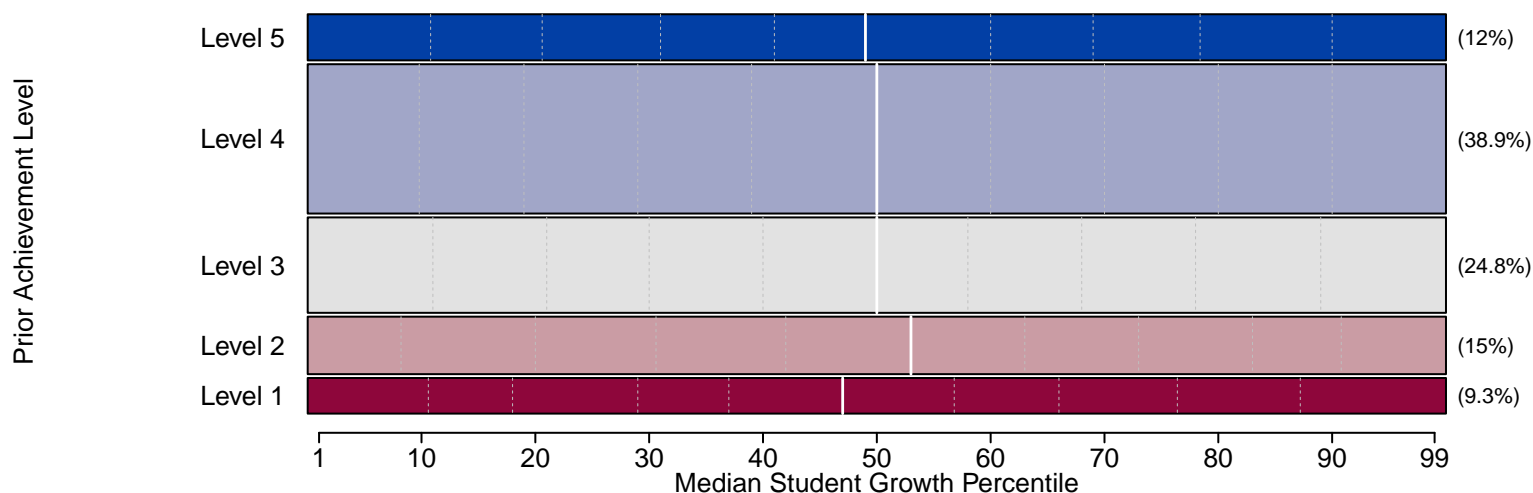# Student Growth Percentile Goodness–of–Fit Descriptives

2017–2018.1 ELA SGP, Grade 10 (N = 1,823)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level

Level	(%)
Level 5	(12%)
Level 4	(38.9%)
Level 3	(24.8%)
Level 2	(15%)
Level 1	(9.3%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

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:	[−3.073,−1.99)	75.9	17.2	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 29
	[−1.99,−1.857]	14.7	14.7	50.0	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 34
Highest OSS:	[2.177,2.401)	0.0	0.0	0.0	0.0	8.3	0.0	8.3	8.3	16.7	8.3	25.0	25.0	N = 24
	[2.401,3.563]	0.0	0.0	0.0	3.7	0.0	0.0	0.0	7.4	11.1	22.2	11.1	44.4	N = 27

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/[−3.73,−1.139)	10.06	11.83	8.88	12.43	11.24	7.69	11.83	8.28	9.47	8.28	(9.3%)
2nd/[−1.139,−0.5717)	9.95	8.38	10.99	6.81	8.90	10.47	9.42	13.09	10.99	10.99	(10.5%)
3rd/[−0.5717,−0.2444)	11.76	10.00	10.00	9.41	11.18	10.00	8.24	7.65	11.76	10.00	(9.3%)
4th/[−0.2444,0.0393)	8.99	10.11	8.43	11.24	9.55	10.67	10.67	11.24	9.55	9.55	(9.8%)
5th/[0.0393,0.3021)	8.56	9.09	11.76	9.09	11.76	11.23	11.23	6.95	9.09	11.23	(10.3%)
6th/[0.3021,0.5569)	12.02	10.93	10.38	7.10	9.29	7.10	9.29	12.02	11.48	10.38	(10%)
7th/[0.5569,0.8475)	5.46	11.48	9.84	13.66	10.93	10.93	9.84	10.38	8.20	9.29	(10%)
8th/[0.8475,1.179)	12.83	8.56	10.16	9.09	7.49	10.16	10.16	11.76	9.09	10.70	(10.3%)
9th/[1.179,1.598)	8.20	11.48	8.20	9.29	11.48	10.93	10.38	7.10	12.02	10.93	(10%)
10th/[1.598,3.988]	10.42	9.90	10.42	10.42	10.94	7.81	10.42	10.42	8.85	10.42	(10.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100