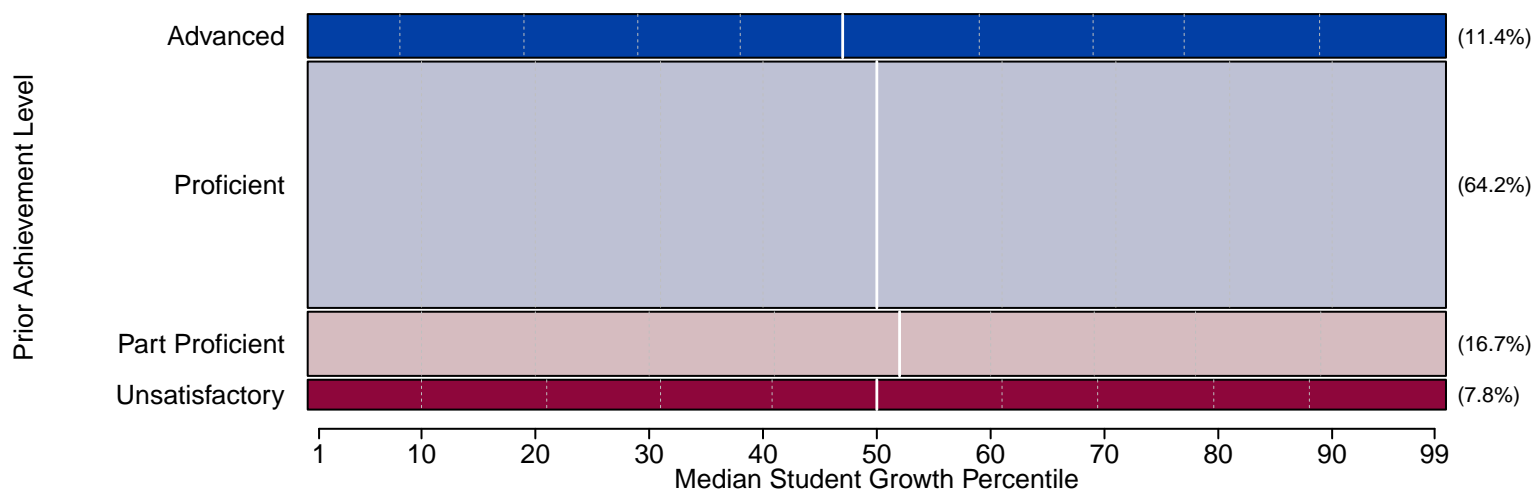# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017 Reading SGP, Grade 6 (N = 4,154)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:
- Advanced (11.4%)
- Proficient (64.2%)
- Part Proficient (16.7%)
- Unsatisfactory (7.8%)

x-axis: 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:	[260,359]	92.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[359,449]	40.0	8.0	28.0	20.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	N = 25
Highest OSS:	[744,751]	0.0	0.0	0.0	0.0	0.0	4.5	0.0	9.1	13.6	22.7	18.2	31.8	N = 22
	[751,829]	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	10.3	31.0	51.7	N = 29

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/[220,548)	10.02	8.80	8.56	10.51	11.00	8.31	11.49	11.25	11.00	9.05	(9.8%)
2nd/[548,579)	7.58	9.95	10.66	10.19	9.48	13.74	10.19	9.95	9.00	9.24	(10.2%)
3rd/[579,597)	10.61	9.60	10.10	9.34	7.32	10.10	8.84	11.36	11.36	11.36	(9.5%)
4th/[597,612)	8.56	11.34	9.07	11.84	13.85	7.30	10.08	9.57	10.33	8.06	(9.6%)
5th/[612,627)	9.91	9.23	9.91	11.71	8.56	8.11	10.81	10.36	8.56	12.84	(10.7%)
6th/[627,641)	9.62	8.41	8.65	10.10	10.58	10.10	9.62	11.78	11.06	10.10	(10%)
7th/[641,656)	8.81	10.48	10.48	8.10	10.71	9.05	10.24	9.52	11.67	10.95	(10.1%)
8th/[656,673)	10.32	10.57	9.09	11.06	8.85	10.57	9.58	9.58	10.07	10.32	(9.8%)
9th/[673,694)	9.65	12.24	8.47	8.94	10.59	9.88	9.18	8.47	10.59	12.00	(10.2%)
10th/[694,827]	11.24	7.89	10.77	11.48	11.24	7.89	9.81	12.20	8.61	8.85	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis: 0–100)
Empirical SGP Distribution (y-axis: 0–100)