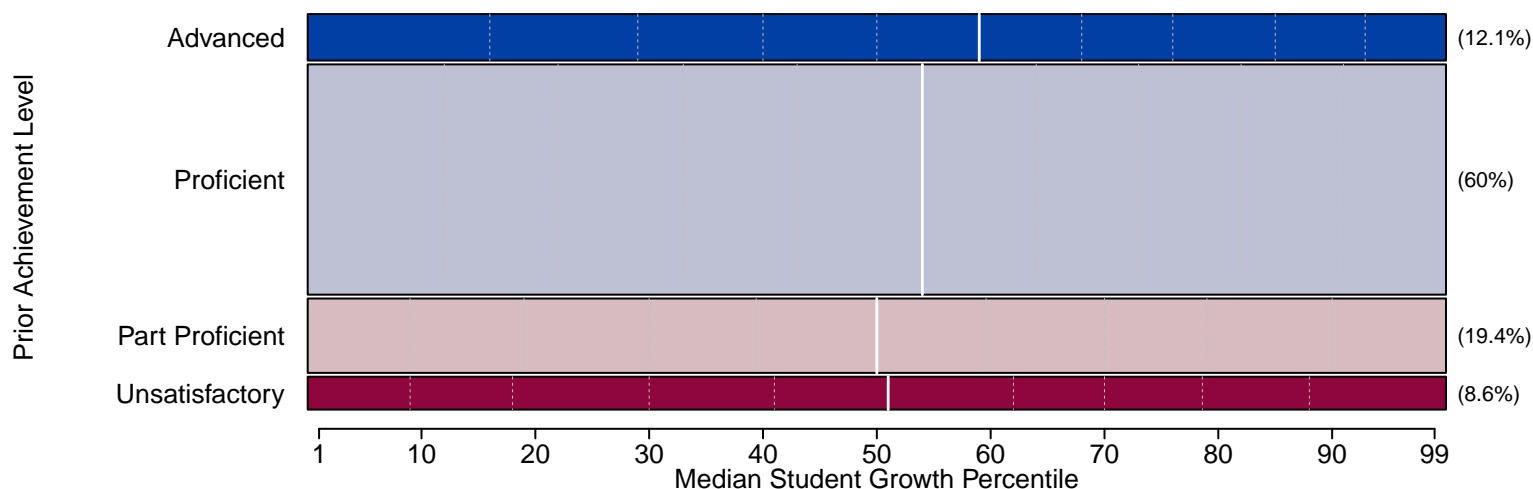# Student Growth Percentile Goodness–of–Fit Descriptives
2015–2016 Reading SGP, Grade 8 (N = 4,064)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:

- Advanced (12.1%)
- Proficient (60%)
- Part Proficient (19.4%)
- Unsatisfactory (8.6%)

Median Student Growth Percentile: 1 · 10 · 20 · 30 · 40 · 50 · 60 · 70 · 80 · 90 · 99

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:	[330,498)	52.0	20.0	12.0	8.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[498,515]	32.0	12.0	24.0	16.0	12.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
Highest OSS:	[777,792]	0.0	0.0	0.0	0.0	0.0	3.8	7.7	15.4	7.7	15.4	3.8	46.2	N = 26
	[792,883]	0.0	0.0	0.0	0.0	0.0	0.0	7.4	7.4	11.1	7.4	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/[300,574)	10.75	10.25	8.50	9.25	10.50	9.00	10.25	12.00	10.50	9.00	(9.8%)
2nd/[574,604)	11.14	10.17	7.99	10.65	11.14	8.96	8.47	11.38	10.41	9.69	(10.2%)
3rd/[604,624)	10.25	9.25	8.00	10.75	8.75	11.50	9.75	11.00	7.50	13.25	(9.8%)
4th/[624,639)	8.61	7.85	12.15	9.87	10.38	11.14	7.59	9.62	11.65	11.14	(9.7%)
5th/[639,654)	8.83	11.46	10.74	6.44	10.74	9.07	12.17	9.31	11.46	9.79	(10.3%)
6th/[654,669)	8.09	10.54	11.03	9.80	8.33	12.99	8.33	10.05	10.05	10.78	(10%)
7th/[669,684)	9.21	8.18	6.91	8.18	9.72	9.21	12.79	13.04	11.25	11.51	(9.6%)
8th/[684,699)	6.07	8.98	9.71	8.50	8.74	9.95	10.92	12.14	12.62	12.38	(10.1%)
9th/[699,721)	5.97	8.35	9.79	10.74	7.16	9.55	13.37	10.02	12.41	12.65	(10.3%)
10th/[721,897)	5.16	9.09	7.62	7.86	9.83	10.81	10.07	13.76	11.30	14.50	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0 · 10 · 20 · 30 · 40 · 50 · 60 · 70 · 80 · 90 · 100

Empirical SGP Distribution: 0 · 10 · 20 · 30 · 40 · 50 · 60 · 70 · 80 · 90 · 100