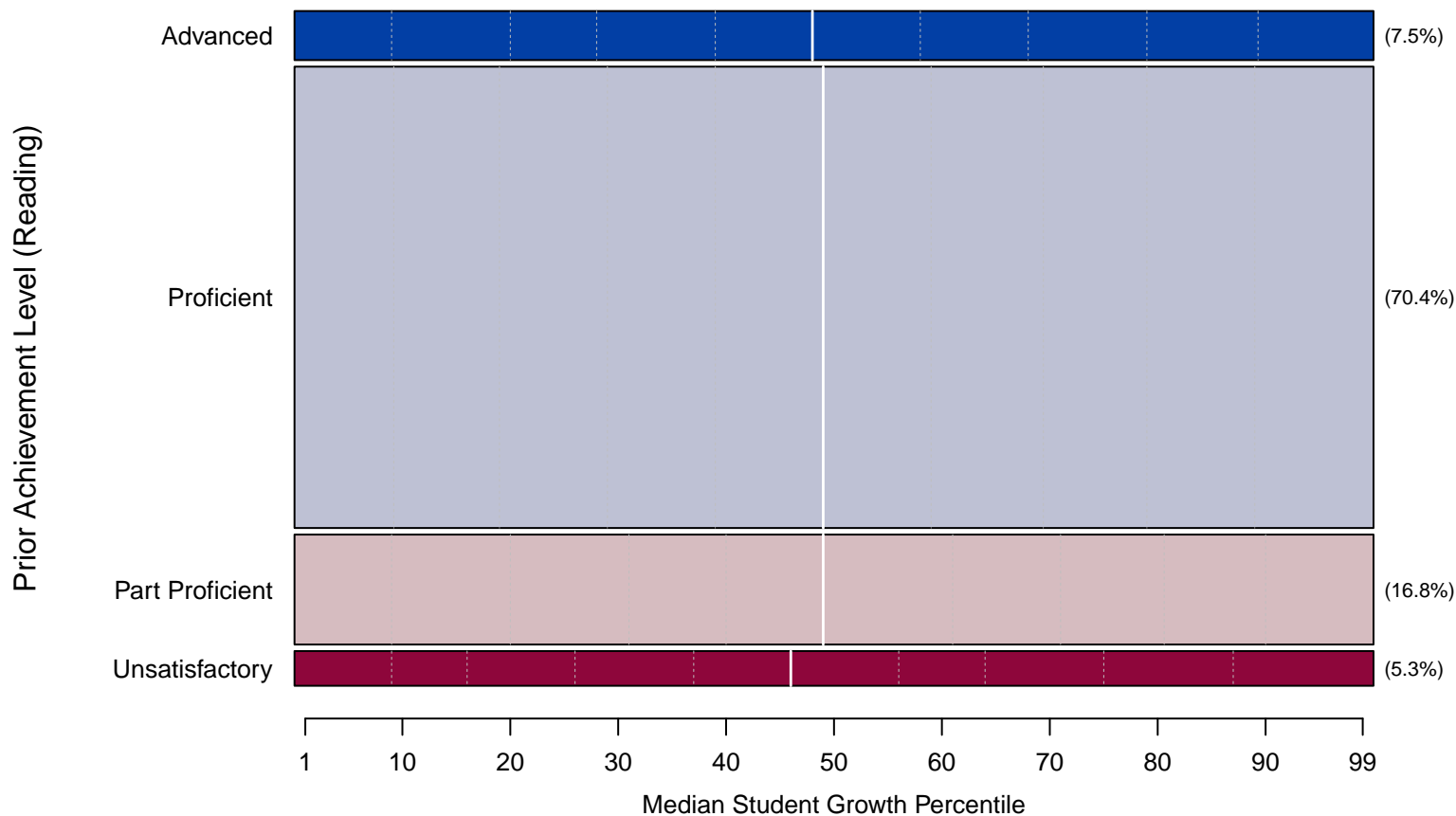# Student Growth Percentile Goodness–of–Fit Descriptives
2010–2011 Reading SGP, Grade 10 (N = 3,980)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

- Advanced (7.5%)
- Proficient (70.4%)
- Part Proficient (16.8%)
- Unsatisfactory (5.3%)

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/[350,613]	11.11	13.64	10.35	10.10	9.60	9.34	10.35	9.85	7.58	8.08	(9.9%)
2nd/[613,637]	10.26	7.63	7.37	10.53	10.26	8.16	9.47	10.53	12.11	13.68	(9.5%)
3rd/[637,653]	9.23	9.98	10.97	10.47	11.47	9.98	9.48	11.22	7.98	9.23	(10.1%)
4th/[653,667]	9.21	11.25	12.79	9.97	8.70	11.76	8.95	10.49	8.95	7.93	(9.8%)
5th/[667,678]	11.61	11.61	8.53	9.48	9.24	7.82	11.37	8.29	11.37	10.66	(10.6%)
6th/[678,691]	10.35	9.09	9.09	10.61	12.88	11.11	7.83	10.86	7.07	11.11	(9.9%)
7th/[691,702]	10.59	9.30	9.82	8.01	10.34	10.08	9.56	11.89	9.30	11.11	(9.7%)
8th/[702,715]	9.85	9.85	12.12	11.62	9.09	9.85	9.85	8.59	11.62	7.58	(9.9%)
9th/[715,732]	9.43	10.17	9.18	9.68	10.17	9.68	8.68	10.67	10.67	11.66	(10.1%)
10th/[732,830]	10.29	10.05	11.76	9.31	9.80	10.54	9.80	9.80	9.56	9.07	(10.3%)

*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