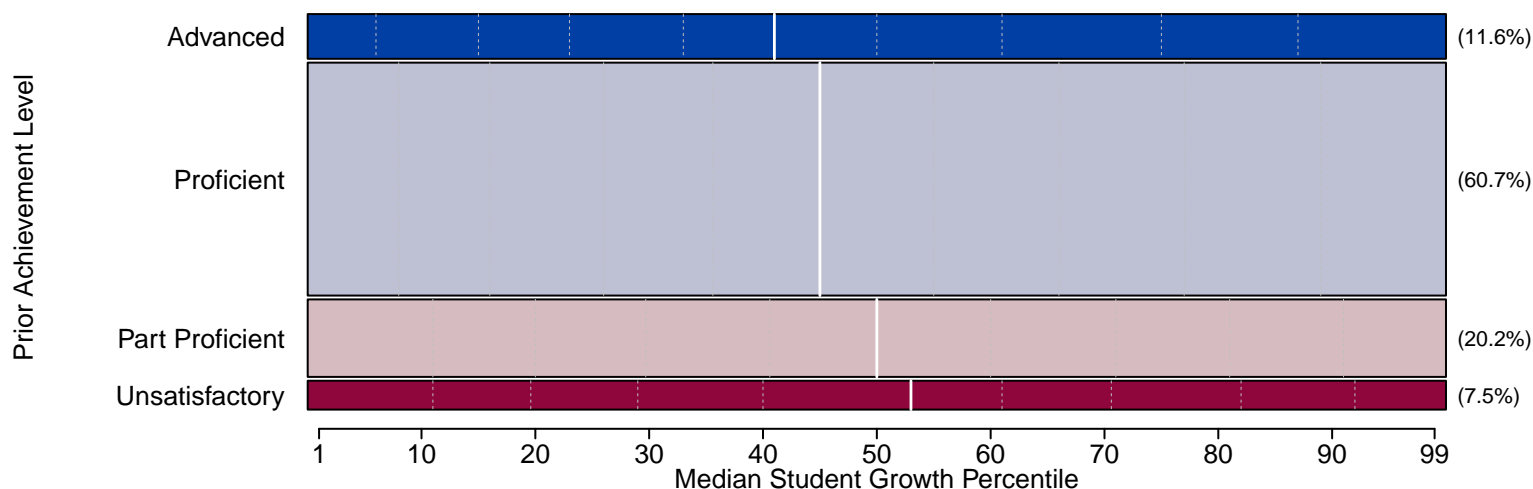# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017 Reading SGP, Grade 8 (N = 4,113)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level

- Advanced (11.6%)
- Proficient (60.7%)
- Part Proficient (20.2%)
- Unsatisfactory (7.5%)

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:	[330,500]	53.8	11.5	19.2	11.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 26
	[500,522]	26.9	3.8	30.8	19.2	7.7	3.8	0.0	7.7	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[763,781]	0.0	0.0	0.0	4.0	0.0	0.0	4.0	8.0	12.0	36.0	20.0	16.0	N = 25
	[781,839]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	23.1	19.2	50.0	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/[300,578)	9.23	9.73	9.98	8.98	7.73	9.98	11.22	10.22	9.23	13.72	(9.7%)
2nd/[578,605)	8.85	10.05	13.16	10.29	9.57	7.66	8.13	9.33	10.53	12.44	(10.2%)
3rd/[605,624)	9.63	13.09	8.64	7.90	9.63	12.10	11.11	9.14	9.63	9.14	(9.8%)
4th/[624,638)	9.62	10.38	9.62	10.13	9.62	10.89	12.15	9.62	9.11	8.86	(9.6%)
5th/[638,651)	12.07	9.61	9.36	12.56	9.85	9.85	8.13	10.34	10.34	7.88	(9.9%)
6th/[651,665)	10.51	9.81	10.75	10.75	10.75	9.35	7.48	9.11	10.28	11.21	(10.4%)
7th/[665,680)	12.77	11.57	10.36	11.57	11.08	8.92	8.43	8.19	8.19	8.92	(10.1%)
8th/[680,698)	12.59	12.35	9.50	9.26	12.83	8.31	8.55	10.21	5.94	10.45	(10.2%)
9th/[698,720)	18.45	11.41	9.95	10.44	9.71	9.22	8.74	6.31	8.25	7.52	(10%)
10th/[720,863)	12.38	11.41	12.86	11.89	10.44	9.22	8.74	7.52	8.98	6.55	(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