Student Growth Percentile Goodness–of–Fit Descriptives
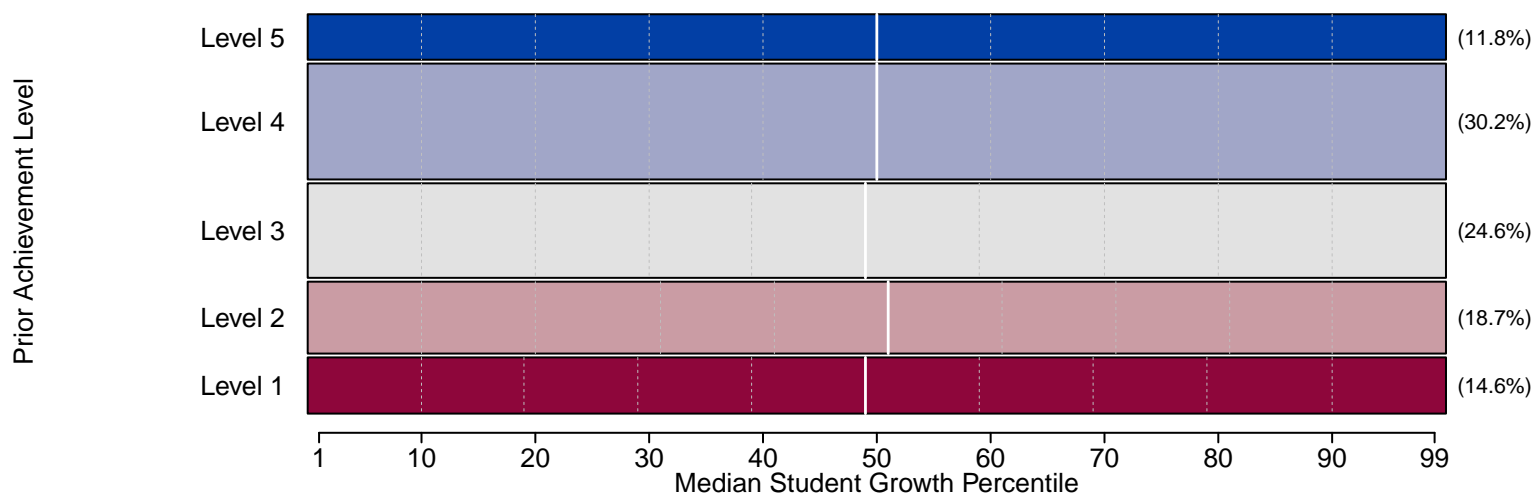## 2016–2017.2 ELA SGP, Grade 8 (N = 375,306)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level:

Level	Percentage
Level 5	(11.8%)
Level 4	(30.2%)
Level 3	(24.6%)
Level 2	(18.7%)
Level 1	(14.6%)

X-axis: 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:	[−15,−4.79)	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 = 23
	[−4.79,−4.14]	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
Highest OSS:	[4.47,4.88)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	9.1	81.8	N = 22
	[4.88,8.74]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	94.3	N = 35

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,−1.49)	9.77	10.46	10.22	10.34	10.21	10.19	9.82	9.61	9.40	9.98	(10%)
2nd/[−1.49,−0.983)	9.56	9.69	10.11	9.85	9.72	9.73	9.95	10.00	10.40	10.99	(9.9%)
3rd/[−0.983,−0.602)	9.41	9.84	9.70	9.61	9.70	9.84	10.29	10.44	10.36	10.83	(10%)
4th/[−0.602,−0.303)	9.78	10.19	9.87	9.86	10.07	10.26	9.83	10.01	9.76	10.38	(9.7%)
5th/[−0.303,−0.0001)	9.46	10.20	10.28	10.38	10.14	9.90	9.86	9.47	9.85	10.45	(10.4%)
6th/[−0.0001,0.265)	9.44	10.02	10.04	10.11	9.84	10.06	10.02	10.23	9.90	10.34	(9.7%)
7th/[0.265,0.566)	9.57	9.87	10.10	9.76	9.87	9.84	10.11	9.94	10.12	10.81	(10%)
8th/[0.566,0.91)	9.60	9.83	9.59	10.08	10.12	10.10	9.80	10.20	10.14	10.53	(10.3%)
9th/[0.91,1.37)	9.85	10.22	10.20	9.79	9.99	9.92	10.02	9.95	9.69	10.36	(9.9%)
10th/[1.37,15]	9.41	9.97	10.04	10.08	9.96	9.95	9.98	9.95	10.08	10.57	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0 to 100)
Empirical SGP Distribution (0 to 100)