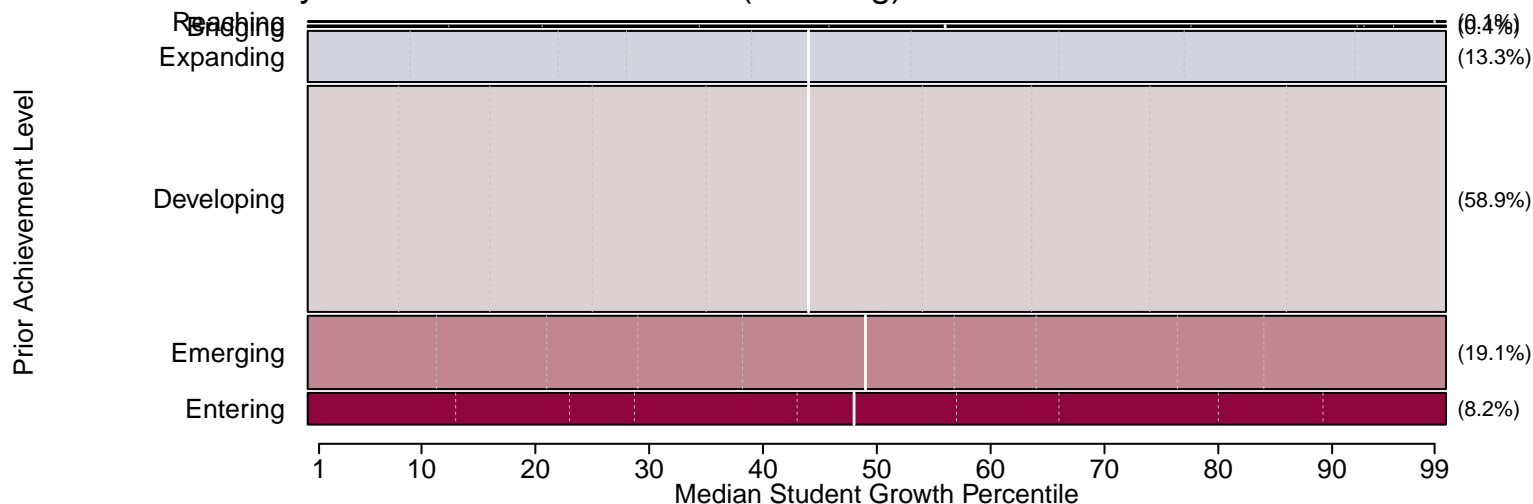# Student Growth Percentile Goodness–of–Fit Descriptives

2021 Reading SGP, Grade 11 (N = 1,697)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:

- Reaching (0.1%)
- Emerging (0.4%)
- Expanding (13.3%)
- Developing (58.9%)
- Emerging (19.1%)
- Entering (8.2%)

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:	[262,304]	46.2	15.4	15.4	15.4	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	N = 26
	[304,313]	22.2	7.4	25.9	25.9	3.7	14.8	0.0	0.0	0.0	0.0	0.0	0.0	N = 27
Highest OSS:	[420,428]	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0	12.0	20.0	60.0	N = 25
	[428,467]	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	12.0	4.0	12.0	68.0	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/[263,315]	7.88	8.48	17.58	3.64	13.94	12.12	9.09	7.27	10.30	9.70	(9.7%)
2nd/[315,334]	4.82	7.23	10.24	12.65	10.24	16.27	9.64	11.45	12.05	5.42	(9.8%)
3rd/[334,346]	10.78	13.77	13.17	10.78	7.19	7.78	11.38	7.78	8.38	8.98	(9.8%)
4th/[346,355]	11.93	12.50	10.23	15.34	7.95	6.82	10.80	11.93	7.39	5.11	(10.4%)
5th/[355,361]	16.00	8.00	15.33	6.67	11.33	8.67	12.00	6.67	9.33	6.00	(8.8%)
6th/[361,368]	11.63	12.79	11.63	7.56	13.37	8.14	8.72	12.21	5.23	8.72	(10.1%)
7th/[368,374]	12.02	10.38	9.84	7.65	16.39	10.38	7.10	9.84	9.84	6.56	(10.8%)
8th/[374,380]	12.57	10.78	12.57	8.38	12.57	10.78	7.78	10.18	4.79	9.58	(9.8%)
9th/[380,389]	12.28	7.02	14.62	9.94	8.19	11.70	11.70	5.85	11.11	7.60	(10.1%)
10th/[389,447]	10.56	7.22	15.00	7.78	12.78	10.56	8.89	8.33	5.56	13.33	(10.6%)

*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