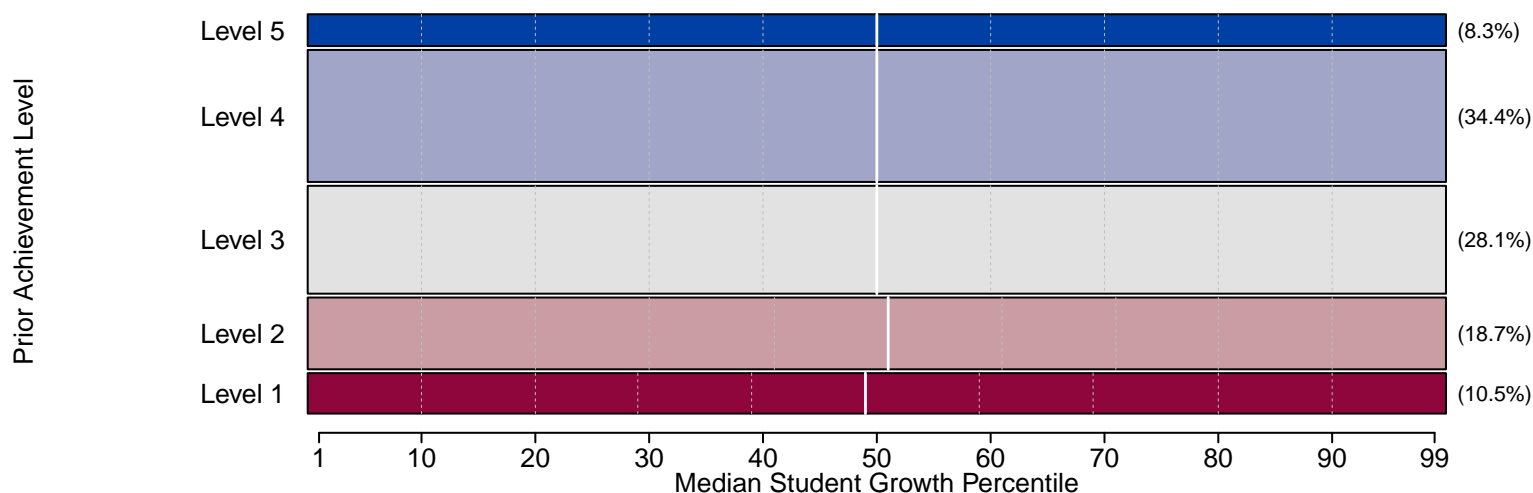# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 ELA SGP, Grade 5 (N = 415,473)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level

Level		Percent
Level 5		(8.3%)
Level 4		(34.4%)
Level 3		(28.1%)
Level 2		(18.7%)
Level 1		(10.5%)

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,−4.184]	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 = 42
	[−4.1842]	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 = 46
Highest OSS:	[3.865,4.063)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	95.7	N = 23
	[4.063,5.2]	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 = 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,−1.356)	9.65	10.18	10.05	10.13	10.18	9.92	9.86	9.87	9.85	10.30	(10%)
2nd/[−1.356,−0.8504)	9.29	9.77	9.94	9.90	9.82	10.08	10.07	10.33	10.14	10.68	(10%)
3rd/[−0.8504,−0.487)	9.57	9.83	9.94	9.93	9.85	9.95	10.17	9.89	10.19	10.68	(10%)
4th/[−0.487,−0.1882)	9.58	10.17	9.97	10.00	10.20	10.13	9.98	9.88	9.86	10.23	(10%)
5th/[−0.1882,0.0931)	9.52	10.14	10.09	10.11	10.13	9.91	9.85	9.82	9.95	10.47	(10%)
6th/[0.0931,0.375)	9.40	9.88	10.01	10.08	9.66	9.87	10.00	10.26	9.97	10.87	(10%)
7th/[0.375,0.6696)	9.33	10.07	9.97	9.89	10.26	10.07	9.96	10.12	9.95	10.37	(10%)
8th/[0.6696,1.017)	9.69	10.00	9.96	9.88	9.79	10.04	10.29	9.80	10.17	10.38	(10%)
9th/[1.017,1.487)	9.54	9.91	10.07	10.07	10.18	10.00	9.80	10.05	9.97	10.41	(10%)
10th/[1.487,7.907]	9.47	10.04	9.99	10.01	9.93	10.02	10.01	10.00	9.95	10.58	(10%)

*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