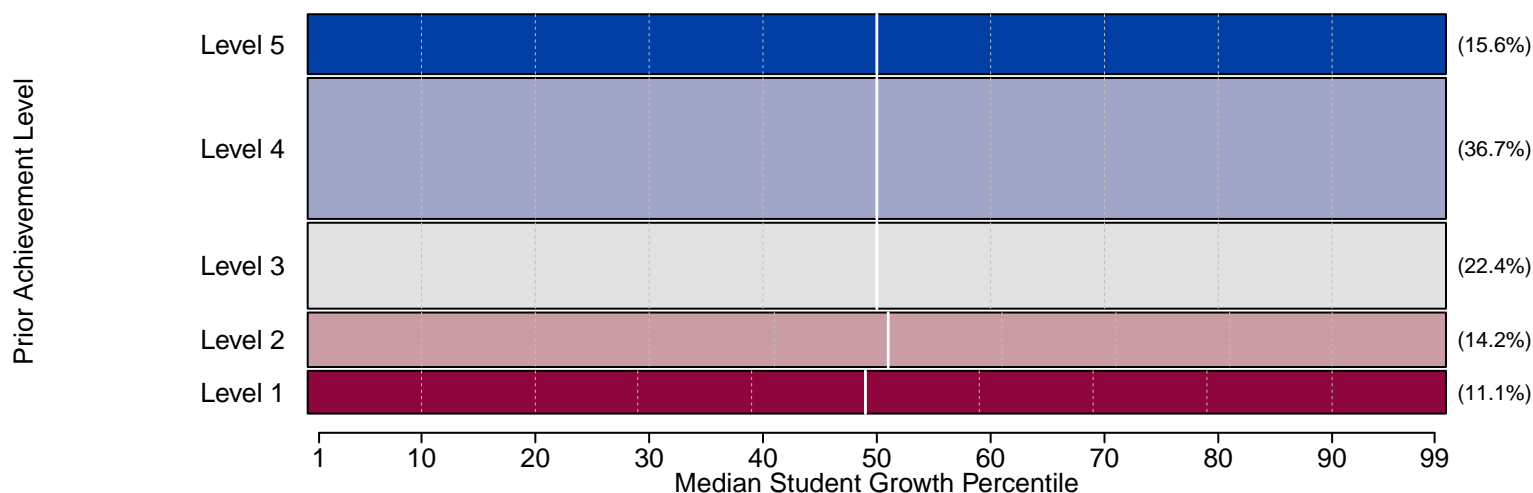# Student Growth Percentile Goodness–of–Fit Descriptives
2017–2018.2 ELA SGP, Grade 9 (N = 110,582)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level	Percentage
Level 5	(15.6%)
Level 4	(36.7%)
Level 3	(22.4%)
Level 2	(14.2%)
Level 1	(11.1%)

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:	[−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	0.0	33.3	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	2.2	89.1	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)	9.90	10.15	10.49	10.20	10.00	10.14	9.78	9.57	9.69	10.08	(10%)
2nd/[−1.338,−0.7672)	9.23	10.01	9.75	9.62	9.79	9.80	10.33	10.33	10.17	10.97	(9.9%)
3rd/[−0.7672,−0.3654)	9.72	10.09	9.87	9.93	10.11	10.12	10.12	9.97	9.86	10.21	(9.9%)
4th/[−0.3654,−0.0433)	9.52	10.18	10.23	9.96	10.20	9.98	9.66	9.95	10.09	10.22	(9.9%)
5th/[−0.0433,0.2702)	9.85	9.61	10.08	10.17	9.75	9.90	9.95	9.93	9.70	11.05	(10.2%)
6th/[0.2702,0.5755)	9.08	10.11	9.77	9.68	10.03	9.87	10.06	10.22	10.38	10.82	(10.1%)
7th/[0.5755,0.913)	9.95	10.18	9.60	10.13	9.86	10.15	10.29	9.80	9.82	10.22	(10%)
8th/[0.913,1.27)	9.86	10.11	10.40	10.35	10.20	9.87	10.07	9.80	9.52	9.81	(9.8%)
9th/[1.27,1.754)	9.75	10.30	10.05	9.76	10.08	9.99	9.90	9.95	10.21	10.01	(10.1%)
10th/[1.754,8.743]	9.48	9.82	9.93	10.06	9.76	9.94	9.96	9.96	10.12	10.97	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution