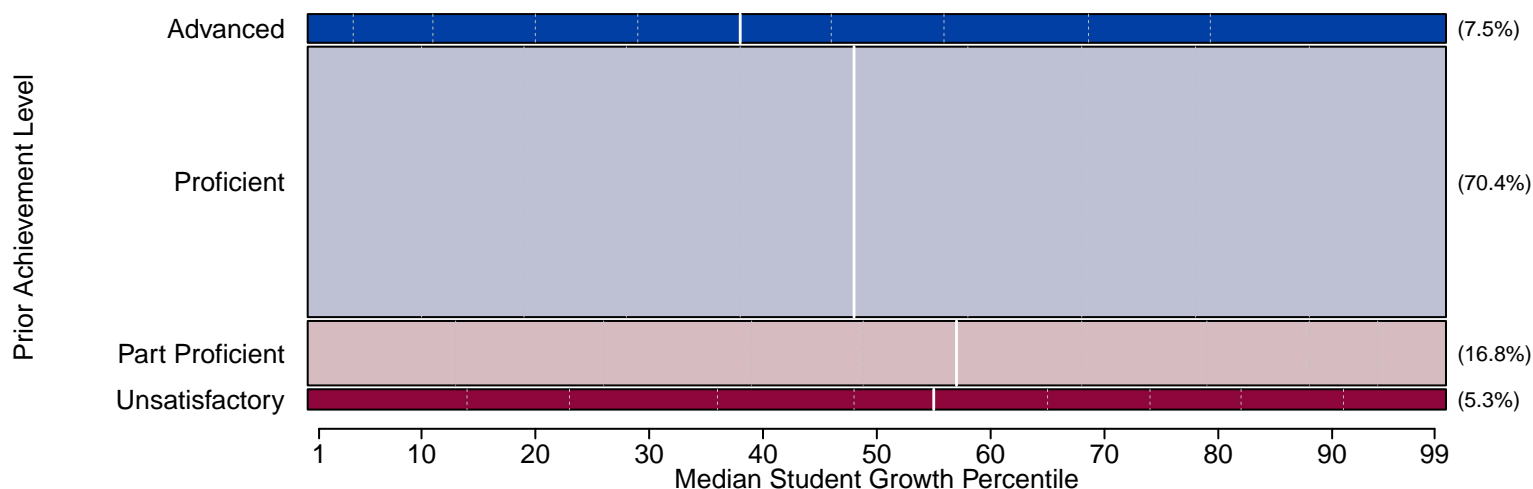# Student Growth Percentile Goodness–of–Fit Descriptives

2014–2015 Reading SGP SIMEX Ranked, Grade 10 (N = 3,980)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:
- Advanced (7.5%)
- Proficient (70.4%)
- Part Proficient (16.8%)
- Unsatisfactory (5.3%)

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:	[370,541]	45.8	25.0	25.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 24
	[541,558]	23.1	0.0	26.9	15.4	19.2	3.8	11.5	0.0	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[787,794]	0.0	0.0	0.0	0.0	0.0	8.0	4.0	12.0	20.0	28.0	8.0	20.0	N = 25
	[794,881]	0.0	0.0	0.0	0.0	3.8	0.0	7.7	3.8	23.1	19.2	11.5	30.8	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/[350,613]	6.82	10.86	8.59	10.10	9.60	9.09	10.10	10.61	11.62	12.63	(9.9%)
2nd/[613,637]	6.32	7.37	7.11	7.11	9.47	11.05	8.95	9.47	13.42	19.74	(9.5%)
3rd/[637,653]	7.73	8.23	8.98	8.73	9.23	13.22	11.47	9.23	11.22	11.97	(10.1%)
4th/[653,667]	8.18	8.44	11.25	9.72	9.97	10.49	9.97	10.74	12.02	9.21	(9.8%)
5th/[667,678]	8.77	9.48	10.19	10.66	9.00	9.00	9.95	10.19	10.43	12.32	(10.6%)
6th/[678,691]	8.08	11.62	7.32	12.37	13.89	10.35	8.08	10.35	7.07	10.86	(9.9%)
7th/[691,702]	9.82	10.85	9.04	11.37	11.37	7.24	11.11	11.11	9.04	9.04	(9.7%)
8th/[702,715]	11.62	12.37	14.90	9.09	11.11	9.34	8.08	8.84	9.34	5.30	(9.9%)
9th/[715,732]	13.40	12.16	11.91	9.18	8.68	9.43	10.92	9.43	8.93	5.96	(10.1%)
10th/[732,830]	18.14	11.03	12.25	11.52	9.80	9.80	8.33	9.56	5.39	4.17	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0–100) vs Empirical SGP Distribution (0–100)