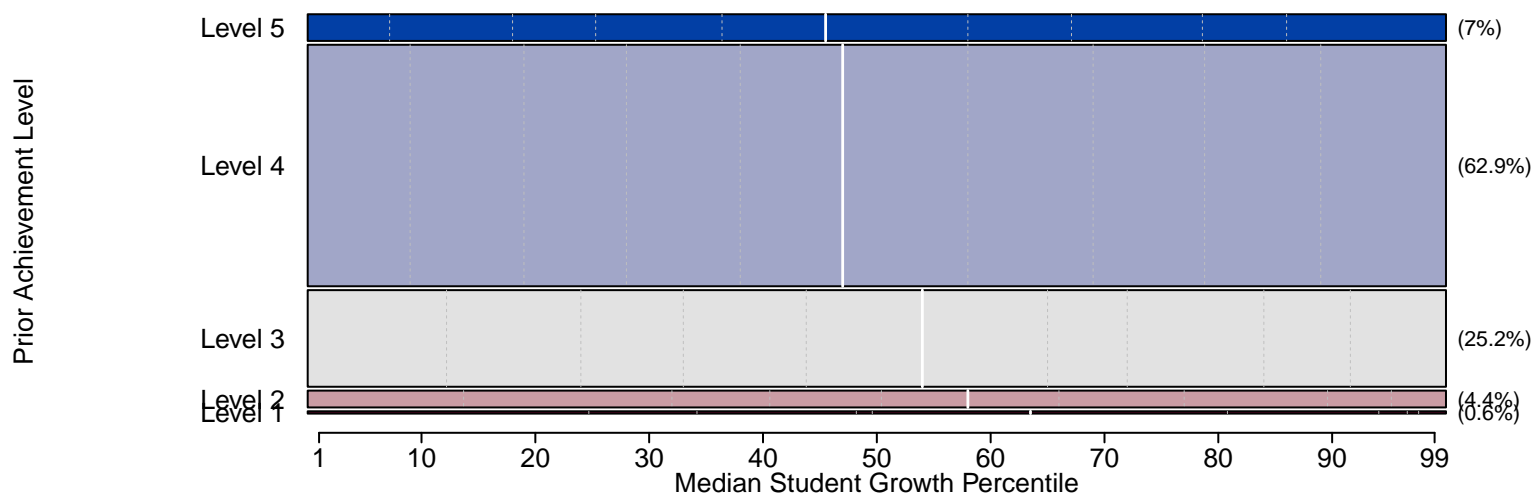# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Integrated Math 1 SS SGP SIMEX Ranked, Grade EOCT (N = 1,323)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level:
- Level 5 (7%)
- Level 4 (62.9%)
- Level 3 (25.2%)
- Level 2 (4.4%)
- Level 1 (0.6%)

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:	[650,707]	27.3	9.1	13.6	13.6	4.5	13.6	4.5	0.0	4.5	0.0	0.0	9.1	N = 22
	[707,715]	46.4	3.6	14.3	10.7	7.1	3.6	3.6	7.1	0.0	0.0	0.0	3.6	N = 28
Highest OSS:	[817,825]	0.0	0.0	10.5	0.0	0.0	15.8	10.5	5.3	5.3	10.5	15.8	26.3	N = 19
	[825,850]	0.0	0.0	0.0	0.0	9.4	3.1	3.1	6.2	15.6	31.2	15.6	15.6	N = 32

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/[650,734]	6.15	6.92	10.77	7.69	10.00	10.77	6.92	13.85	9.23	17.69	(9.8%)
2nd/[734,744]	8.33	9.85	9.09	12.88	9.09	9.85	12.88	6.06	8.33	13.64	(10%)
3rd/[744,749]	6.59	5.49	8.79	9.89	7.69	10.99	18.68	10.99	13.19	7.69	(6.9%)
4th/[749,755]	8.92	11.46	9.55	9.55	8.28	8.92	7.64	12.74	11.46	11.46	(11.9%)
5th/[755,761]	14.19	9.46	8.78	6.76	9.46	8.11	11.49	8.11	9.46	14.19	(11.2%)
6th/[761,765]	9.92	10.69	11.45	13.74	7.63	8.40	10.69	9.92	9.16	8.40	(9.9%)
7th/[765,769]	10.22	5.84	14.60	8.76	10.95	13.14	6.57	9.49	10.22	10.22	(10.4%)
8th/[769,776]	9.85	9.85	11.36	9.85	12.12	11.36	9.09	9.85	8.33	8.33	(10%)
9th/[776,782]	11.57	12.40	9.09	14.05	10.74	9.09	5.79	8.26	9.09	9.92	(9.1%)
10th/[782,850]	10.42	14.58	6.94	8.33	13.19	6.94	12.50	10.42	9.72	6.94	(10.9%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution