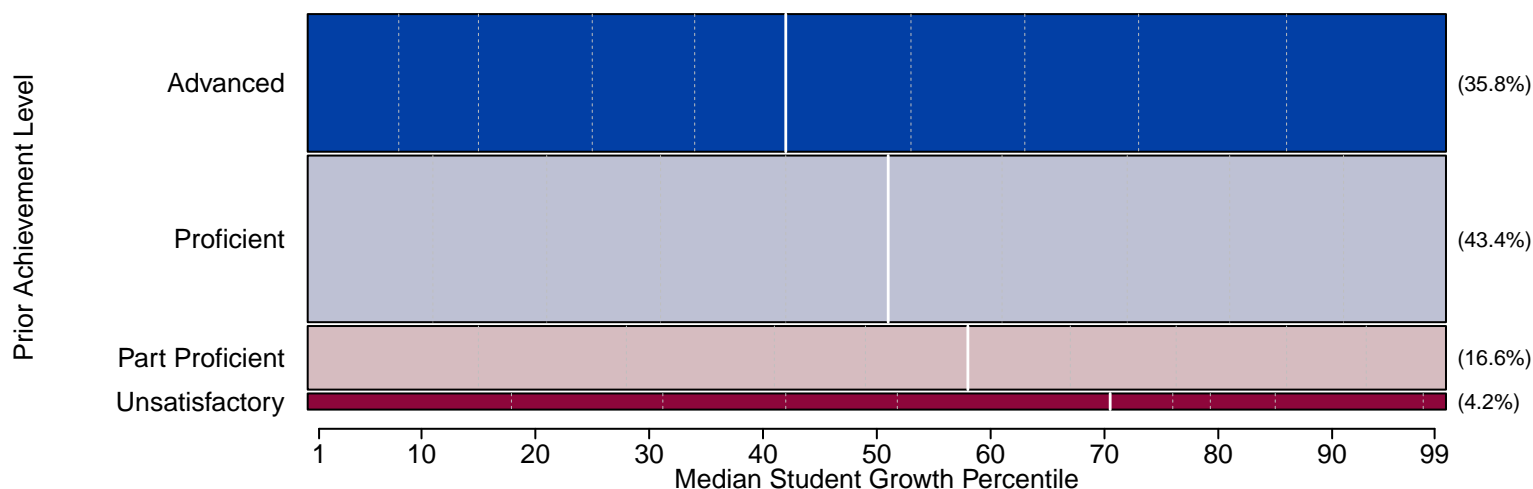# Student Growth Percentile Goodness–of–Fit Descriptives

2014–2015 Mathematics SGP SIMEX Ranked, Grade 4 (N = 4,045)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level (Median Student Growth Percentile):
- Advanced (35.8%)
- Proficient (43.4%)
- Part Proficient (16.6%)
- Unsatisfactory (4.2%)

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:	[213,300)	32.0	12.0	8.0	24.0	12.0	4.0	0.0	0.0	8.0	0.0	0.0	0.0	N = 25
	[300,325]	24.0	12.0	16.0	8.0	4.0	4.0	8.0	8.0	12.0	4.0	0.0	0.0	N = 25
Highest OSS:	[682,704)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	32.0	44.0	N = 25
	[704,780]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	80.8	N = 26

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/[150,379)	4.73	6.47	9.45	7.46	11.94	8.21	9.70	14.68	11.69	15.67	(9.9%)
2nd/[379,417)	7.65	5.93	9.38	6.67	10.12	11.11	13.09	8.64	13.33	14.07	(10%)
3rd/[417,443)	6.50	10.75	8.75	9.25	8.00	13.00	11.00	9.50	12.50	10.75	(9.9%)
4th/[443,463)	10.83	7.30	9.57	9.82	9.82	10.33	7.56	12.09	10.08	12.59	(9.8%)
5th/[463,483)	7.93	8.41	10.82	8.89	10.10	9.86	10.10	11.06	11.30	11.54	(10.3%)
6th/[483,501)	11.39	7.85	11.14	10.38	9.37	10.38	11.39	8.86	8.35	10.89	(9.8%)
7th/[501,522)	11.92	12.41	9.49	11.19	9.98	10.22	9.00	7.30	9.49	9.00	(10.2%)
8th/[522,547)	12.04	13.27	9.34	12.53	8.85	7.62	11.30	8.35	8.11	8.60	(10.1%)
9th/[547,590)	12.81	13.07	10.30	13.32	8.54	8.54	10.05	9.55	7.29	6.53	(9.8%)
10th/[590,700]	10.14	12.80	12.80	9.66	13.04	10.39	7.49	10.14	7.00	6.52	(10.2%)

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

QQ–Plot: Student Growth Percentiles