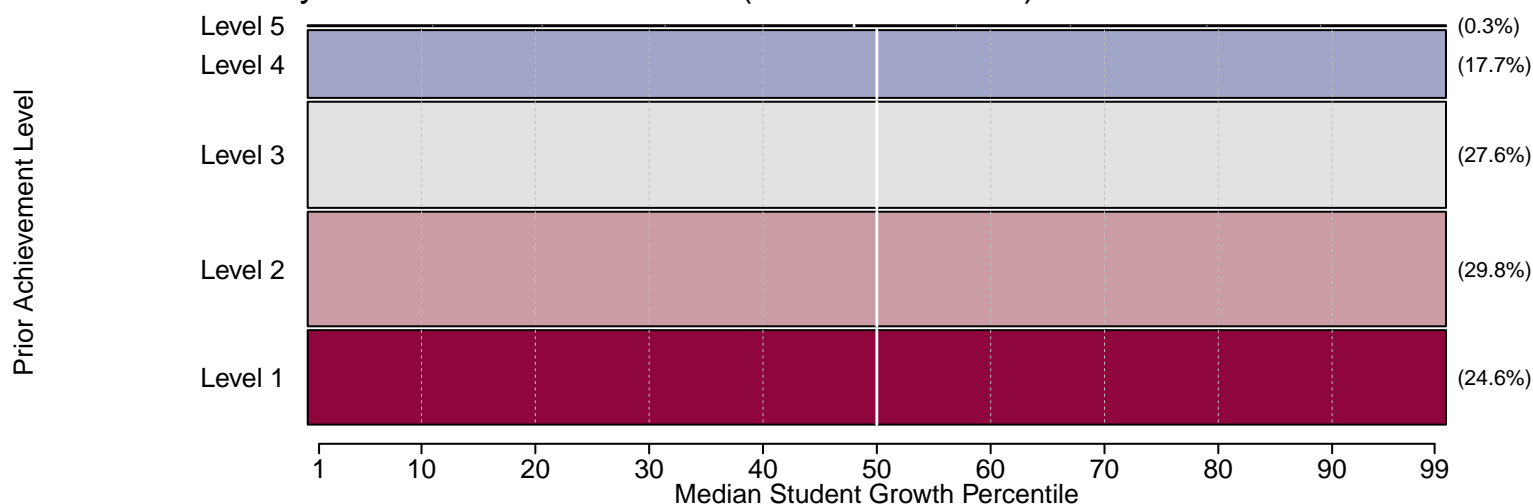# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.2 Algebra I SS SGP, Grade EOCT (N = 172,218)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level — Median Student Growth Percentile

Level	Percent
Level 5	(0.3%)
Level 4	(17.7%)
Level 3	(27.6%)
Level 2	(29.8%)
Level 1	(24.6%)

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:	[650]	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 = 1156
Highest OSS:	[821,827)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	16.0	8.0	16.0	56.0	N = 25
	[827,850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	7.7	15.4	73.1	N = 26

Student Growth Percentile Range

Prior Scale Score Decile/Range*

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/[650,682)	9.77	9.71	10.85	9.82	9.74	9.47	9.78	10.23	10.12	10.52	(9.5%)
2nd/[682,695)	9.27	10.44	9.88	9.85	10.37	10.46	9.99	9.92	9.68	10.14	(10.1%)
3rd/[695,704)	9.73	9.22	10.18	10.41	9.19	10.44	9.91	10.08	10.31	10.52	(8.7%)
4th/[704,713)	9.69	10.26	9.52	10.34	9.90	9.70	10.47	9.60	9.88	10.65	(11.1%)
5th/[713,721)	9.24	10.08	10.17	9.86	10.59	9.87	9.50	10.54	9.71	10.44	(9.7%)
6th/[721,729)	9.63	10.25	9.63	10.30	9.87	10.18	10.08	10.02	10.06	9.98	(10.1%)
7th/[729,737)	9.68	9.75	10.59	9.45	10.12	10.24	9.56	9.59	10.23	10.80	(9.3%)
8th/[737,748)	9.46	10.20	9.88	10.22	9.51	9.68	10.31	10.29	9.90	10.56	(11.3%)
9th/[748,760)	9.62	9.57	9.82	10.02	10.09	10.23	10.45	10.03	9.69	10.48	(9.8%)
10th/[760,847]	9.41	10.39	10.24	9.87	10.06	9.78	9.98	9.72	10.19	10.36	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution — Empirical SGP Distribution