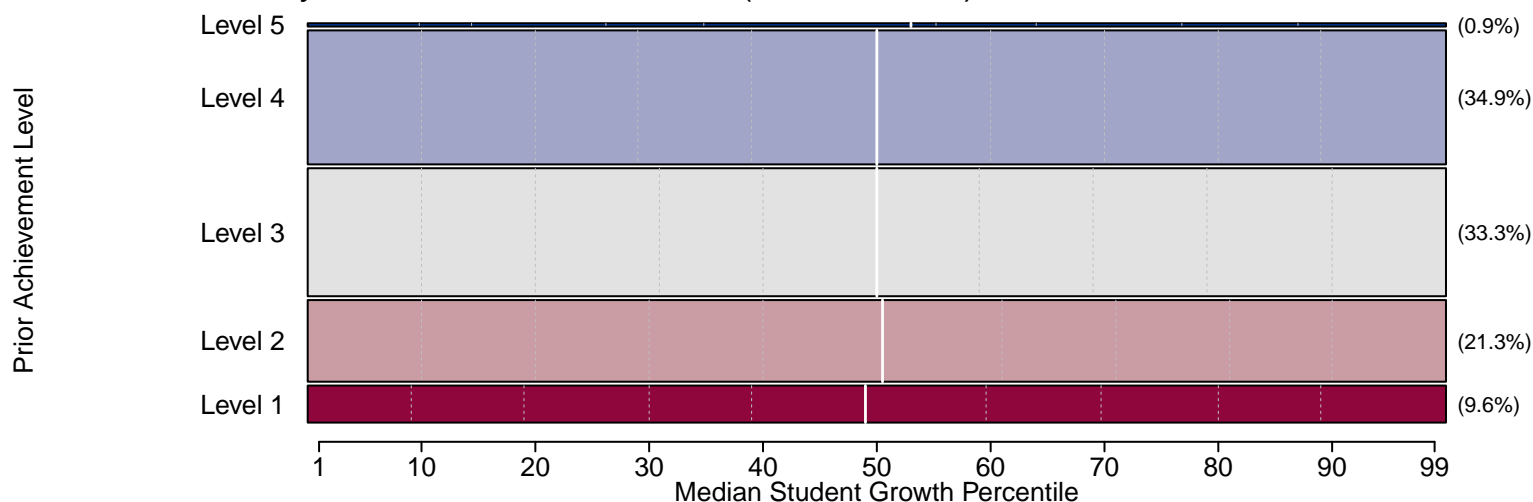# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.1 Algebra I SGP, Grade EOCT (N = 3,132)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level

Level	(%)
Level 5	(0.9%)
Level 4	(34.9%)
Level 3	(33.3%)
Level 2	(21.3%)
Level 1	(9.6%)

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: [−3.133,−2.144)	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 = 9
[−2.144,−1.816]	68.3	24.4	4.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 41
Highest OSS: [2.186,2.325)	0.0	0.0	0.0	0.0	0.0	0.0	5.0	20.0	5.0	15.0	10.0	45.0	N = 20
[2.325,3.168]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	16.7	26.7	50.0	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/[−3.6,−0.826)	10.29	10.29	9.32	10.61	10.29	8.68	9.65	10.29	10.61	9.97	(9.9%)
2nd/[−0.826,−0.384)	8.09	10.68	10.03	10.03	11.33	12.94	9.06	9.06	9.06	9.71	(9.9%)
3rd/[−0.384,−0.121)	10.94	7.81	10.94	9.06	7.81	7.81	11.25	11.88	11.25	11.25	(10.2%)
4th/[−0.121,0.143)	11.54	11.22	9.29	10.58	10.26	8.65	11.22	7.05	11.54	8.65	(10%)
5th/[0.143,0.345)	6.51	11.07	11.07	9.77	11.40	11.07	8.79	11.40	7.82	11.07	(9.8%)
6th/[0.345,0.553)	11.75	9.84	9.21	9.84	7.94	11.75	9.84	10.48	8.25	11.11	(10.1%)
7th/[0.553,0.771)	7.86	8.18	9.12	11.01	12.26	9.12	8.49	11.32	11.32	11.32	(10.2%)
8th/[0.771,1.03)	10.90	10.90	11.86	8.97	8.97	8.97	12.50	7.37	10.58	8.97	(10%)
9th/[1.03,1.35)	9.55	11.15	9.87	9.24	9.87	11.15	8.60	10.19	8.92	11.46	(10%)
10th/[1.35,2.74]	8.92	9.24	8.92	11.15	10.51	9.55	10.83	10.51	10.51	9.87	(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