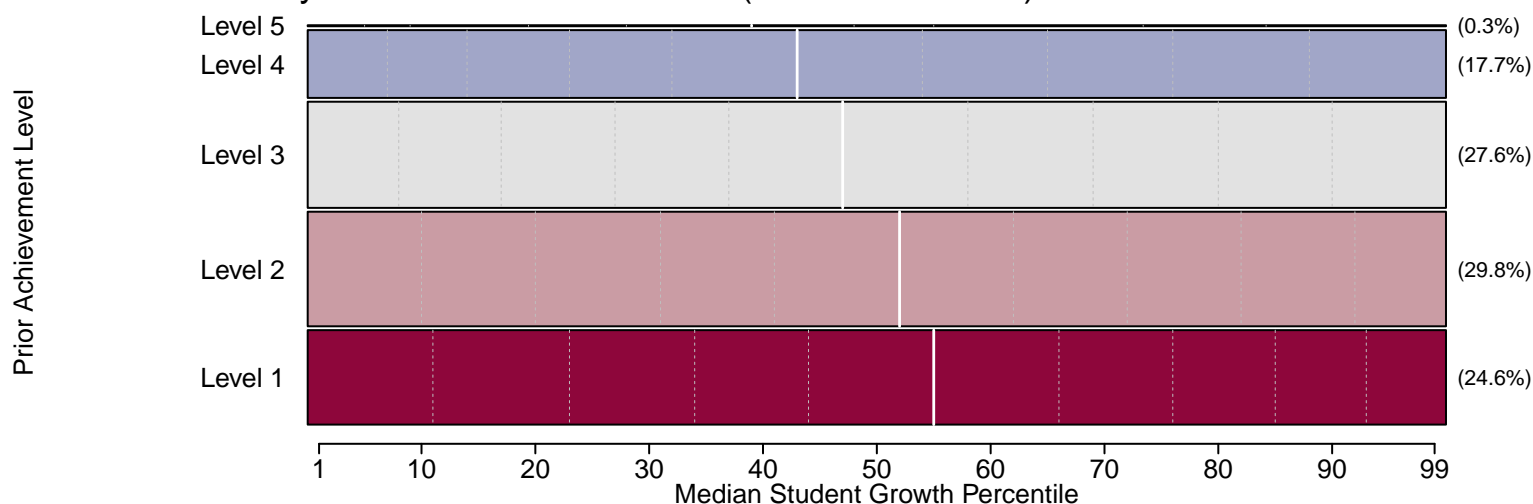# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 Algebra I SS SGP SIMEX, Grade EOCT (N = 172,218)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level:
- Level 5 (0.3%)
- Level 4 (17.7%)
- Level 3 (27.6%)
- Level 2 (29.8%)
- Level 1 (24.6%)

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:	[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	8.0	8.0	12.0	16.0	12.0	44.0	N = 25
	[827,850]	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	7.7	11.5	3.8	73.1	N = 26

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/[650,682)	7.62	9.09	8.33	10.28	8.00	10.10	9.62	10.31	11.19	15.46	(9.5%)
2nd/[682,695)	8.40	8.95	9.36	8.78	8.91	9.89	9.32	10.66	11.38	14.33	(10.1%)
3rd/[695,704)	9.30	8.71	9.32	8.69	9.24	8.89	9.70	11.50	11.10	13.55	(8.7%)
4th/[704,713)	9.52	9.11	9.45	9.91	8.90	10.53	9.55	9.86	10.50	12.67	(11.1%)
5th/[713,721)	9.89	10.57	8.69	9.95	10.14	9.46	9.30	9.96	10.17	11.85	(9.7%)
6th/[721,729)	10.52	10.79	9.23	10.01	9.88	9.01	10.42	9.38	9.82	10.93	(10.1%)
7th/[729,737)	11.18	10.97	10.40	9.25	9.30	9.87	8.59	9.25	9.82	11.39	(9.3%)
8th/[737,748)	12.04	11.32	10.55	9.77	9.04	9.28	9.18	9.32	8.70	10.80	(11.3%)
9th/[748,760)	12.92	11.13	11.49	10.18	8.25	9.57	9.22	8.79	8.55	9.91	(9.8%)
10th/[760,847]	14.95	12.40	11.35	8.85	9.77	9.01	8.29	8.33	8.47	8.58	(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