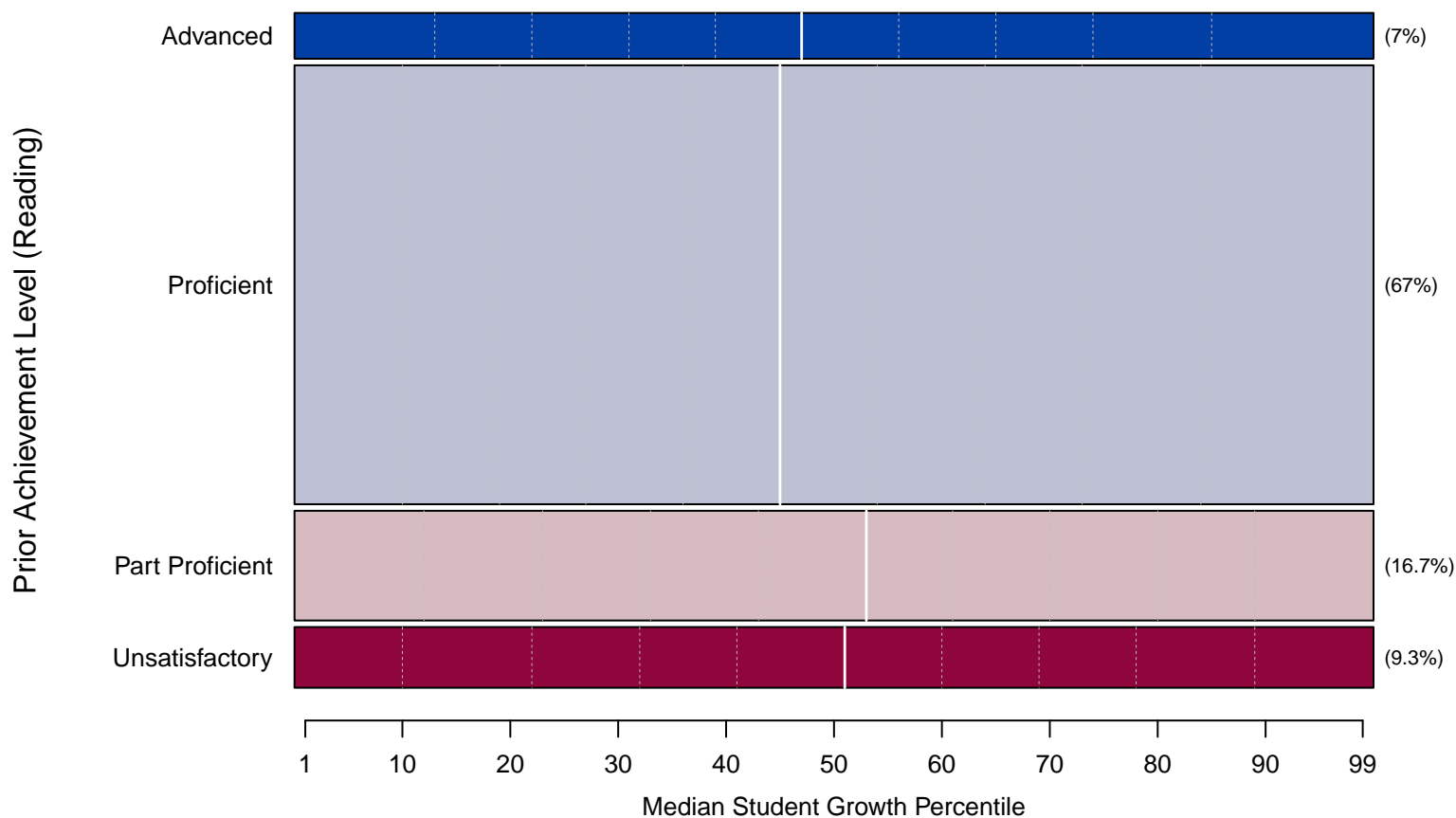# Student Growth Percentile Goodness–of–Fit Descriptives
2014 Reading SGP, Grade 4 (N = 59,081)

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)	9.25	8.41	9.54	10.89	9.66	11.76	11.22	10.38	9.39	9.49	(9.9%)
2nd/[470,510)	7.57	8.33	9.28	9.52	11.30	11.01	11.49	10.99	11.18	9.35	(9.8%)
3rd/[510,534)	9.40	9.82	10.35	10.35	10.19	10.86	10.30	10.37	10.57	7.78	(10.1%)
4th/[534,552)	9.21	10.81	11.97	10.49	11.25	10.46	9.91	9.81	8.84	7.24	(9.6%)
5th/[552,569)	9.97	10.72	11.81	11.40	10.48	10.53	10.32	9.91	8.86	5.99	(10.6%)
6th/[569,584)	10.59	11.05	11.38	10.49	10.68	10.78	10.84	9.92	7.95	6.32	(9.7%)
7th/[584,600)	10.85	10.95	11.60	10.76	11.53	10.70	9.98	10.26	7.69	5.69	(10.2%)
8th/[600,618)	9.33	10.99	12.17	11.88	11.40	11.40	11.42	9.13	7.24	5.02	(9.9%)
9th/[618,644)	9.40	11.45	12.27	11.77	10.72	10.97	10.77	9.70	8.19	4.75	(10.2%)
10th/[644,795]	7.59	10.37	10.89	11.48	12.15	12.23	10.99	10.05	8.53	5.72	(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