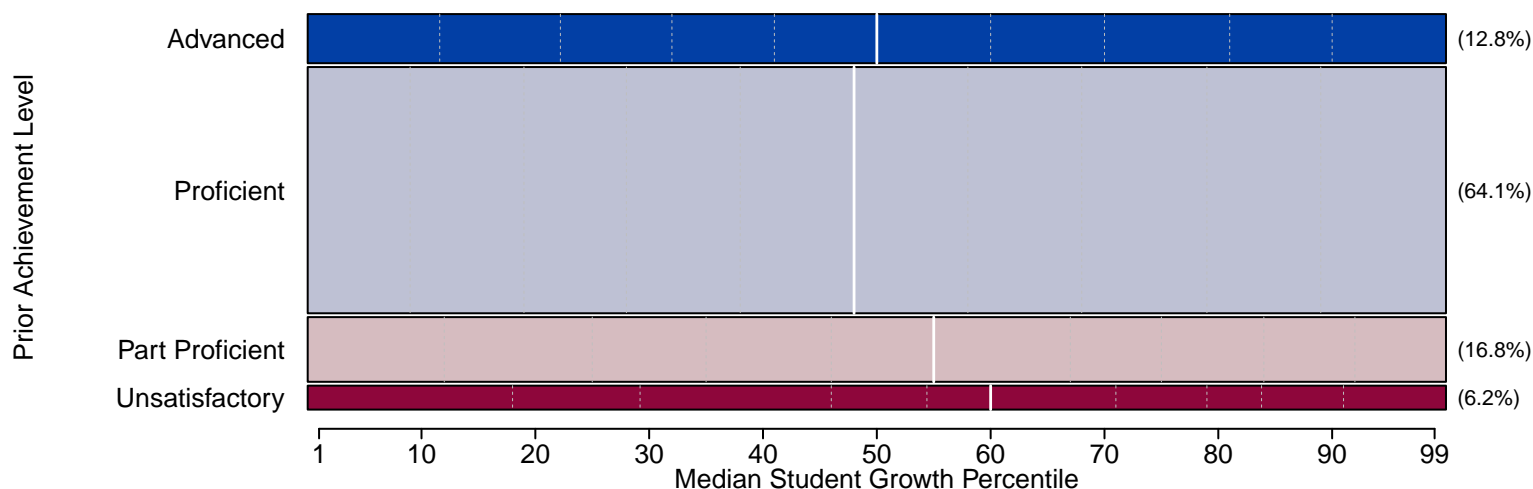# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016 Reading SGP SIMEX Ranked, Grade 7 (N = 4,042)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:
- Advanced (12.8%)
- Proficient (64.1%)
- Part Proficient (16.8%)
- Unsatisfactory (6.2%)

Median Student Growth Percentile

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:	[300,471]	43.5	4.3	30.4	0.0	8.7	0.0	8.7	0.0	4.3	0.0	0.0	0.0	N = 23
	[471,497]	14.8	7.4	11.1	11.1	3.7	3.7	22.2	7.4	11.1	7.4	0.0	0.0	N = 27
Highest OSS:	[771,787]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	16.0	40.0	36.0	N = 25
	[787,863]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	15.4	23.1	53.8	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/[260,562]	5.47	8.96	8.21	7.21	8.21	11.44	9.70	13.18	14.68	12.94	(9.9%)
2nd/[562,593]	7.94	7.44	9.68	9.68	11.91	8.44	11.41	11.17	7.44	14.89	(10%)
3rd/[593,612]	6.80	8.31	8.56	9.82	10.08	9.82	10.58	11.08	13.60	11.34	(9.8%)
4th/[612,627]	7.82	10.02	11.25	11.00	11.00	9.05	10.76	8.56	9.54	11.00	(10.1%)
5th/[627,640]	6.83	12.44	13.17	9.76	8.54	11.95	8.54	10.49	8.05	10.24	(10.1%)
6th/[640,654]	14.60	10.40	9.16	8.17	8.91	8.91	11.14	11.14	9.41	8.17	(10%)
7th/[654,666]	11.25	10.49	6.91	10.49	9.72	13.55	8.44	10.49	8.44	10.23	(9.7%)
8th/[666,681]	13.72	10.22	10.47	9.98	9.98	7.98	11.22	8.23	7.98	10.22	(9.9%)
9th/[681,703]	10.14	9.66	11.59	11.84	11.11	7.49	11.59	8.94	9.90	7.73	(10.2%)
10th/[703,825]	9.25	9.49	9.00	9.25	10.71	11.19	9.00	9.73	10.95	11.44	(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