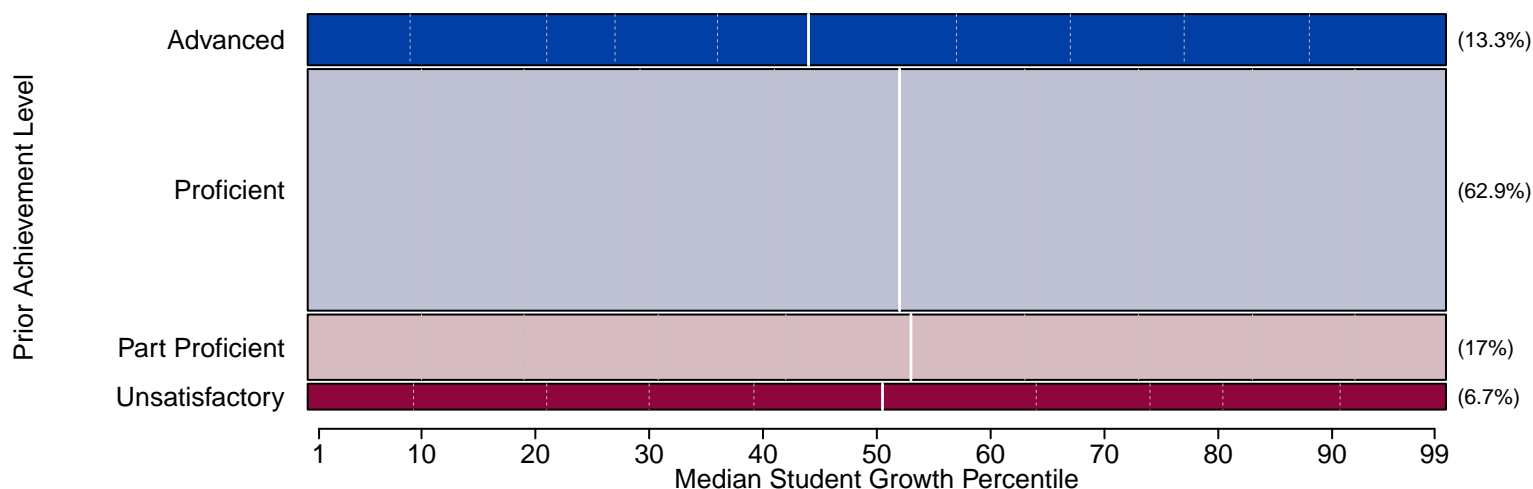# Student Growth Percentile Goodness–of–Fit Descriptives

2014–2015 Reading SGP SIMEX, Grade 7 (N = 3,918)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level (y-axis) vs Median Student Growth Percentile (x-axis, 1 to 99):

- Advanced (13.3%)
- Proficient (62.9%)
- Part Proficient (17%)
- Unsatisfactory (6.7%)

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:	[300,463]	48.0	20.0	16.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[463,486]	15.4	7.7	15.4	19.2	15.4	11.5	11.5	3.8	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[767,781]	0.0	0.0	0.0	0.0	0.0	13.0	0.0	4.3	4.3	13.0	17.4	47.8	N = 23
	[781,835]	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	14.8	22.2	0.0	59.3	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/[260,559]	10.03	9.77	11.57	9.51	7.71	10.28	9.25	11.05	8.48	12.34	(9.9%)
2nd/[559,591]	11.11	11.37	6.72	8.53	9.30	9.56	11.37	8.79	9.04	14.21	(9.9%)
3rd/[591,612]	6.15	9.74	11.79	7.69	10.26	8.21	7.95	11.28	14.87	12.05	(10%)
4th/[612,627]	9.23	8.98	9.48	10.22	8.48	8.98	10.72	9.98	11.72	12.22	(10.2%)
5th/[627,640]	10.35	10.08	7.90	7.63	8.45	11.72	9.26	8.72	11.99	13.90	(9.4%)
6th/[640,652]	10.00	14.87	9.49	6.67	5.90	11.28	8.21	8.97	12.82	11.79	(10%)
7th/[652,666]	11.81	9.05	6.03	9.30	7.29	9.80	11.31	11.31	9.30	14.82	(10.2%)
8th/[666,682]	9.92	9.92	11.20	7.89	10.18	10.69	10.18	9.16	12.47	8.40	(10%)
9th/[682,703]	9.93	10.67	10.92	10.67	10.92	9.43	7.94	7.94	7.20	14.39	(10.3%)
10th/[703,849]	11.50	8.75	12.25	14.00	8.00	9.00	7.75	10.00	9.75	9.00	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis, 0 to 100) vs Empirical SGP Distribution (y-axis, 0 to 100).