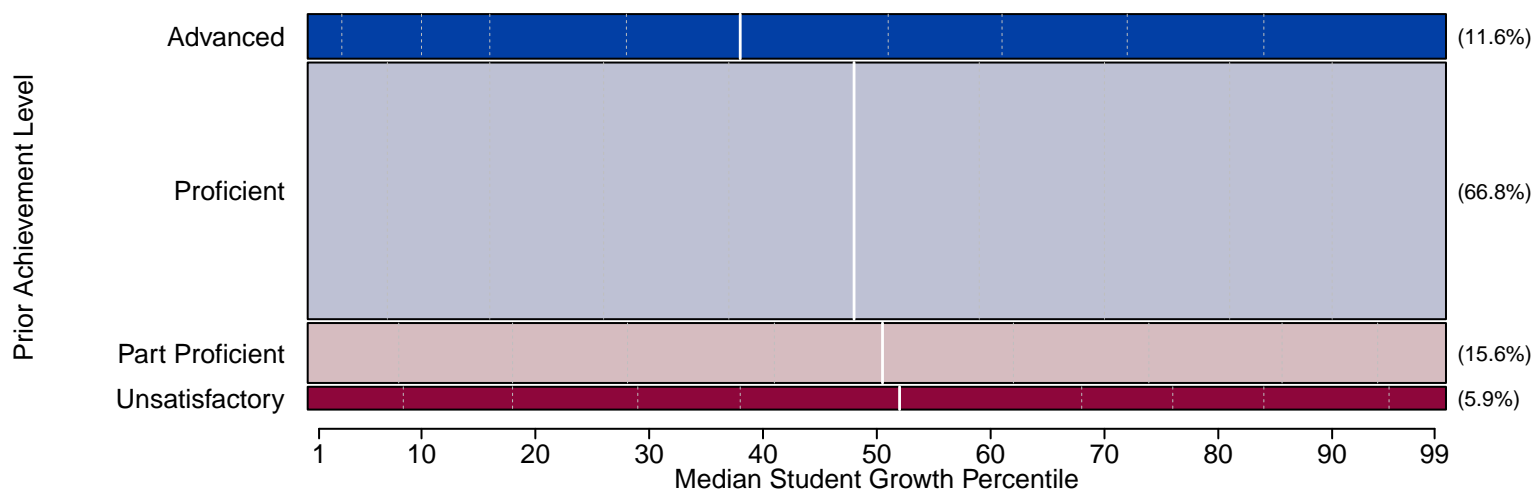# Student Growth Percentile Goodness–of–Fit Descriptives
2014–2015 Reading SGP SIMEX, Grade 6 (N = 3,960)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:
- Advanced (11.6%)
- Proficient (66.8%)
- Part Proficient (15.6%)
- Unsatisfactory (5.9%)

Median Student Growth Percentile (axis: 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:	[260,424)	56.0	16.0	12.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[424,468]	28.0	16.0	24.0	8.0	16.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	N = 25
Highest OSS:	[743,752)	0.0	0.0	0.0	0.0	4.0	0.0	0.0	8.0	28.0	20.0	8.0	32.0	N = 25
	[752,825]	0.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	28.0	24.0	40.0	N = 25

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/[220,556)	9.87	10.39	10.13	10.39	9.09	6.23	9.09	10.13	10.13	14.55	(9.7%)
2nd/[556,584)	14.21	9.39	9.90	7.36	9.14	8.63	7.36	8.12	8.38	17.51	(9.9%)
3rd/[584,604)	11.41	9.43	10.42	9.68	8.93	7.69	9.43	11.66	11.66	9.68	(10.2%)
4th/[604,617)	14.36	9.40	7.83	9.40	8.36	9.14	6.53	10.70	11.49	12.79	(9.7%)
5th/[617,630)	9.57	7.30	10.58	9.07	9.82	9.57	10.83	8.56	11.34	13.35	(10%)
6th/[630,643)	14.76	9.67	9.16	8.40	8.91	8.65	8.65	10.43	11.96	9.41	(9.9%)
7th/[643,657)	15.20	11.03	7.35	7.11	10.78	10.29	9.80	8.09	7.11	13.24	(10.3%)
8th/[657,673)	14.18	13.92	10.89	7.85	8.35	9.87	9.62	9.11	7.34	8.86	(10%)
9th/[673,696)	13.33	14.07	9.63	8.40	7.65	9.88	9.14	9.63	8.64	9.63	(10.2%)
10th/[696,906)	19.65	15.62	7.05	10.58	6.55	9.32	10.33	7.56	8.06	5.29	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (axis: 0 to 100)
Empirical SGP Distribution (axis: 0 to 100)