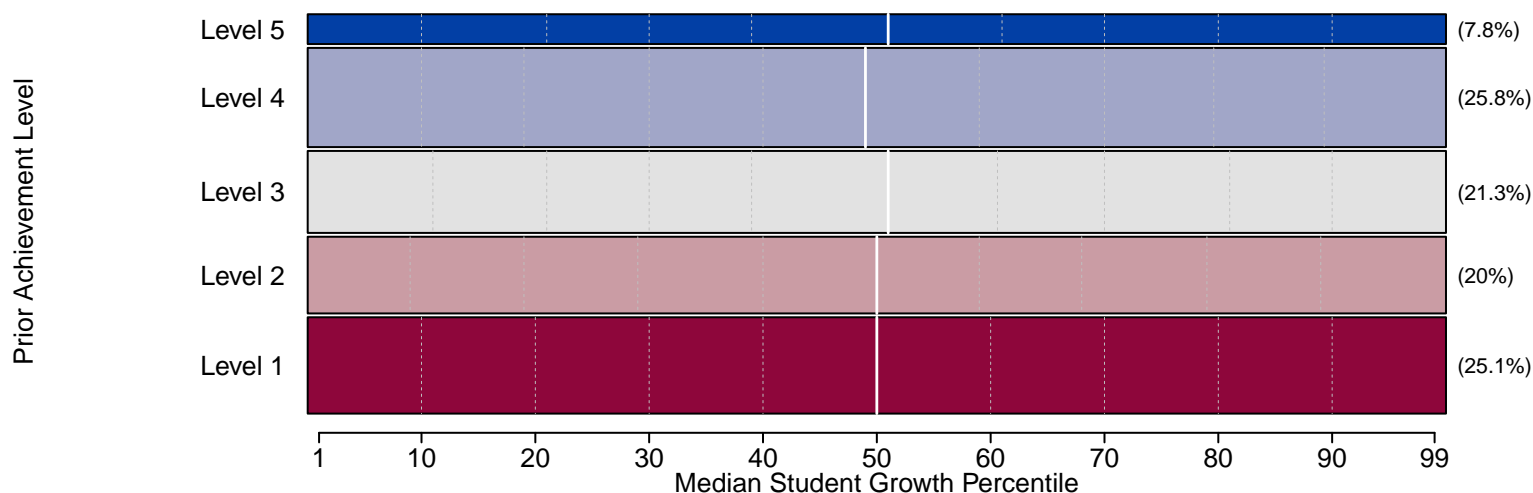# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.1 ELA SGP, Grade 11 (N = 4,366)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level	Median Student Growth Percentile	Percent
Level 5		(7.8%)
Level 4		(25.8%)
Level 3		(21.3%)
Level 2		(20%)
Level 1		(25.1%)

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: [−2.956,−2.121)	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 = 17
[−2.121,−1.982]	86.8	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 38
Highest OSS: [2.423,2.761)	0.0	0.0	0.0	0.0	0.0	4.2	0.0	8.3	25.0	12.5	16.7	33.3	N = 24
[2.761,3.896]	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.6	21.4	10.7	60.7	N = 28

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/[−3.807,−1.44)	10.30	9.84	10.98	9.61	9.61	9.84	9.61	9.15	11.21	9.84	(10%)
2nd/[−1.44,−1.014)	9.86	9.63	9.63	10.32	11.24	10.09	9.63	10.78	8.49	10.32	(10%)
3rd/[−1.014,−0.673)	8.01	10.53	8.47	10.53	8.24	9.61	11.67	10.98	10.76	11.21	(10%)
4th/[−0.673,−0.3776)	9.17	9.86	9.40	8.94	11.47	10.32	10.09	9.63	9.86	11.24	(10%)
5th/[−0.3776,−0.1071)	11.44	10.07	10.53	10.76	10.07	10.30	8.70	8.70	10.07	9.38	(10%)
6th/[−0.1071,0.1584)	8.74	9.43	11.49	11.72	9.89	7.59	9.89	11.72	10.34	9.20	(10%)
7th/[0.1584,0.4373)	8.22	10.27	10.50	8.68	7.76	12.79	10.96	8.22	10.73	11.87	(10%)
8th/[0.4373,0.7792)	11.26	9.89	8.74	9.20	12.87	7.82	10.34	10.80	8.74	10.34	(10%)
9th/[0.7792,1.244)	10.05	11.19	9.13	10.73	9.36	10.96	8.68	10.50	9.82	9.59	(10%)
10th/[1.244,4.107]	8.70	9.38	10.98	10.07	9.38	10.07	10.76	9.38	10.30	10.98	(10%)

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

QQ–Plot: Student Growth Percentiles