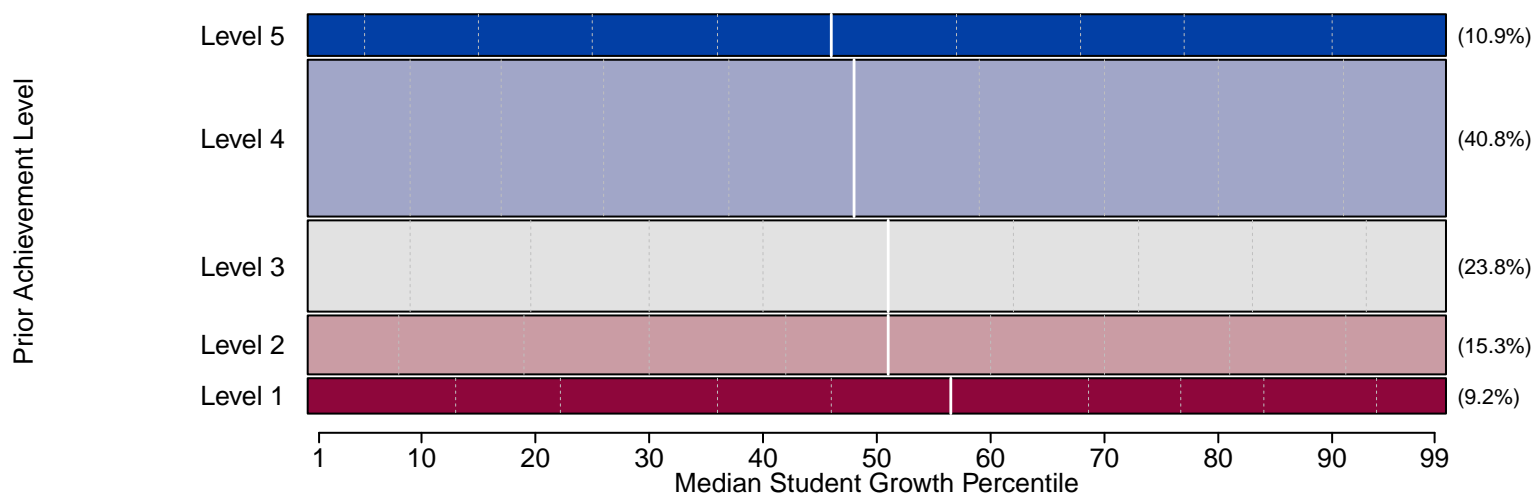# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.1 ELA SS SGP SIMEX, Grade 9 (N = 4,036)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level	Percent
Level 5	(10.9%)
Level 4	(40.8%)
Level 3	(23.8%)
Level 2	(15.3%)
Level 1	(9.2%)

Median Student Growth Percentile (axis: 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:	[650,669)	62.1	27.6	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 29
	[669,670]	33.3	20.0	30.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 30
Highest OSS:	[826,833]	0.0	0.0	0.0	4.8	0.0	0.0	9.5	9.5	9.5	14.3	14.3	38.1	N = 21
	[833,850]	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	6.9	13.8	24.1	51.7	N = 29

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/[650,701]	7.83	9.14	9.92	5.22	10.44	10.18	9.66	10.44	12.53	14.62	(9.5%)
2nd/[701,719]	11.03	8.58	9.80	9.56	9.31	9.31	12.75	8.82	10.05	10.78	(10.1%)
3rd/[719,731]	11.06	8.89	7.69	9.13	9.86	9.38	9.38	10.34	8.89	15.38	(10.3%)
4th/[731,742]	11.25	10.49	11.51	7.67	9.46	9.97	9.21	10.49	7.42	12.53	(9.7%)
5th/[742,752]	12.38	8.33	8.57	10.95	9.05	8.33	8.57	9.76	9.52	14.52	(10.4%)
6th/[752,760]	9.09	12.67	11.02	7.44	8.82	10.74	9.37	7.99	12.12	10.74	(9%)
7th/[760,770]	9.81	10.51	12.85	9.35	9.35	9.81	7.71	10.51	9.11	10.98	(10.6%)
8th/[770,781]	9.95	11.69	8.96	8.96	7.96	11.69	8.71	10.70	7.96	13.43	(10%)
9th/[781,795]	13.03	11.03	12.03	9.52	9.77	7.02	8.02	11.03	7.77	10.78	(9.9%)
10th/[795,850]	14.32	10.80	8.92	11.50	9.39	9.39	9.15	7.51	8.45	10.56	(10.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (axis: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100)

Empirical SGP Distribution (axis: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100)