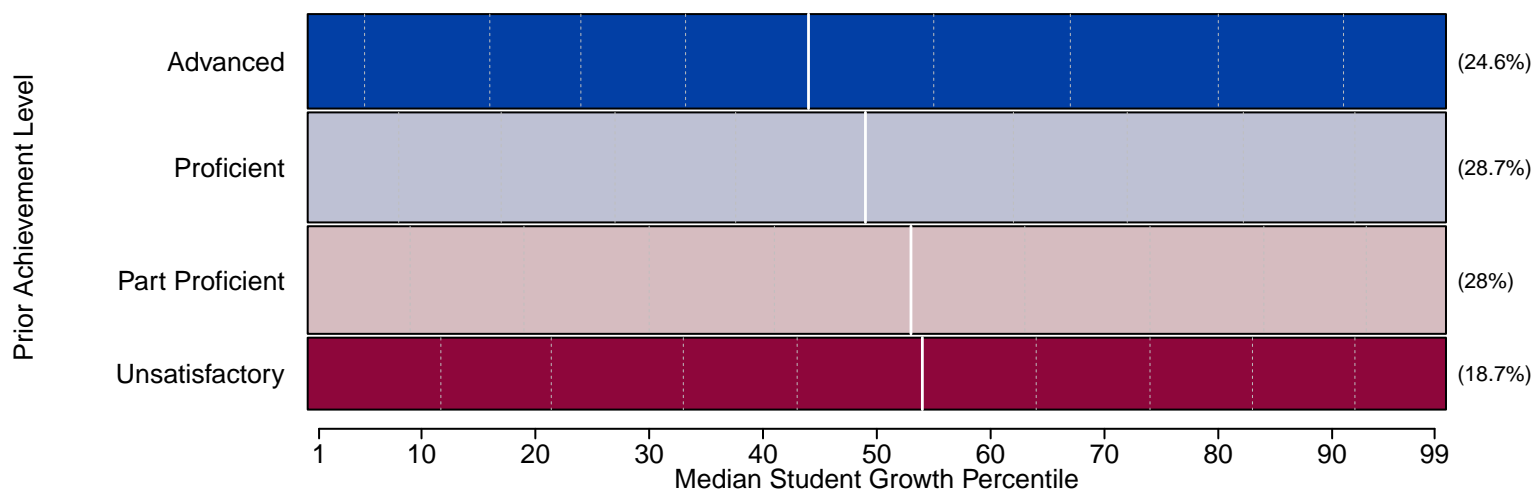# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017 Mathematics SGP SIMEX, Grade 9 (N = 4,101)

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:	[340]	46.2	26.9	23.1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 26
	(340,383]	50.0	8.3	12.5	0.0	12.5	4.2	4.2	8.3	0.0	0.0	0.0	0.0	N = 24
Highest OSS:	[721,739]	0.0	0.0	0.0	4.3	0.0	8.7	4.3	13.0	13.0	30.4	4.3	21.7	N = 23
	[739,789]	3.7	0.0	0.0	3.7	3.7	11.1	3.7	11.1	7.4	7.4	14.8	33.3	N = 27

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/[310,493)	9.38	10.62	8.15	8.40	6.67	9.88	8.15	12.59	11.85	14.32	(9.9%)
2nd/[493,524)	7.64	9.36	8.87	9.11	12.56	12.07	9.85	11.08	8.37	11.08	(9.9%)
3rd/[524,546)	9.78	10.02	10.27	11.00	8.56	7.82	10.02	8.07	9.78	14.67	(10%)
4th/[546,565)	11.90	8.81	7.62	9.52	8.57	9.29	8.57	8.81	11.67	15.24	(10.2%)
5th/[565,581)	12.60	10.50	7.61	10.50	7.87	9.19	8.40	10.50	11.29	11.55	(9.3%)
6th/[581,599)	8.97	9.66	9.89	8.28	10.57	8.97	9.20	8.97	9.20	16.32	(10.6%)
7th/[599,617)	12.75	11.76	8.82	10.29	7.60	5.64	9.07	8.82	12.75	12.50	(9.9%)
8th/[617,639)	15.12	7.80	10.98	12.20	8.54	8.05	10.49	9.51	6.59	10.73	(10%)
9th/[639,667)	15.01	11.38	10.41	8.72	8.47	8.72	7.02	8.47	11.14	10.65	(10.1%)
10th/[667,871)	15.70	10.87	9.18	8.94	10.87	7.25	9.90	6.52	8.94	11.84	(10.1%)

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

QQ–Plot: Student Growth Percentiles