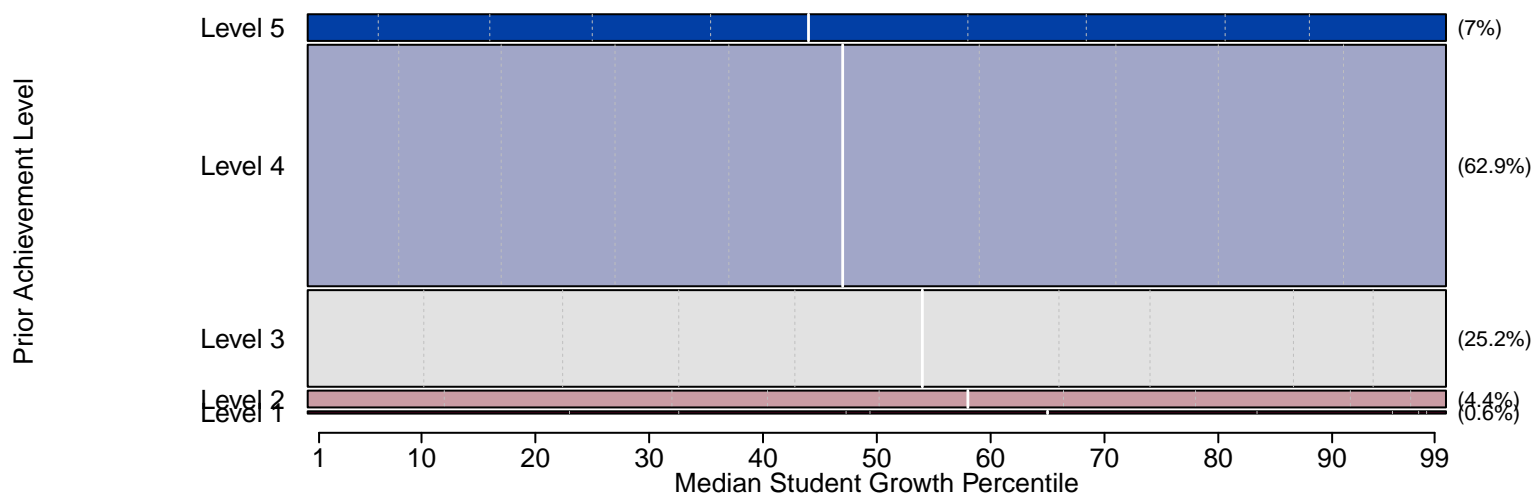# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.2 Integrated Math 1 SS SGP SIMEX, Grade EOCT (N = 1,323)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level

Level	Percentage
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	13.6	13.6	9.1	4.5	13.6	4.5	0.0	0.0	4.5	0.0	9.1	N = 22
	[707,715)	50.0	3.6	10.7	14.3	3.6	7.1	0.0	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	5.3	36.8	N = 19
	[825,850]	0.0	0.0	0.0	0.0	9.4	3.1	3.1	6.2	12.5	31.2	15.6	18.8	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)	8.46	6.15	10.00	6.92	10.77	10.00	5.38	12.31	6.92	23.08	(9.8%)
2nd/[734,744)	10.61	8.33	11.36	10.61	8.33	9.85	9.85	6.82	8.33	15.91	(10%)
3rd/[744,749)	7.69	5.49	7.69	10.99	6.59	10.99	13.19	13.19	12.09	12.09	(6.9%)
4th/[749,755)	10.19	11.46	8.92	8.92	8.28	8.92	7.64	8.92	12.10	14.65	(11.9%)
5th/[755,761)	15.54	8.11	8.78	6.76	9.46	7.43	10.14	6.76	10.81	16.22	(11.2%)
6th/[761,765)	9.92	12.98	10.69	12.21	7.63	8.40	9.92	9.92	9.16	9.16	(9.9%)
7th/[765,769)	11.68	8.76	11.68	8.03	10.22	13.14	5.11	8.03	11.68	11.68	(10.4%)
8th/[769,776)	10.61	9.85	12.88	8.33	11.36	11.36	7.58	10.61	6.06	11.36	(10%)
9th/[776,782)	12.40	12.40	9.09	13.22	10.74	9.09	4.96	8.26	8.26	11.57	(9.1%)
10th/[782,850]	11.81	13.19	7.64	8.33	12.50	6.94	11.11	10.42	10.42	7.64	(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