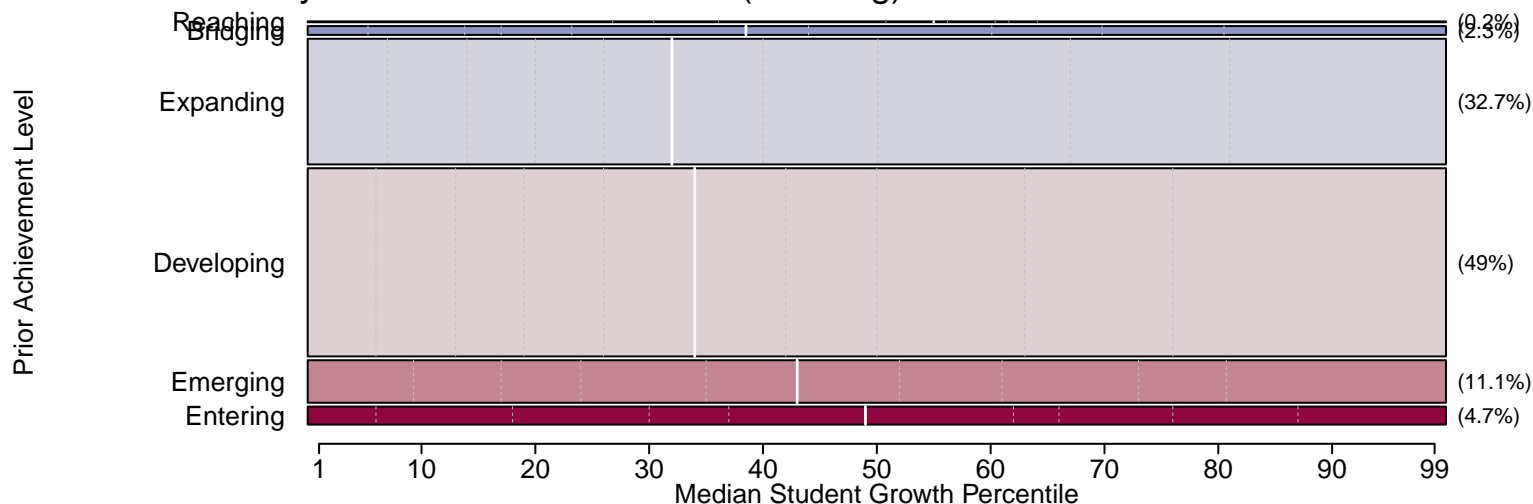# Student Growth Percentile Goodness–of–Fit Descriptives

2021 Reading SGP, Grade 6 (N = 3,649)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level (vs. Median Student Growth Percentile):
- Reaching (9.2%)
- Bridging (2.3%)
- Expanding (32.7%)
- Developing (49%)
- Emerging (11.1%)
- Entering (4.7%)

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:	[224,274)	57.7	30.8	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 26
	[274,281]	59.3	7.4	11.1	11.1	7.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0	N = 27
Highest OSS:	[393,398)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	31.8	13.6	45.5	N = 22
	[398,424]	0.0	0.0	0.0	3.2	0.0	0.0	3.2	9.7	6.5	3.2	9.7	64.5	N = 31

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/[197,298]	9.64	11.02	10.19	9.37	10.19	9.37	15.15	10.47	9.09	5.51	(9.9%)
2nd/[298,315]	11.71	12.57	18.29	8.00	13.71	8.00	8.57	8.29	6.00	4.86	(9.6%)
3rd/[315,326]	14.33	13.18	14.04	12.32	12.03	10.32	8.02	7.74	4.30	3.72	(9.6%)
4th/[326,335]	15.01	13.49	13.49	14.25	15.01	9.67	6.11	5.85	3.56	3.56	(10.8%)
5th/[335,341]	13.35	17.21	11.57	12.17	12.76	9.50	5.04	8.31	5.93	4.15	(9.2%)
6th/[341,347]	17.44	16.62	10.08	15.80	8.99	7.63	6.81	7.63	5.45	3.54	(10.1%)
7th/[347,353]	19.69	16.01	17.06	12.07	8.14	9.19	4.99	6.56	4.20	2.10	(10.4%)
8th/[353,360]	15.89	14.52	17.26	12.05	10.68	5.48	4.11	8.77	5.75	5.48	(10%)
9th/[360,369]	12.77	14.95	17.12	15.49	7.88	7.34	7.34	5.98	5.98	5.16	(10.1%)
10th/[369,426]	13.03	14.89	13.03	11.97	10.37	7.71	8.78	8.78	5.32	6.12	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis: 0 to 100) vs. Empirical SGP Distribution (y-axis: 0 to 100)