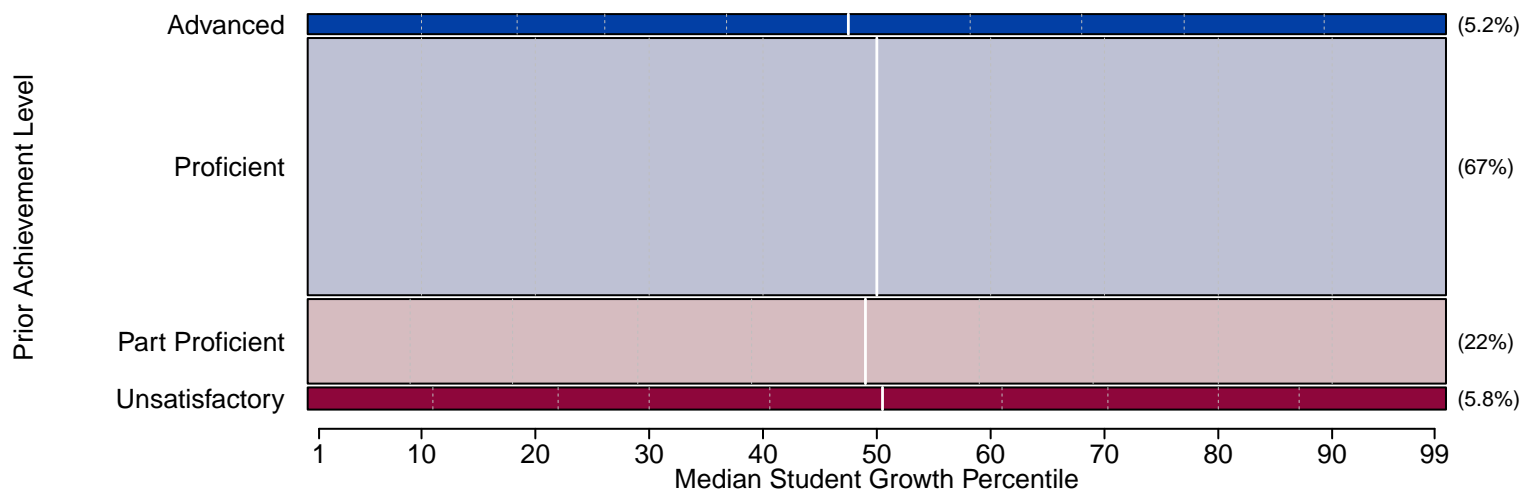# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017 Reading SGP, Grade 5 (N = 4,161)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level (vertical axis): Advanced (5.2%), Proficient (67%), Part Proficient (22%), Unsatisfactory (5.8%)

Median Student Growth Percentile (horizontal axis): 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:	[220,435)	56.0	16.0	16.0	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[435,465)	11.5	11.5	30.8	19.2	19.2	0.0	3.8	3.8	0.0	0.0	0.0	0.0	N = 26
Highest OSS:	[738,754)	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	16.0	16.0	28.0	36.0	N = 25
	[754,853]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	20.0	16.0	60.0	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/[180,534)	7.88	9.11	10.34	10.10	9.85	10.10	10.59	9.36	11.58	11.08	(9.8%)
2nd/[534,559)	12.47	13.43	9.59	9.59	8.15	9.35	10.55	10.31	8.87	7.67	(10%)
3rd/[559,575)	7.73	9.66	9.18	10.39	12.32	10.14	9.18	10.39	10.14	10.87	(9.9%)
4th/[575,589)	8.83	9.07	11.93	10.26	8.83	9.55	10.26	10.26	10.74	10.26	(10.1%)
5th/[589,601)	8.80	8.31	11.49	9.78	11.74	9.29	10.76	9.78	10.02	10.02	(9.8%)
6th/[601,612)	10.51	11.25	9.54	9.78	10.27	10.51	10.27	8.07	9.05	10.76	(9.8%)
7th/[612,624)	10.27	10.73	9.59	10.50	8.45	9.59	9.13	14.61	7.99	9.13	(10.5%)
8th/[624,638)	6.97	10.10	9.62	10.10	9.86	7.93	11.78	9.86	11.78	12.02	(10%)
9th/[638,656)	9.41	10.89	10.40	7.92	9.41	12.38	9.90	9.16	10.89	9.65	(9.7%)
10th/[656,772]	11.89	11.19	9.32	10.96	10.72	8.62	9.09	9.79	8.86	9.56	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (horizontal axis): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution (vertical axis): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100