Student Growth Percentile Goodness–of–Fit Descriptives
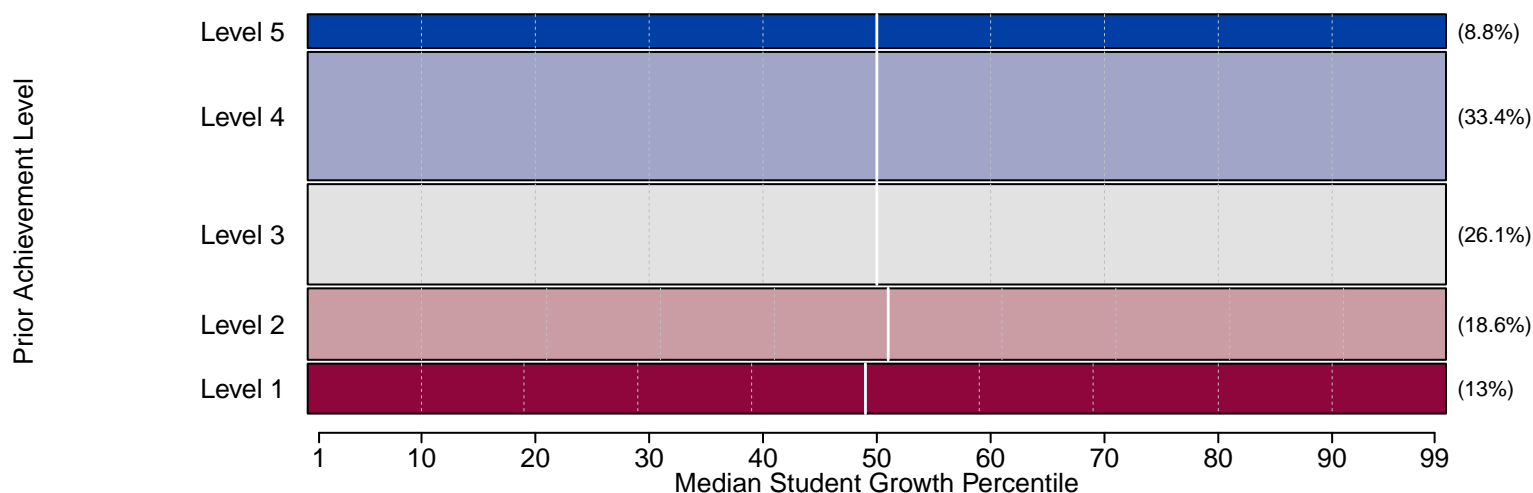## 2017–2018.2 ELA SGP, Grade 5 (N = 331,928)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level	
Level 5	(8.8%)
Level 4	(33.4%)
Level 3	(26.1%)
Level 2	(18.6%)
Level 1	(13%)

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

Ceiling / Floor Effects Test

Current Observed Score Extremes (Range)

Student Growth Percentile 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,−4.457)	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
	[−4.457,−4.42]	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 = 32
Highest OSS:	[4.444,4.708)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	96.3	N = 27
	[4.708,15]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	N = 31

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,−1.5)	9.74	10.38	10.23	10.36	10.01	10.03	9.76	9.77	9.63	10.09	(9.6%)
2nd/[−1.5,−0.9538)	9.47	9.58	9.85	9.78	9.88	9.81	9.88	10.10	10.42	11.23	(10.3%)
3rd/[−0.9538,−0.5635)	9.35	9.62	9.60	9.49	9.88	10.30	10.14	10.38	10.31	10.93	(10%)
4th/[−0.5635,−0.2408)	9.40	10.10	9.94	10.12	10.11	9.91	10.23	9.99	9.79	10.40	(9.6%)
5th/[−0.2408,0.0562)	9.66	10.41	10.44	10.25	9.89	9.87	9.79	9.75	9.76	10.19	(10.2%)
6th/[0.0562,0.3577)	9.30	10.01	9.83	10.14	9.94	10.11	10.03	9.94	10.10	10.61	(10.2%)
7th/[0.3577,0.6498)	9.54	9.70	9.92	9.93	9.90	10.08	10.20	10.21	10.09	10.44	(9.6%)
8th/[0.6498,1.006)	9.36	10.04	9.88	9.55	10.20	10.04	9.78	10.22	10.12	10.82	(10.2%)
9th/[1.006,1.484)	9.68	9.78	10.05	10.22	10.08	9.68	10.06	9.79	10.02	10.63	(10%)
10th/[1.484,6.887]	9.40	10.16	10.04	10.07	9.85	10.17	10.01	10.00	9.93	10.37	(10.2%)

*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