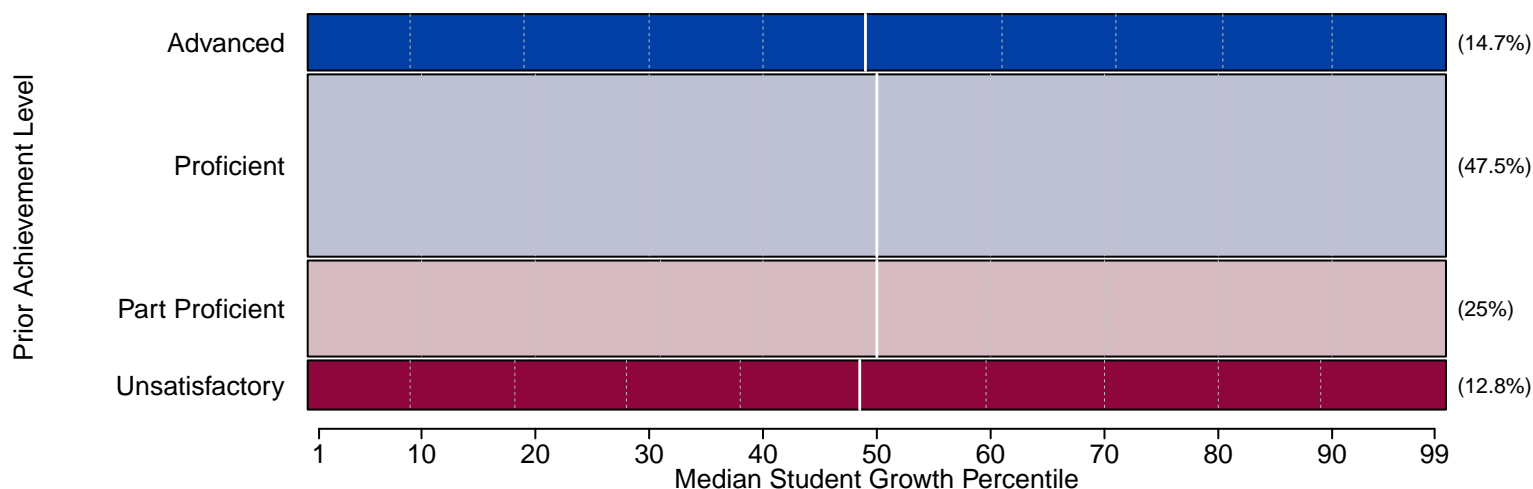# Student Growth Percentile Goodness–of–Fit Descriptives

2019 Mathematics SGP, Grade 6 (N = 6,727)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level	Median Student Growth Percentile	Percent
Advanced		(14.7%)
Proficient		(47.5%)
Part Proficient		(25%)
Unsatisfactory		(12.8%)

X-axis (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:	[402,426]	95.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 21
	[426]	74.4	20.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 39
Highest OSS:	[590]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	26.5	22.4	46.9	N = 49
	(590,661]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.7	89.7	N = 39

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	Percent
1st/[380,464)	11.09	10.25	10.42	9.58	9.58	9.75	8.74	9.75	10.92	9.92	(8.8%)
2nd/[464,480)	9.42	10.66	9.00	8.86	9.97	8.86	12.88	9.00	11.08	10.25	(10.7%)
3rd/[480,489)	8.18	9.45	9.45	10.18	12.18	10.00	7.45	9.27	12.91	10.91	(8.2%)
4th/[489,500)	10.49	8.71	11.23	12.70	8.12	11.67	10.04	7.53	9.16	10.34	(10.1%)
5th/[500,509)	7.99	11.80	8.13	7.99	10.62	10.62	10.35	12.71	9.70	10.09	(11.3%)
6th/[509,515)	11.15	9.69	10.79	9.69	10.42	7.68	10.97	10.24	9.14	10.24	(8.1%)
7th/[515,526)	9.96	9.46	9.84	10.96	9.71	10.46	8.22	9.34	10.34	11.71	(11.9%)
8th/[526,538)	8.69	9.54	9.40	10.11	8.55	10.97	11.97	9.83	10.97	9.97	(10.4%)
9th/[538,553)	9.20	10.90	8.52	12.78	11.93	9.37	11.58	6.98	8.69	10.05	(8.7%)
10th/[553,654]	10.88	10.37	10.50	8.96	9.48	8.71	8.96	11.27	10.88	9.99	(11.6%)

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

QQ–Plot: Student Growth Percentiles