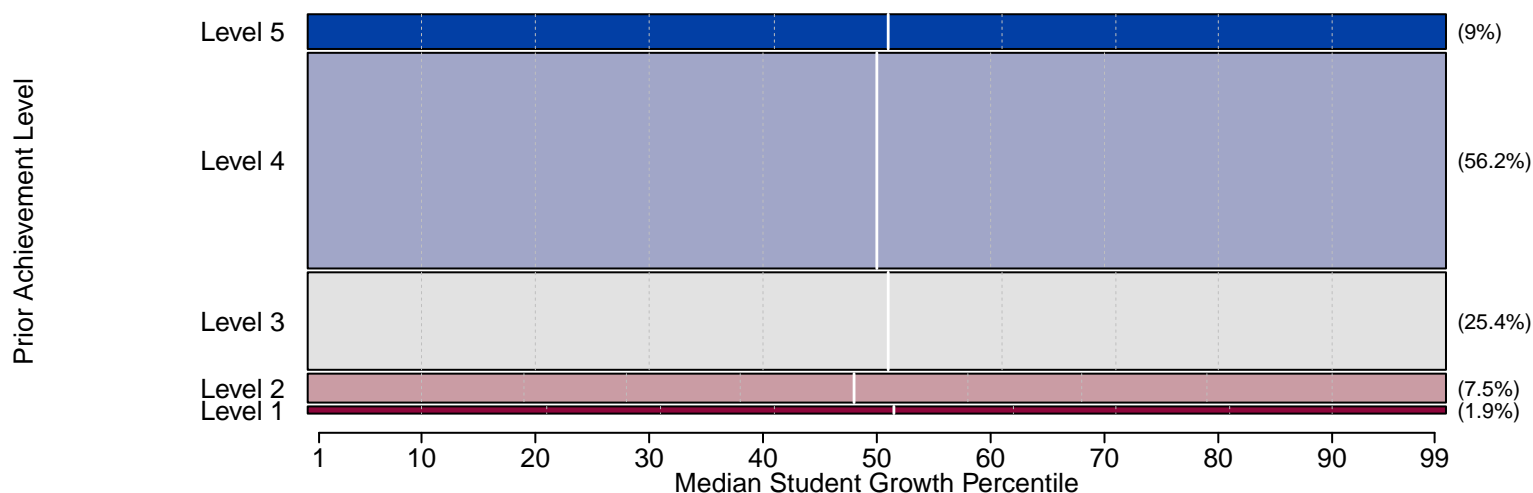# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.2 Algebra I SGP, Grade EOCT (N = 68,870)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level:
- Level 5 (9%)
- Level 4 (56.2%)
- Level 3 (25.4%)
- Level 2 (7.5%)
- Level 1 (1.9%)

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,−2.98)	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 = 31
	[−2.98,−2.77]	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 = 36
Highest OSS:	[4.76,5.45)	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	17.4	8.7	69.6	N = 23
	[5.45,7.67]	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	7.4	7.4	7.4	70.4	N = 27

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,−0.417)	9.88	10.31	10.13	10.47	10.03	9.67	10.13	9.58	9.61	10.19	(9.9%)
2nd/[−0.417,0.0843)	9.36	9.55	10.13	9.43	9.55	10.19	9.72	10.65	10.48	10.94	(10%)
3rd/[0.0843,0.425)	9.39	9.56	10.52	9.85	10.32	9.88	10.01	9.99	10.27	10.22	(9.4%)
4th/[0.425,0.683)	9.32	10.11	9.70	10.61	9.57	10.07	9.86	10.15	9.96	10.65	(10.3%)
5th/[0.683,0.913)	9.52	9.79	9.81	9.67	10.11	10.49	10.24	10.15	9.76	10.45	(9.7%)
6th/[0.913,1.16)	9.79	10.76	9.47	10.10	10.30	9.54	10.27	9.35	9.62	10.79	(10.7%)
7th/[1.16,1.35)	10.32	10.29	9.67	9.30	10.26	9.73	10.00	10.32	10.11	9.99	(9.5%)
8th/[1.35,1.61)	8.62	9.79	10.66	10.15	9.99	10.06	9.92	10.29	10.25	10.28	(10.1%)
9th/[1.61,1.96)	9.59	9.49	10.57	10.54	9.80	10.15	9.53	9.91	9.51	10.92	(10%)
10th/[1.96,15]	9.56	9.86	9.70	9.70	9.88	9.99	10.27	10.06	10.44	10.56	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution