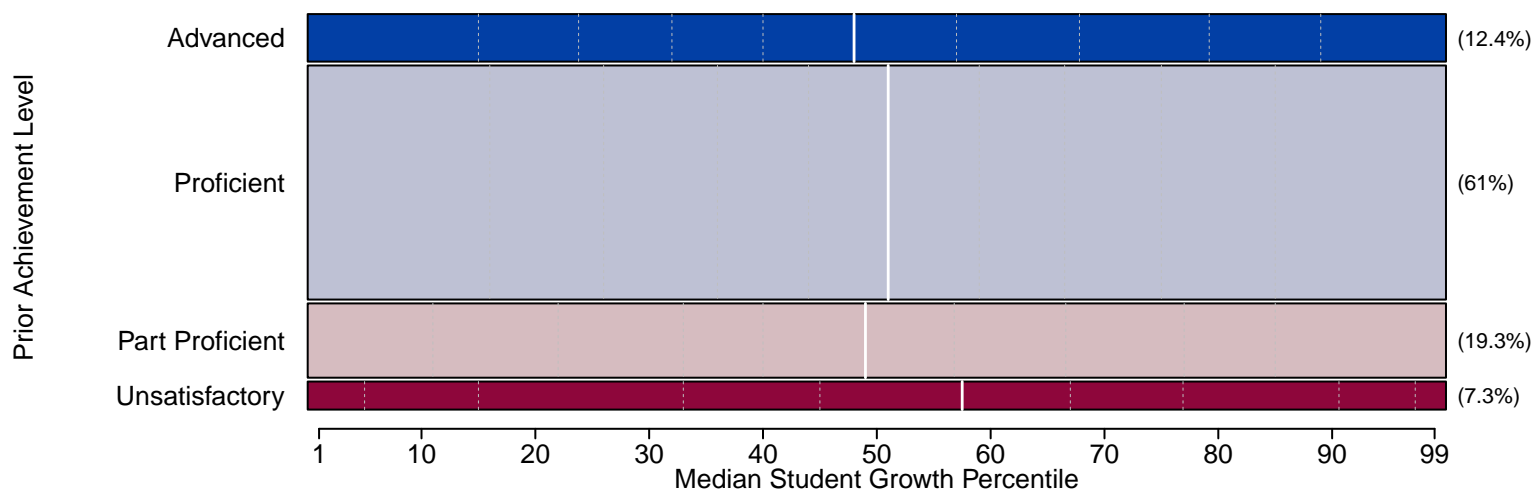# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017 Reading SGP OIs, Grade 9 (N = 4,078)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level:
- Advanced (12.4%)
- Proficient (61%)
- Part Proficient (19.3%)
- Unsatisfactory (7.3%)

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:	[350,516]	95.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	N = 24
	[516,548]	50.0	7.7	19.2	0.0	7.7	0.0	0.0	3.8	0.0	3.8	0.0	7.7	N = 26
Highest OSS:	[767,774]	4.0	0.0	0.0	12.0	0.0	4.0	4.0	4.0	12.0	24.0	12.0	24.0	N = 25
	[774,888]	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	15.4	19.2	61.5	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/[330,589]	13.37	8.66	5.69	9.16	8.66	10.40	8.42	9.41	8.66	17.57	(9.9%)
2nd/[589,618]	8.75	8.00	9.25	12.00	12.50	11.50	11.00	10.50	11.25	5.25	(9.8%)
3rd/[618,636]	6.31	11.36	10.61	13.38	10.86	10.35	11.87	11.11	8.84	5.30	(9.7%)
4th/[636,652]	6.27	10.12	9.64	10.84	15.18	11.81	10.60	11.33	8.92	5.30	(10.2%)
5th/[652,667]	4.89	10.76	9.54	11.25	15.16	12.47	11.98	11.98	5.87	6.11	(10%)
6th/[667,682]	5.24	7.62	10.00	11.90	11.19	15.24	11.19	13.57	8.10	5.95	(10.3%)
7th/[682,695]	3.08	8.74	10.80	9.51	15.68	13.88	9.77	13.62	9.25	5.66	(9.5%)
8th/[695,710]	3.86	6.02	11.08	9.88	12.53	14.70	14.70	11.08	8.43	7.71	(10.2%)
9th/[710,730]	2.95	8.11	9.09	11.06	14.50	14.50	11.30	9.34	12.04	7.13	(10%)
10th/[730,883]	6.38	9.93	11.82	13.00	11.82	12.06	7.57	8.75	9.22	9.46	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0–100) vs. Empirical SGP Distribution (0–100)