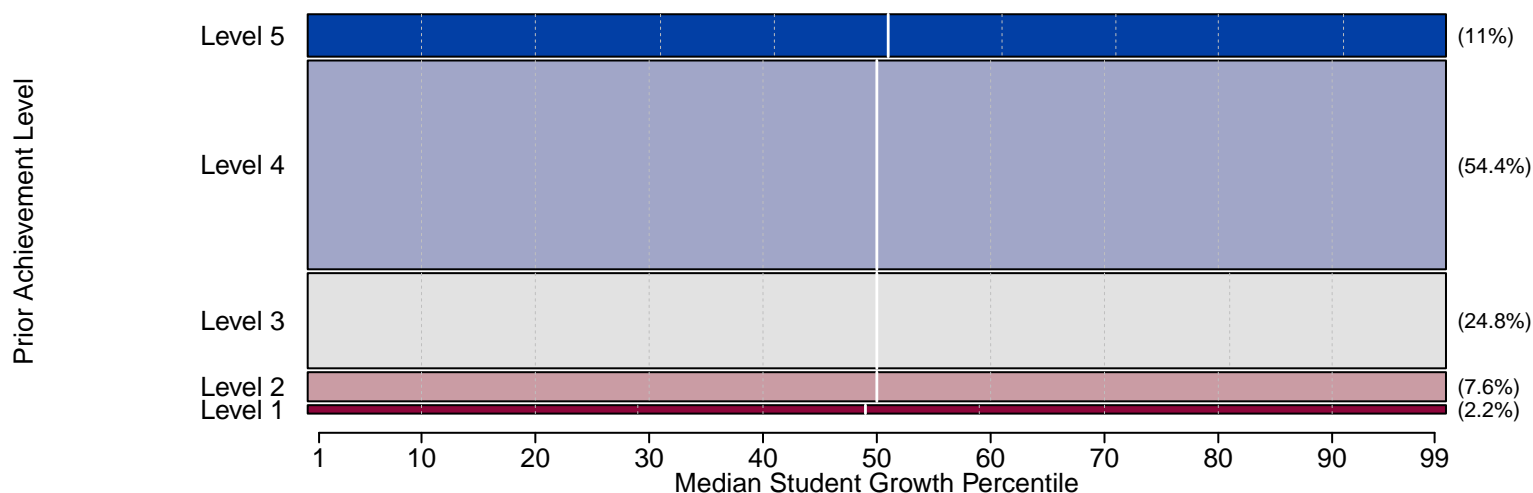# Student Growth Percentile Goodness–of–Fit Descriptives

2017–2018.2 Algebra I SGP, Grade EOCT (N = 60,887)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level	
Level 5	(11%)
Level 4	(54.4%)
Level 3	(24.8%)
Level 2	(7.6%)
Level 1	(2.2%)

Median Student Growth Percentile

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,−2.855)	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 = 26
	[−2.855,−2.759]	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 = 37
Highest OSS:	[4.758,4.999)	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	16.0	16.0	60.0	N = 25
	[4.999,7.402]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	8.0	8.0	80.0	N = 25

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,−0.4497)	9.43	10.13	9.98	9.88	10.10	10.10	9.56	10.07	9.93	10.81	(9.8%)
2nd/[−0.4497,0.0897)	9.26	10.07	10.21	10.18	9.79	9.87	10.28	9.76	10.31	10.26	(10.2%)
3rd/[0.0897,0.412)	9.31	10.01	10.15	9.74	9.91	10.13	9.74	9.98	10.22	10.80	(9.8%)
4th/[0.412,0.6917)	9.40	9.78	9.70	10.14	9.82	10.01	10.01	9.95	10.37	10.82	(10.2%)
5th/[0.6917,0.9054)	9.63	9.75	9.77	9.73	10.03	9.56	10.58	10.25	9.92	10.78	(9.6%)
6th/[0.9054,1.134)	9.98	9.73	10.73	9.55	10.57	9.86	9.55	10.40	9.30	10.33	(9.8%)
7th/[1.134,1.372)	10.21	10.30	9.44	10.46	9.67	10.29	9.81	9.49	10.07	10.26	(10.3%)
8th/[1.372,1.648)	9.70	10.04	10.19	10.17	10.55	9.63	10.29	9.86	9.75	9.83	(10%)
9th/[1.648,2.022)	8.66	10.19	10.08	9.81	10.06	9.69	10.00	9.73	10.48	11.30	(10.4%)
10th/[2.022,15]	9.57	9.65	9.91	9.83	9.50	10.47	9.96	10.24	9.94	10.94	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution