Student Growth Percentile Goodness–of–Fit Descriptives
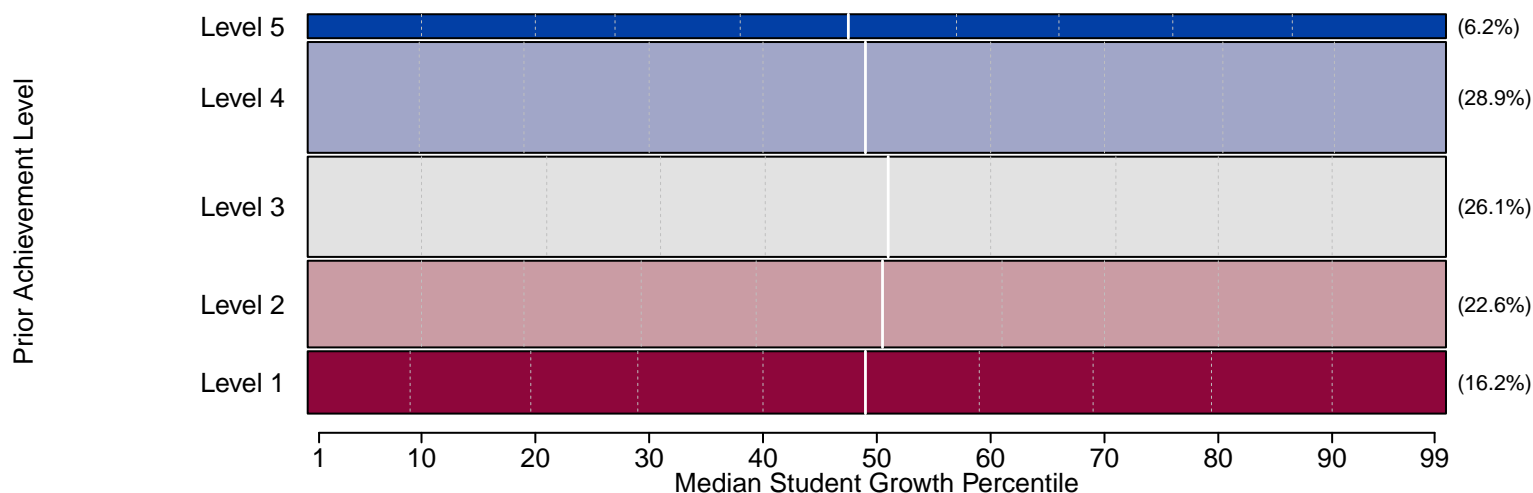
2015–2016.1 ELA SGP, Grade 10 (N = 2,180)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level (vertical axis):

Level	Percent
Level 5	(6.2%)
Level 4	(28.9%)
Level 3	(26.1%)
Level 2	(22.6%)
Level 1	(16.2%)

Median Student Growth Percentile (x-axis): 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: [−2.873,−1.976)	96.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
[−1.976,−1.874]	27.6	34.5	31.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 29
Highest OSS: [2.048,2.269)	0.0	0.0	4.0	0.0	0.0	4.0	0.0	12.0	20.0	24.0	8.0	28.0	N = 25
[2.269,3.44]	0.0	0.0	3.3	3.3	3.3	6.7	0.0	3.3	10.0	16.7	16.7	36.7	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/[−6,−1.36)	12.39	10.55	10.09	9.17	8.72	10.55	10.55	9.17	9.17	9.63	(10%)
2nd/[−1.36,−0.9443)	6.88	9.63	11.01	11.01	10.09	10.55	9.17	10.55	10.55	10.55	(10%)
3rd/[−0.9443,−0.61)	9.22	10.14	9.68	9.22	11.06	8.29	10.60	10.60	11.06	10.14	(10%)
4th/[−0.61,−0.3217)	11.42	10.96	9.13	9.59	7.76	9.59	11.42	8.22	9.13	12.79	(10%)
5th/[−0.3217,−0.034)	9.63	8.72	10.09	9.17	13.76	11.47	9.17	11.47	9.17	7.34	(10%)
6th/[−0.034,0.2526)	8.26	9.17	10.09	11.01	9.17	10.09	8.72	8.72	11.93	12.84	(10%)
7th/[0.2526,0.552)	10.55	11.01	11.47	9.63	8.26	11.01	11.47	11.01	7.80	7.80	(10%)
8th/[0.552,0.8666)	9.63	10.55	6.88	11.01	11.47	9.17	8.72	8.72	11.47	12.39	(10%)
9th/[0.8666,1.341)	9.68	10.14	12.44	9.22	11.52	8.29	7.83	11.06	8.76	11.06	(10%)
10th/[1.341,3.901]	9.59	8.68	10.05	10.05	8.68	10.96	11.87	10.05	10.50	9.59	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution (y-axis): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100