Student Growth Percentile Goodness–of–Fit Descriptives
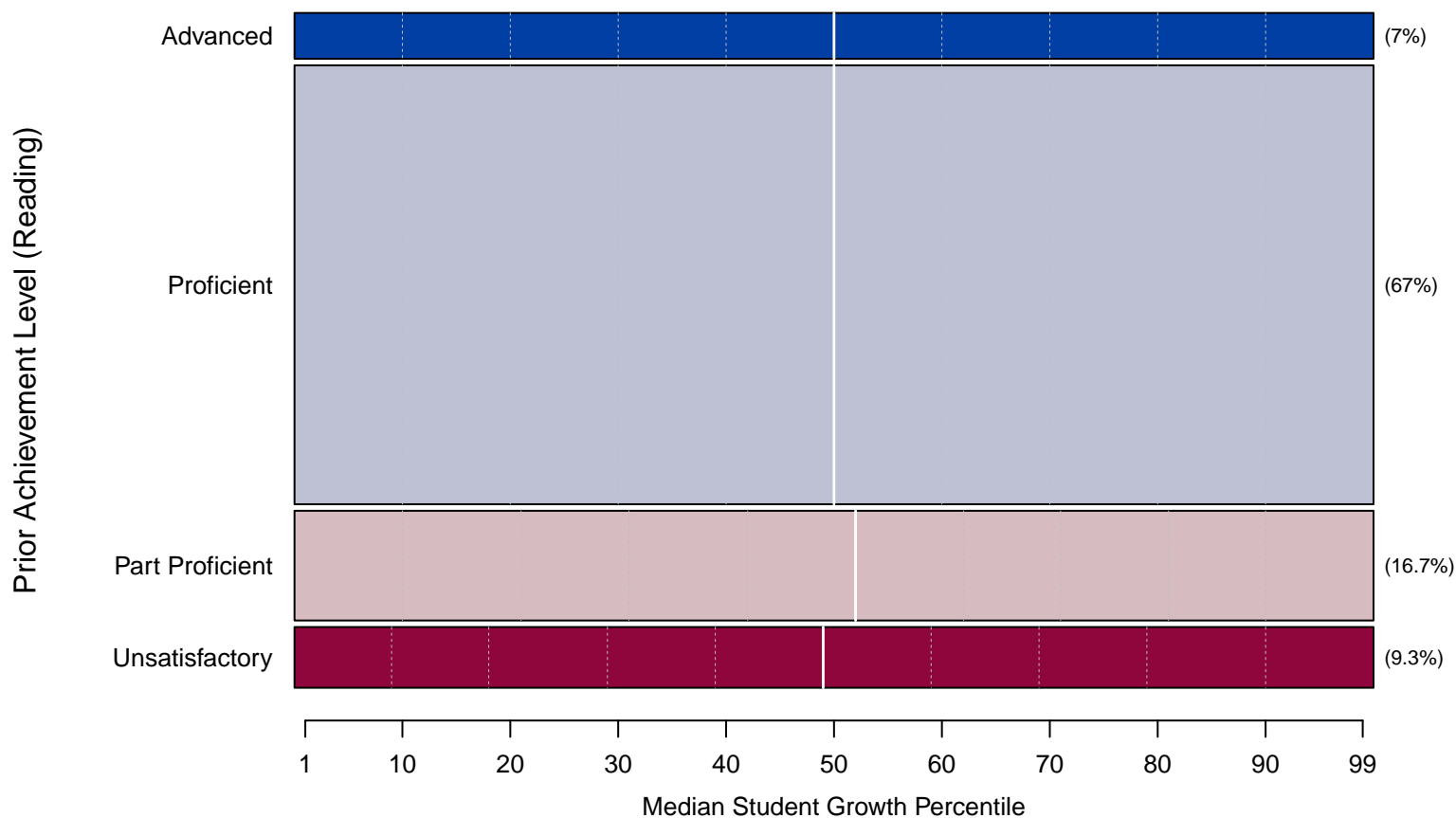
2014 Reading SGP, Grade 4 (N = 59,081)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

- Advanced — (7%)
- Proficient — (67%)
- Part Proficient — (16.7%)
- Unsatisfactory — (9.3%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

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/[150,470)	10.93	10.17	9.34	10.05	9.95	10.14	9.87	9.75	9.66	10.14	(9.9%)
2nd/[470,510)	9.78	8.43	9.80	10.09	10.21	9.88	10.11	10.49	10.33	10.88	(9.8%)
3rd/[510,534)	10.29	9.32	10.15	9.87	9.74	9.84	10.02	9.90	10.32	10.56	(10.1%)
4th/[534,552)	8.84	10.92	10.20	9.70	10.57	9.90	10.23	9.91	9.28	10.46	(9.6%)
5th/[552,569)	9.09	10.55	9.52	10.55	9.83	10.40	9.99	10.08	9.92	10.08	(10.6%)
6th/[569,584)	9.69	9.86	10.21	9.50	9.62	10.02	9.67	10.06	10.33	11.03	(9.7%)
7th/[584,600)	10.11	9.62	10.03	9.95	9.77	9.67	10.28	9.48	10.51	10.58	(10.2%)
8th/[600,618)	8.92	9.91	10.09	10.33	10.60	9.91	10.09	10.82	9.21	10.12	(9.9%)
9th/[618,644)	9.72	10.17	10.12	10.37	9.69	10.12	9.49	9.59	10.35	10.39	(10.2%)
10th/[644,795]	9.47	10.05	9.83	9.61	10.08	10.11	10.25	9.96	9.96	10.67	(10.1%)

*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