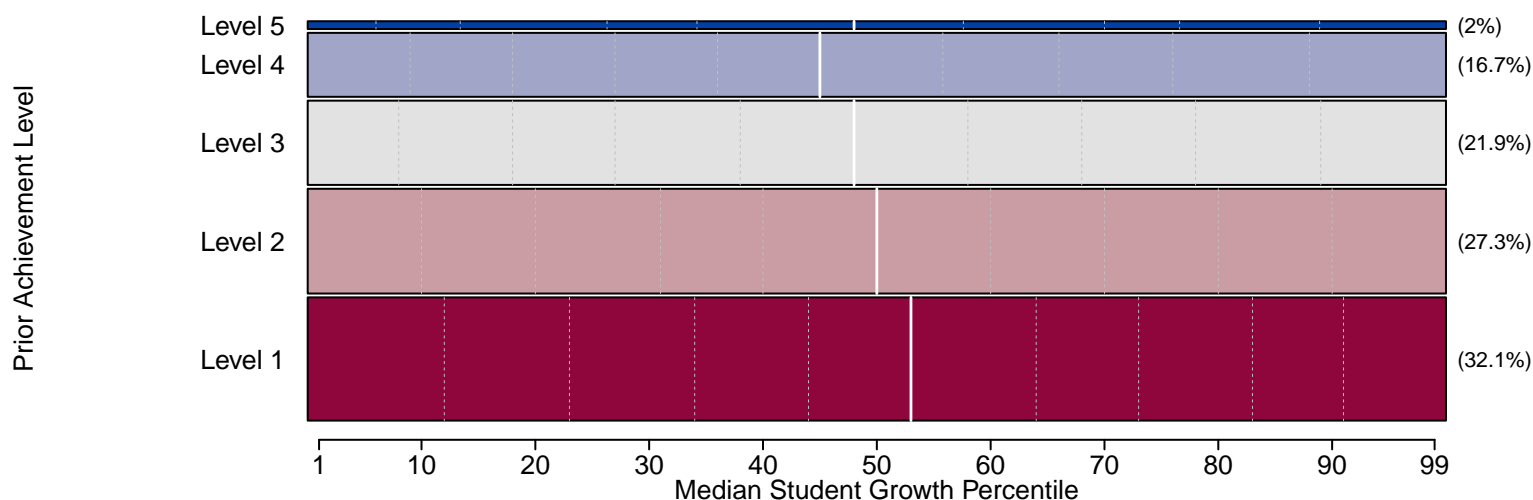# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.2 Integrated Math 1 SGP SIMEX Ranked, Grade EOCT (N = 7,500)

SGP Deciles by Prior Achievement Level (Mathematics)

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:	[−4.43,−2.51]	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 = 29
	[−2.509]	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 = 49
Highest OSS:	[2.66,2.99]	0.0	3.6	0.0	10.7	7.1	3.6	10.7	10.7	14.3	10.7	7.1	21.4	N = 28
	[2.99,5.32]	0.0	3.1	3.1	3.1	3.1	3.1	12.5	9.4	12.5	15.6	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/[−15,−1.7)	7.13	9.70	7.85	11.41	8.56	10.70	10.56	11.55	10.56	11.98	(9.3%)
2nd/[−1.7,−1.27)	8.05	8.47	10.31	9.75	11.16	10.59	9.60	9.60	11.58	10.88	(9.4%)
3rd/[−1.27,−0.913)	7.18	9.44	11.04	6.78	9.57	11.17	8.91	10.11	12.63	13.16	(10%)
4th/[−0.913,−0.619)	9.19	10.16	8.34	10.40	10.88	10.04	10.64	9.43	9.79	11.12	(11%)
5th/[−0.619,−0.393)	8.76	9.56	9.83	10.89	8.76	9.96	10.09	10.23	9.96	11.95	(10%)
6th/[−0.393,−0.0962)	9.65	10.91	9.37	9.79	11.05	8.53	9.79	10.49	11.33	9.09	(9.5%)
7th/[−0.0962,0.235)	10.63	9.49	11.39	10.25	8.10	11.14	9.37	10.38	8.35	10.89	(10.5%)
8th/[0.235,0.557)	11.71	10.36	11.17	10.36	8.75	9.69	11.04	9.29	8.48	9.15	(9.9%)
9th/[0.557,1.14)	11.96	11.30	10.38	9.86	10.38	9.99	9.99	9.59	7.88	8.67	(10.1%)
10th/[1.14,15]	12.00	10.67	10.93	10.40	10.93	8.80	9.47	10.27	8.00	8.53	(10%)

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

QQ–Plot: Student Growth Percentiles