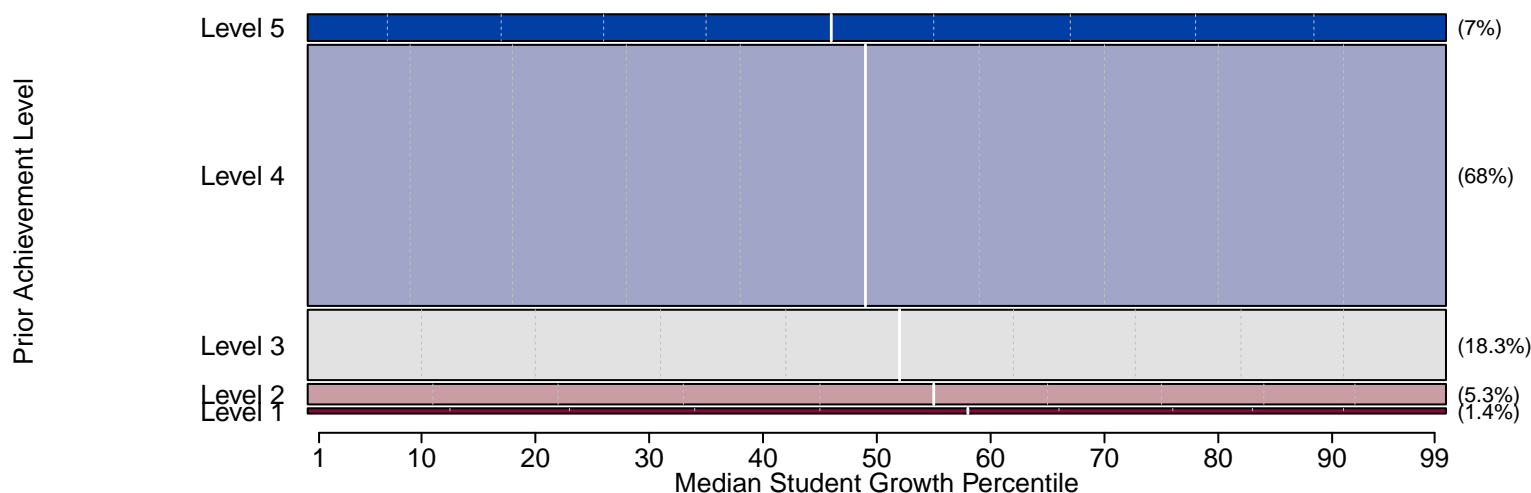# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.2 Geometry SS SGP SIMEX, Grade EOCT (N = 32,109)

SGP Deciles by Prior Achievement Level (Algebra I SS)

Prior Achievement Level:
- Level 5 (7%)
- Level 4 (68%)
- Level 3 (18.3%)
- Level 2 (5.3%)
- Level 1 (1.4%)

x-axis: Median Student Growth Percentile (1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99)

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:	[650,670)	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 = 27
	[670,679)	71.4	21.4	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 28
Highest OSS:	[812,816)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	13.6	13.6	68.2	N = 22
	[816,850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	17.9	67.9	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/[650,731)	8.64	8.68	9.19	8.32	10.13	10.33	9.61	10.33	11.10	13.66	(9.6%)
2nd/[731,745)	9.62	10.36	9.68	8.43	9.50	9.62	9.93	10.32	10.02	12.53	(10.2%)
3rd/[745,753)	9.90	9.00	9.50	9.37	10.30	9.70	9.20	11.00	10.14	11.87	(9.3%)
4th/[753,761)	9.27	10.93	9.17	10.11	9.66	9.36	9.89	9.66	10.24	11.71	(9.5%)
5th/[761,768)	11.26	9.49	9.15	9.55	9.35	9.63	11.09	9.03	9.63	11.81	(10.9%)
6th/[768,774)	10.25	10.09	10.35	9.90	9.90	9.35	9.15	9.86	9.77	11.38	(9.6%)
7th/[774,781)	11.07	10.65	8.90	10.16	9.61	10.36	8.83	9.19	9.87	11.36	(9.6%)
8th/[781,789)	11.88	11.06	9.82	9.95	9.82	9.22	9.43	9.49	9.37	9.95	(10.3%)
9th/[789,800)	11.94	10.96	11.02	9.17	9.20	9.86	8.99	8.96	9.17	10.73	(10.8%)
10th/[800,850]	11.82	10.69	10.38	10.63	9.67	10.63	8.29	8.85	9.21	9.83	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0 to 100)
Empirical SGP Distribution (0 to 100)