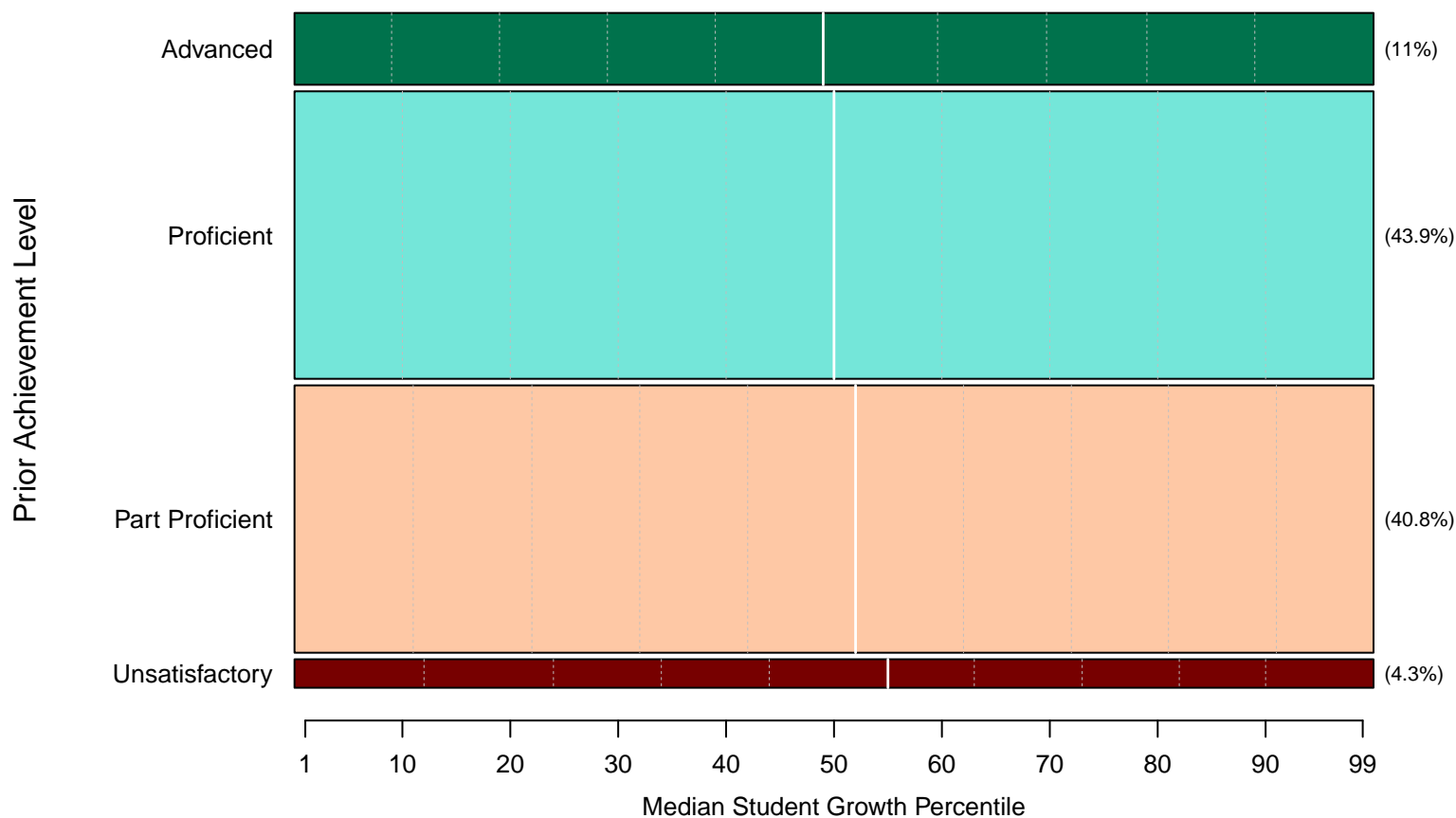# Student Growth Percentile Goodness–of–Fit Descriptives
2009 Writing SGP, Grade 9 (N = 51,752)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Advanced (11%)
- Proficient (43.9%)
- Part Proficient (40.8%)
- Unsatisfactory (4.3%)

Median Student Growth Percentile

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/[250,469]	7.86	8.74	9.09	9.85	9.34	10.24	11.09	11.38	11.05	11.36	(9.9%)
2nd/[469,503]	8.32	9.20	9.56	9.80	10.40	10.28	9.86	10.56	10.96	11.06	(9.9%)
3rd/[503,527]	8.57	9.67	10.00	9.18	9.98	10.89	10.26	10.06	10.63	10.77	(9.8%)
4th/[527,547]	8.12	9.47	10.53	9.93	10.16	9.80	9.62	10.35	10.46	11.56	(10.3%)
5th/[547,564]	9.52	10.04	8.78	10.48	9.56	9.20	10.02	10.40	10.98	11.04	(9.7%)
6th/[564,582]	8.72	9.94	9.85	9.75	9.26	9.70	10.25	10.35	10.96	11.23	(10.1%)
7th/[582,601]	9.74	9.84	10.24	10.59	9.76	9.72	10.26	9.55	9.74	10.55	(10.1%)
8th/[601,623]	9.38	10.61	9.44	10.20	9.95	10.28	10.08	9.73	9.61	10.72	(9.9%)
9th/[623,654]	10.15	10.86	10.03	9.70	9.61	9.82	9.57	9.90	10.19	10.17	(10%)
10th/[654,910]	10.07	10.14	9.88	10.14	10.05	9.73	9.80	10.56	9.58	10.05	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution