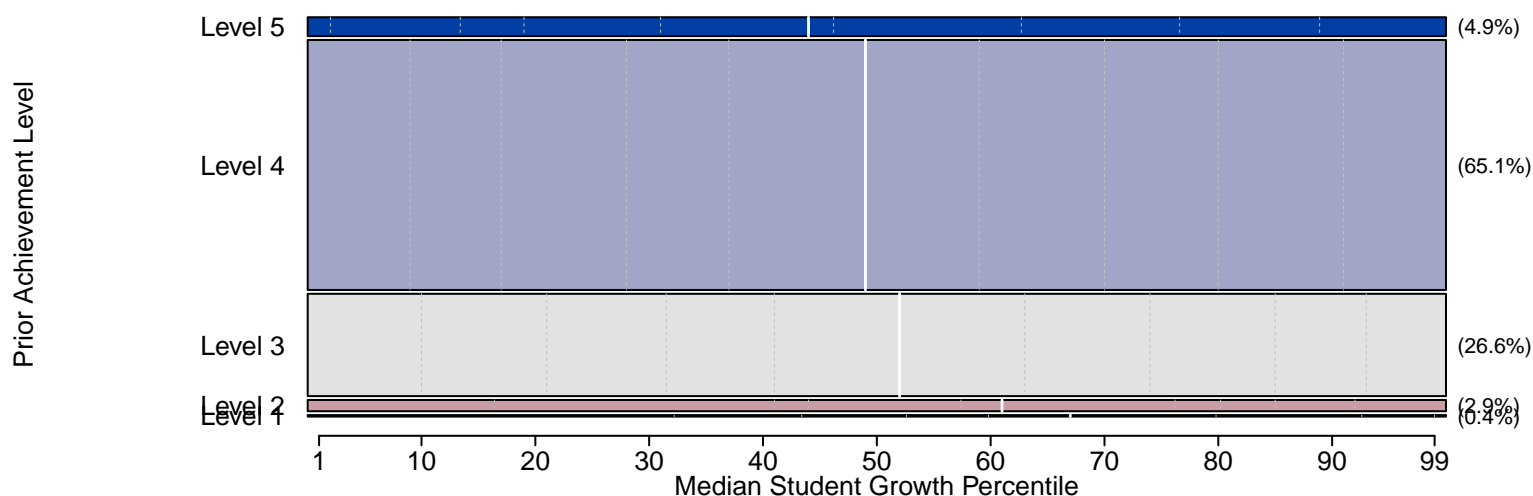# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 Integrated Math 1 SS SGP SIMEX, Grade EOCT (N = 1,261)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level

Level	Percent
Level 5	(4.9%)
Level 4	(65.1%)
Level 3	(26.6%)
Level 2	(2.9%)
Level 1	(0.4%)

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)

	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	N
Lowest OSS:	[650,710]	45.5	13.6	18.2	4.5	0.0	9.1	0.0	9.1	0.0	0.0	0.0	0.0	N = 22
	[710,720]	24.1	6.9	24.1	10.3	10.3	17.2	0.0	3.4	0.0	0.0	0.0	3.4	N = 29
Highest OSS:	[813,823]	0.0	0.0	7.4	0.0	0.0	3.7	7.4	18.5	14.8	18.5	7.4	22.2	N = 27
	[823,850]	3.6	0.0	7.1	0.0	0.0	25.0	3.6	0.0	3.6	14.3	10.7	32.1	N = 28

Student Growth Percentile Range

Prior Scale Score Decile/Range*

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	Percent
1st/[681,735]	8.13	9.76	4.88	8.13	16.26	7.32	11.38	8.13	6.50	19.51	(9.8%)
2nd/[735,744]	4.80	7.20	12.80	11.20	8.80	8.80	8.00	8.80	16.00	13.60	(9.9%)
3rd/[744,750]	14.62	7.69	9.23	8.46	10.77	11.54	3.85	10.77	10.77	12.31	(10.3%)
4th/[750,754]	12.26	9.43	9.43	6.60	9.43	14.15	9.43	8.49	10.38	10.38	(8.4%)
5th/[754,759]	9.29	9.29	5.71	11.43	8.57	9.29	10.71	12.14	11.43	12.14	(11.1%)
6th/[759,763]	9.48	12.93	9.48	7.76	12.07	6.03	10.34	11.21	10.34	10.34	(9.2%)
7th/[763,767]	11.20	8.80	12.00	12.00	6.40	6.40	9.60	12.00	7.20	14.40	(9.9%)
8th/[767,773]	14.81	9.63	8.15	11.11	14.81	7.41	5.93	5.93	10.37	11.85	(10.7%)
9th/[773,780]	7.83	15.65	7.83	13.04	7.83	13.04	12.17	6.96	7.83	7.83	(9.1%)
10th/[780,814]	14.38	16.44	6.16	8.22	13.01	8.22	7.53	7.53	8.90	9.59	(11.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution