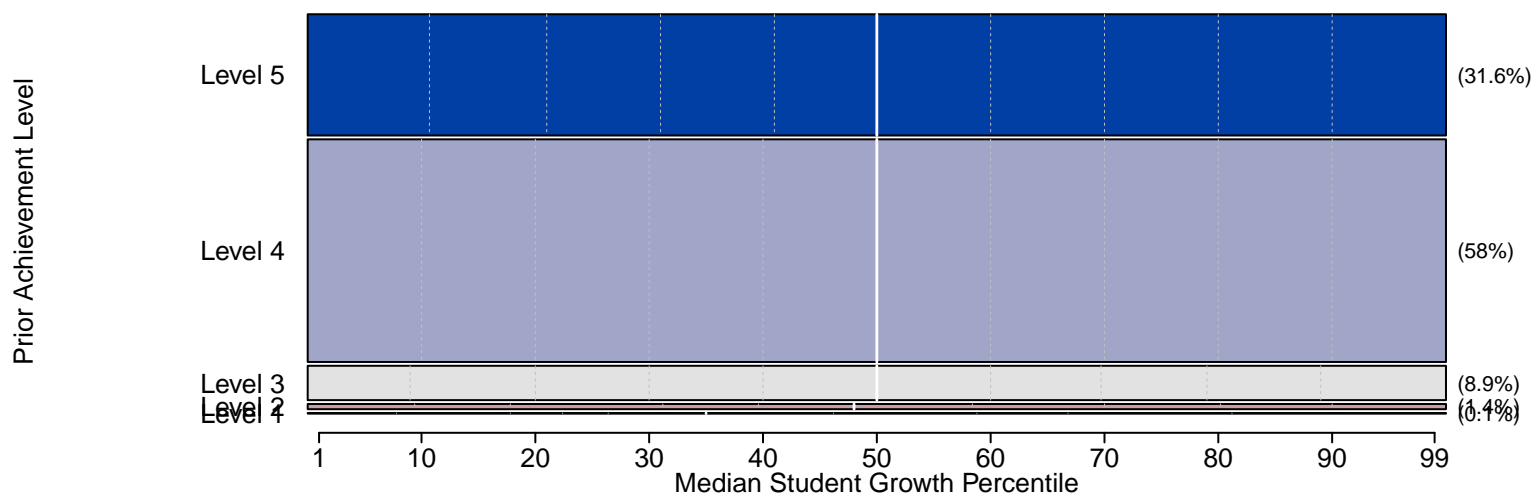# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 Algebra I SGP, Grade EOCT (N = 12,884)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level

- Level 5 (31.6%)
- Level 4 (58%)
- Level 3 (8.9%)
- Level 2 (1.4%)
- Level 1 (0.1%)

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:	[−4.484,−1.663)	88.0	8.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[−1.663,−1.415]	50.0	7.7	15.4	19.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[4.082,4.628)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	29.2	58.3	N = 24
	[4.628,7.489]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	92.9	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/[−4.452,0.4565)	10.12	9.66	9.97	9.81	10.36	9.74	10.28	10.20	9.97	9.89	(10%)
2nd/[0.4565,0.8275)	9.22	10.53	9.76	10.15	9.14	10.77	9.06	10.07	10.22	11.08	(10%)
3rd/[0.8275,1.079)	8.70	9.70	10.33	10.09	10.17	10.17	10.09	10.02	9.32	11.41	(10%)
4th/[1.079,1.292)	8.93	10.27	10.27	11.36	9.80	8.39	9.33	9.72	11.36	10.58	(9.9%)
5th/[1.292,1.474)	10.51	9.67	10.59	8.75	9.06	9.75	10.67	9.06	10.90	11.05	(10.1%)
6th/[1.474,1.652)	8.82	11.24	9.91	9.37	11.79	10.38	11.55	9.13	8.43	9.37	(9.9%)
7th/[1.652,1.833)	11.36	8.64	10.04	9.49	9.34	11.05	9.26	11.60	9.81	9.42	(10%)
8th/[1.833,2.056)	9.83	10.76	9.52	10.37	10.60	10.06	9.67	9.67	9.91	9.60	(10%)
9th/[2.056,2.361)	9.13	9.83	8.59	10.53	11.15	10.37	10.14	10.22	9.37	10.68	(10%)
10th/[2.361,8.086]	8.59	9.75	11.15	10.06	8.59	9.37	9.91	10.22	10.76	11.61	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution