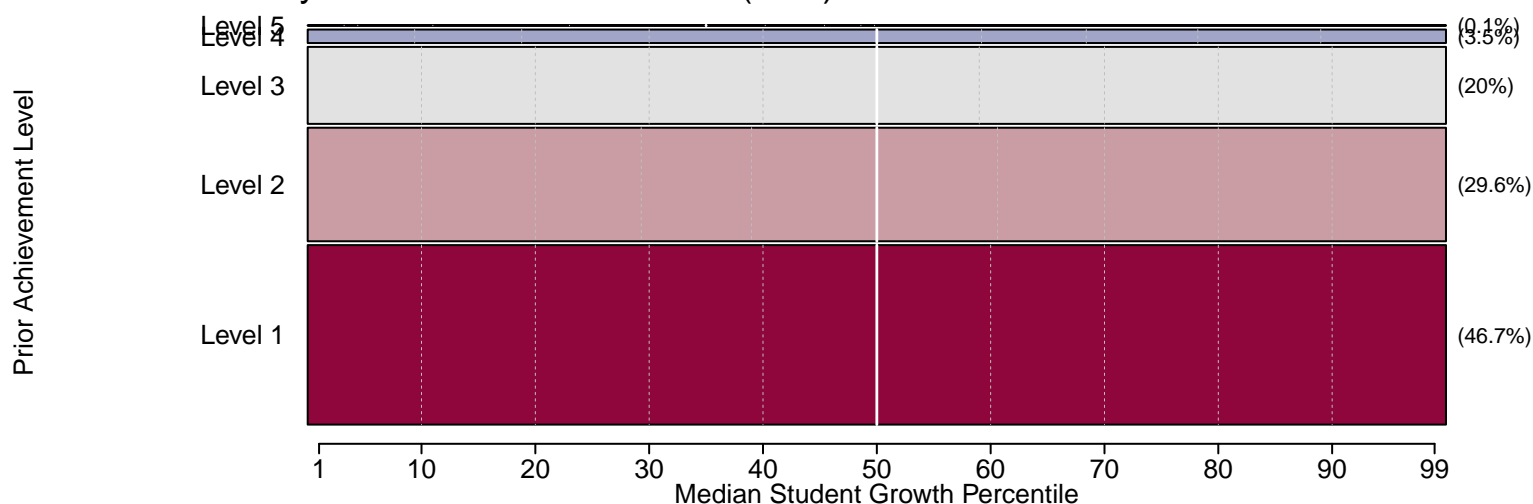# Student Growth Percentile Goodness–of–Fit Descriptives

2017–2018.2 ELA SGP, Grade 11 (N = 4,065)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level	
Level 5	(0.1%)
Level 4	(3.5%)
Level 3	(20%)
Level 2	(29.6%)
Level 1	(46.7%)

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: [−5.244,−3.223)	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 = 30
[−3.223,−2.82]	91.7	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 48
Highest OSS: [0.989,1.287)	0.0	0.0	0.0	0.0	4.3	0.0	8.7	0.0	8.7	4.3	8.7	65.2	N = 23
[1.287,2.805]	7.4	0.0	0.0	0.0	3.7	3.7	3.7	3.7	7.4	11.1	11.1	48.1	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/[−4.1,−1.9)	7.90	11.55	11.55	7.29	10.03	11.25	11.25	8.81	8.81	11.55	(8.1%)
2nd/[−1.9,−1.5)	12.79	6.79	10.44	10.97	11.75	8.36	10.18	8.88	12.01	7.83	(9.4%)
3rd/[−1.5,−1.3)	8.27	11.44	10.22	12.41	9.25	11.68	7.79	9.25	8.52	11.19	(10.1%)
4th/[−1.3,−1.1)	11.38	11.38	8.23	9.93	8.47	10.65	7.51	10.65	8.47	13.32	(10.2%)
5th/[−1.1,−0.82)	8.06	9.50	11.36	7.85	10.74	8.88	14.05	10.12	10.95	8.47	(11.9%)
6th/[−0.82,−0.66)	7.45	10.25	7.45	9.63	9.32	10.56	12.42	10.56	12.73	9.63	(7.9%)
7th/[−0.66,−0.42)	9.40	10.60	10.20	9.20	10.20	9.20	9.60	10.00	10.20	11.40	(12.3%)
8th/[−0.42,−0.25)	10.76	9.30	11.05	12.50	9.59	9.01	8.72	10.76	8.14	10.17	(8.5%)
9th/[−0.25,0.03)	10.54	10.54	9.89	10.54	9.68	11.18	8.82	9.46	9.25	10.11	(11.4%)
10th/[0.03,1.8]	9.66	9.18	10.87	8.70	9.90	10.39	10.63	9.42	11.11	10.14	(10.2%)

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

QQ–Plot: Student Growth Percentiles