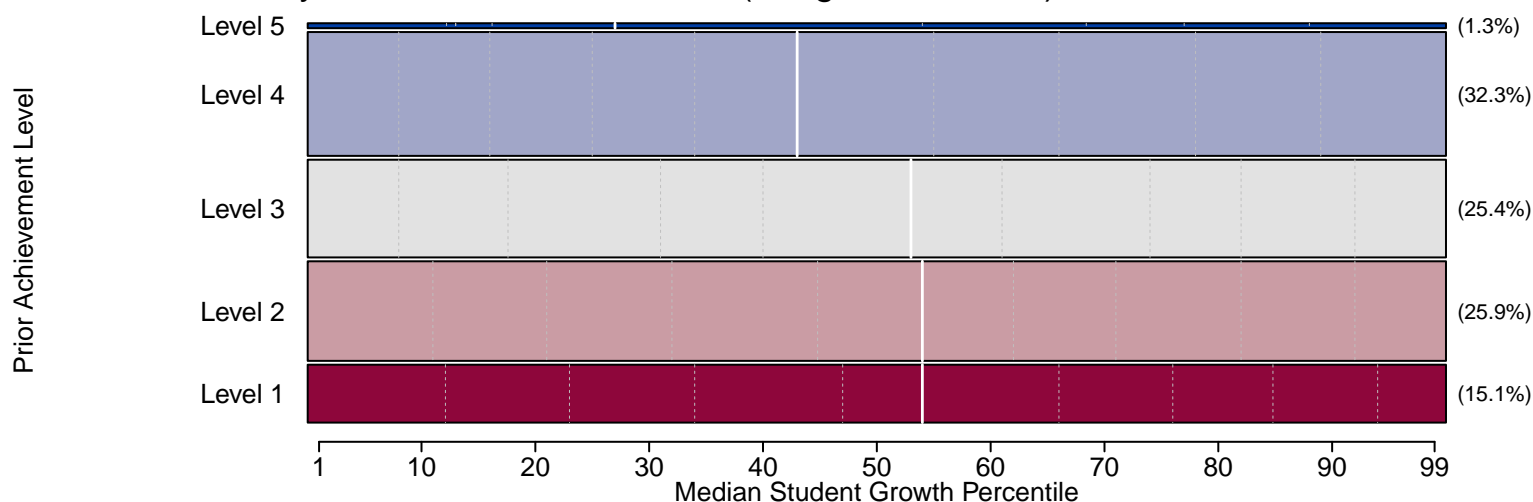# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016.2 Integrated Math 2 SGP SIMEX, Grade EOCT (N = 2,865)

SGP Deciles by Prior Achievement Level (Integrated Math 1)

Prior Achievement Level

Level	Percent
Level 5	(1.3%)
Level 4	(32.3%)
Level 3	(25.4%)
Level 2	(25.9%)
Level 1	(15.1%)

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:	[−15,−2.45)	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 = 21
	[−2.45,−2.323]	85.7	11.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 35
Highest OSS:	[2.192,2.491]	0.0	0.0	19.2	0.0	0.0	0.0	11.5	3.8	11.5	23.1	11.5	19.2	N = 26
	[2.491,3.258]	0.0	0.0	0.0	0.0	0.0	3.7	0.0	7.4	14.8	14.8	7.4	51.9	N = 27

Student Growth Percentile Range

Prior Scale Score Decile/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/[−6.02,−1.15)	8.90	7.83	11.74	11.39	8.19	8.19	10.68	8.54	12.10	12.46	(9.8%)
2nd/[−1.15,−0.752)	7.67	9.41	6.27	9.41	13.24	6.27	10.10	13.59	12.20	11.85	(10%)
3rd/[−0.752,−0.43)	9.34	8.30	6.57	15.22	10.38	10.03	11.07	8.30	9.69	11.07	(10.1%)
4th/[−0.43,−0.196)	8.18	7.43	8.55	10.41	11.15	7.43	11.52	11.15	7.43	16.73	(9.4%)
5th/[−0.196,0.068)	9.70	14.05	4.35	12.04	7.36	10.37	8.70	5.69	14.72	13.04	(10.4%)
6th/[0.068,0.386)	8.39	10.49	8.39	11.19	8.74	11.89	6.64	12.94	9.44	11.89	(10%)
7th/[0.386,0.699)	13.03	11.97	8.10	9.15	8.80	10.21	7.04	10.56	9.15	11.97	(9.9%)
8th/[0.699,1.02)	13.47	13.13	7.07	10.77	9.09	10.44	8.75	8.42	9.76	9.09	(10.4%)
9th/[1.02,1.41)	9.61	12.10	9.61	11.39	9.96	4.63	9.61	10.68	9.96	12.46	(9.8%)
10th/[1.41,2.73]	14.73	13.36	10.96	11.64	10.62	6.16	7.88	10.27	6.85	7.53	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution