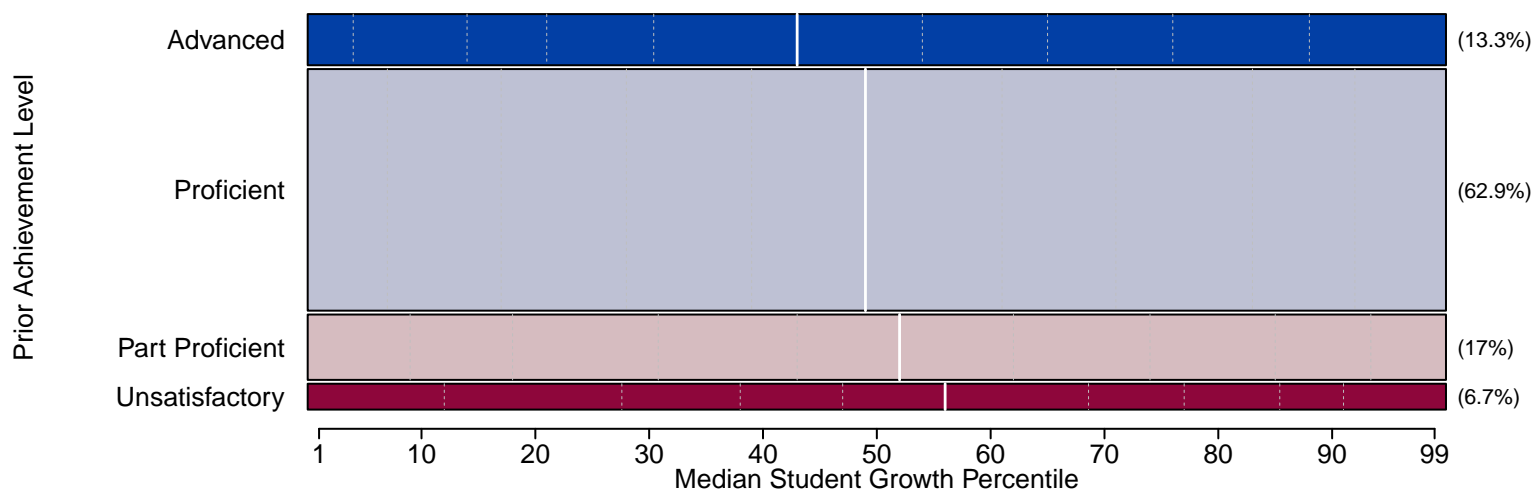# Student Growth Percentile Goodness–of–Fit Descriptives
2014–2015 Reading SGP SIMEX, Grade 7 (N = 3,918)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:
- Advanced (13.3%)
- Proficient (62.9%)
- Part Proficient (17%)
- Unsatisfactory (6.7%)

Median Student Growth Percentile

Ceiling / Floor Effects Test

Current Observed Score Extremes (Range) — Student Growth Percentile 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]	32.0	20.0	24.0	8.0	8.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[463,486]	11.5	3.8	19.2	23.1	15.4	0.0	19.2	3.8	3.8	0.0	0.0	0.0	N = 26
Highest OSS:	[767,781]	0.0	0.0	0.0	0.0	0.0	4.3	8.7	4.3	4.3	17.4	13.0	47.8	N = 23
	[781,835]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	11.1	18.5	18.5	48.1	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]	7.46	8.74	10.80	7.71	10.28	9.51	8.48	11.05	13.37	12.60	(9.9%)
2nd/[559,591]	12.66	10.34	7.24	8.01	9.30	8.53	10.34	10.08	8.01	15.50	(9.9%)
3rd/[591,612]	8.97	10.00	7.44	9.74	10.00	9.23	5.38	10.77	14.36	14.10	(10%)
4th/[612,627]	10.47	8.98	8.98	10.22	8.98	10.47	9.23	7.48	10.47	14.71	(10.2%)
5th/[627,640]	11.44	9.81	7.36	8.99	11.44	9.81	8.99	7.63	9.81	14.71	(9.4%)
6th/[640,652]	11.28	12.31	11.54	7.69	10.00	7.44	7.95	8.97	10.77	12.05	(10%)
7th/[652,666]	12.31	8.54	7.54	10.80	9.05	7.54	12.81	9.80	8.04	13.57	(10.2%)
8th/[666,682]	12.21	11.20	10.69	6.36	10.94	9.41	10.43	9.92	11.70	7.12	(10%)
9th/[682,703]	14.39	12.90	10.42	7.69	10.92	8.19	7.44	7.20	9.43	11.41	(10.3%)
10th/[703,849]	16.75	13.50	8.75	8.25	6.50	11.25	9.00	9.00	7.75	9.25	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution