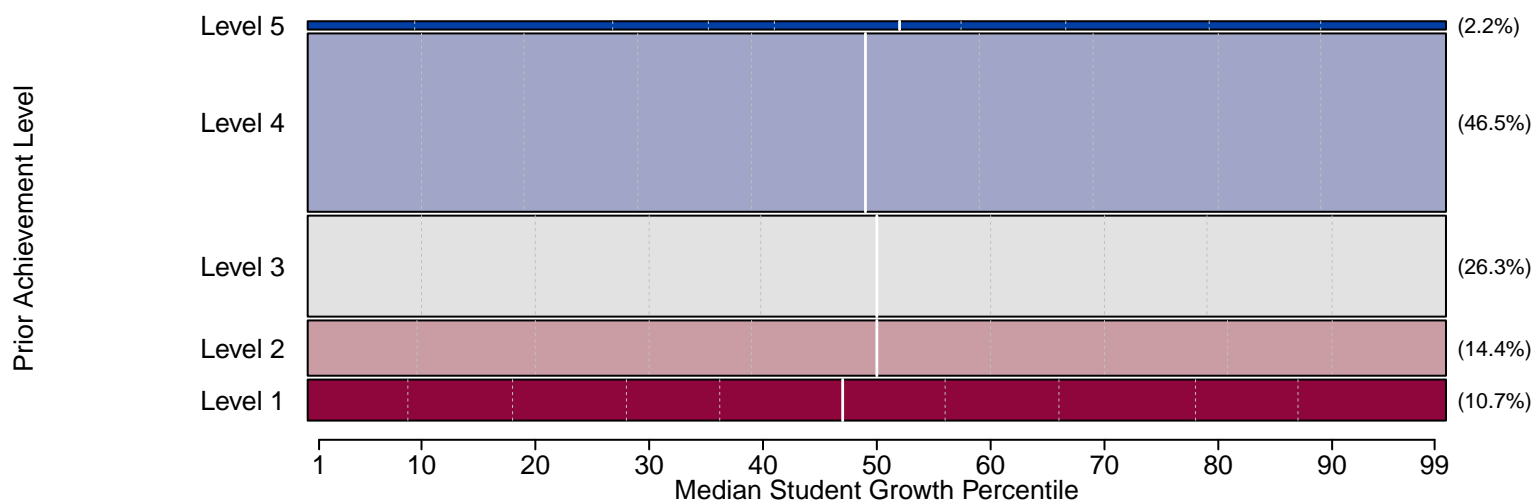# Student Growth Percentile Goodness–of–Fit Descriptives
2017–2018.1 Algebra I SGP, Grade EOCT (N = 3,453)

SGP Deciles by Prior Achievement Level (Mathematics)

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,−2.175)	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
	[−2.175,−1.77]	73.5	18.4	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 49
Highest OSS:	[2.181,2.392]	4.0	0.0	0.0	0.0	4.0	4.0	0.0	8.0	8.0	20.0	16.0	36.0	N = 25
	[2.392,3.229]	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	14.3	17.9	14.3	50.0	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/[−4.4,−0.9)	10.87	9.94	9.94	10.25	10.25	11.49	9.32	9.63	9.94	8.39	(9.3%)
2nd/[−0.9,−0.35)	10.22	9.67	9.94	11.33	10.77	8.84	8.84	9.94	9.39	11.05	(10.5%)
3rd/[−0.35,0.06)	11.18	9.41	10.59	9.41	9.12	9.71	11.76	8.82	10.59	9.41	(9.8%)
4th/[0.06,0.33)	10.51	10.21	11.71	9.91	9.31	10.51	8.71	10.51	8.71	9.91	(9.6%)
5th/[0.33,0.59)	7.83	12.65	7.53	10.24	10.54	10.54	9.64	10.84	9.34	10.84	(9.6%)
6th/[0.59,0.82)	9.94	8.84	10.50	11.60	8.01	9.94	10.50	9.12	11.60	9.94	(10.6%)
7th/[0.82,1.1)	10.00	11.76	11.18	10.00	10.88	9.71	9.71	8.24	10.00	8.53	(9.7%)
8th/[1.1,1.3)	8.96	7.84	9.80	7.84	10.92	10.36	11.76	11.48	8.96	12.04	(10.3%)
9th/[1.3,1.7)	10.14	10.99	9.30	9.01	9.58	10.70	8.45	9.86	9.58	12.39	(10.3%)
10th/[1.7,4.4)	9.71	10.57	10.86	10.86	10.00	9.43	10.29	10.00	10.57	7.71	(10.1%)

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

QQ–Plot: Student Growth Percentiles