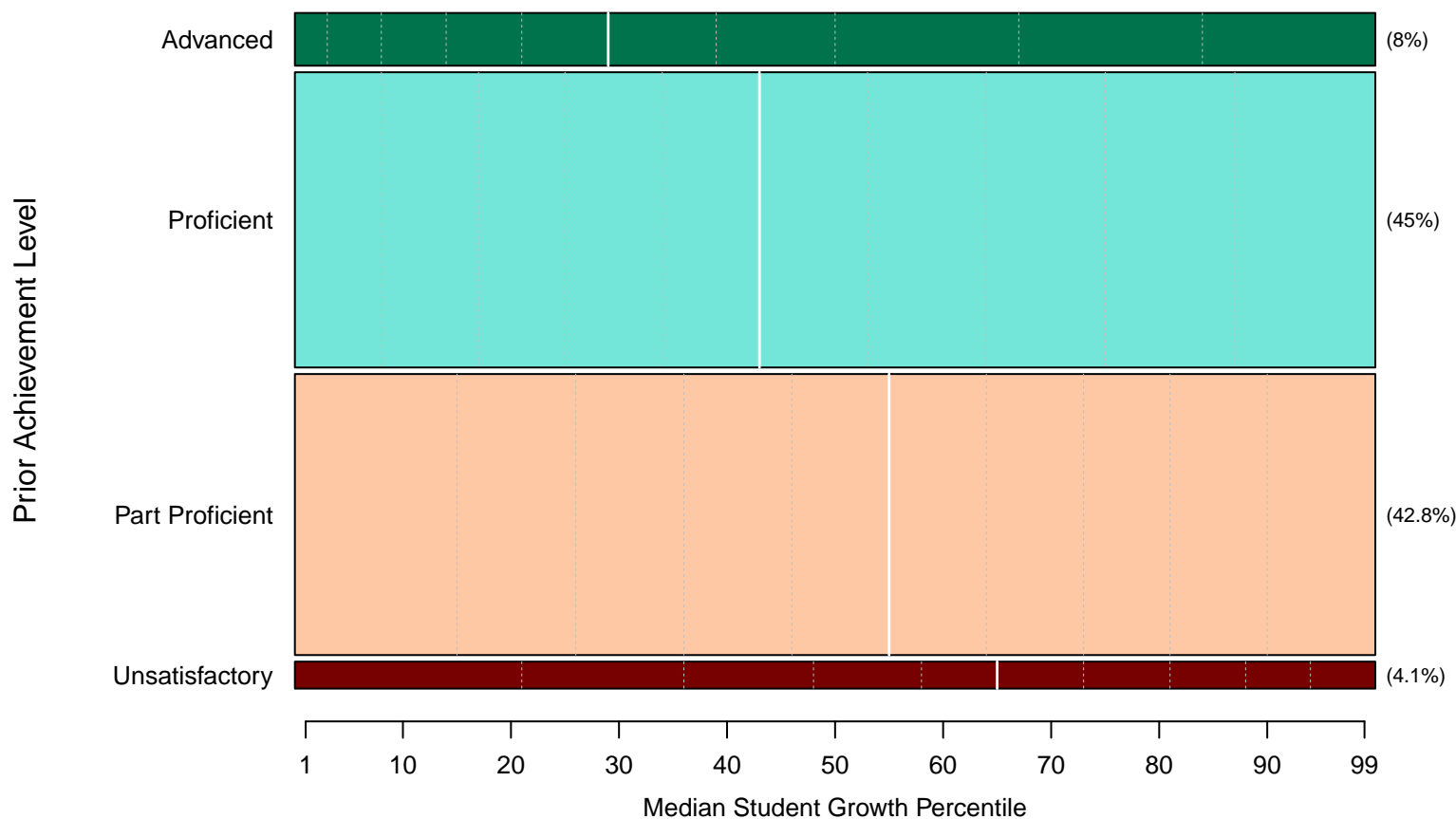# Student Growth Percentile Goodness–of–Fit Descriptives
2011 Writing SGP, Grade 10 (N = 52,212)

SGP Deciles by Prior Achievement Level

Prior Achievement Level:

- Advanced (8%)
- Proficient (45%)
- Part Proficient (42.8%)
- Unsatisfactory (4.1%)

Median Student Growth Percentile (x-axis: 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/[260,471)	3.77	5.58	7.34	8.45	9.43	10.85	11.63	13.11	13.66	16.18	(9.8%)
2nd/[471,506)	5.14	6.57	7.72	9.14	10.35	11.46	12.23	13.56	12.20	11.63	(9.8%)
3rd/[506,530)	6.24	8.18	9.53	10.18	10.53	11.69	11.46	12.34	10.32	9.53	(9.9%)
4th/[530,550)	6.90	8.26	9.79	10.33	10.22	12.17	11.75	11.25	9.87	9.46	(10.2%)
5th/[550,568)	7.67	9.90	10.40	11.20	10.63	11.22	9.92	10.74	8.57	9.76	(10%)
6th/[568,586)	8.58	10.96	11.70	11.05	10.32	10.00	10.15	9.19	9.10	8.94	(10%)
7th/[586,605)	9.36	11.43	11.09	10.70	11.26	9.62	10.21	8.78	8.94	8.61	(9.9%)
8th/[605,628)	12.67	12.64	12.05	10.41	10.15	9.40	8.89	8.74	7.51	7.53	(10.2%)
9th/[628,662)	14.76	13.52	12.23	11.20	9.30	9.62	8.81	6.85	6.58	7.13	(10.1%)
10th/[662,930]	21.09	15.34	12.82	10.67	8.53	7.00	5.95	5.74	6.35	6.49	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis: 0 to 100)

Empirical SGP Distribution (y-axis: 0 to 100)