Student Growth Percentile Goodness−of−Fit Descriptives
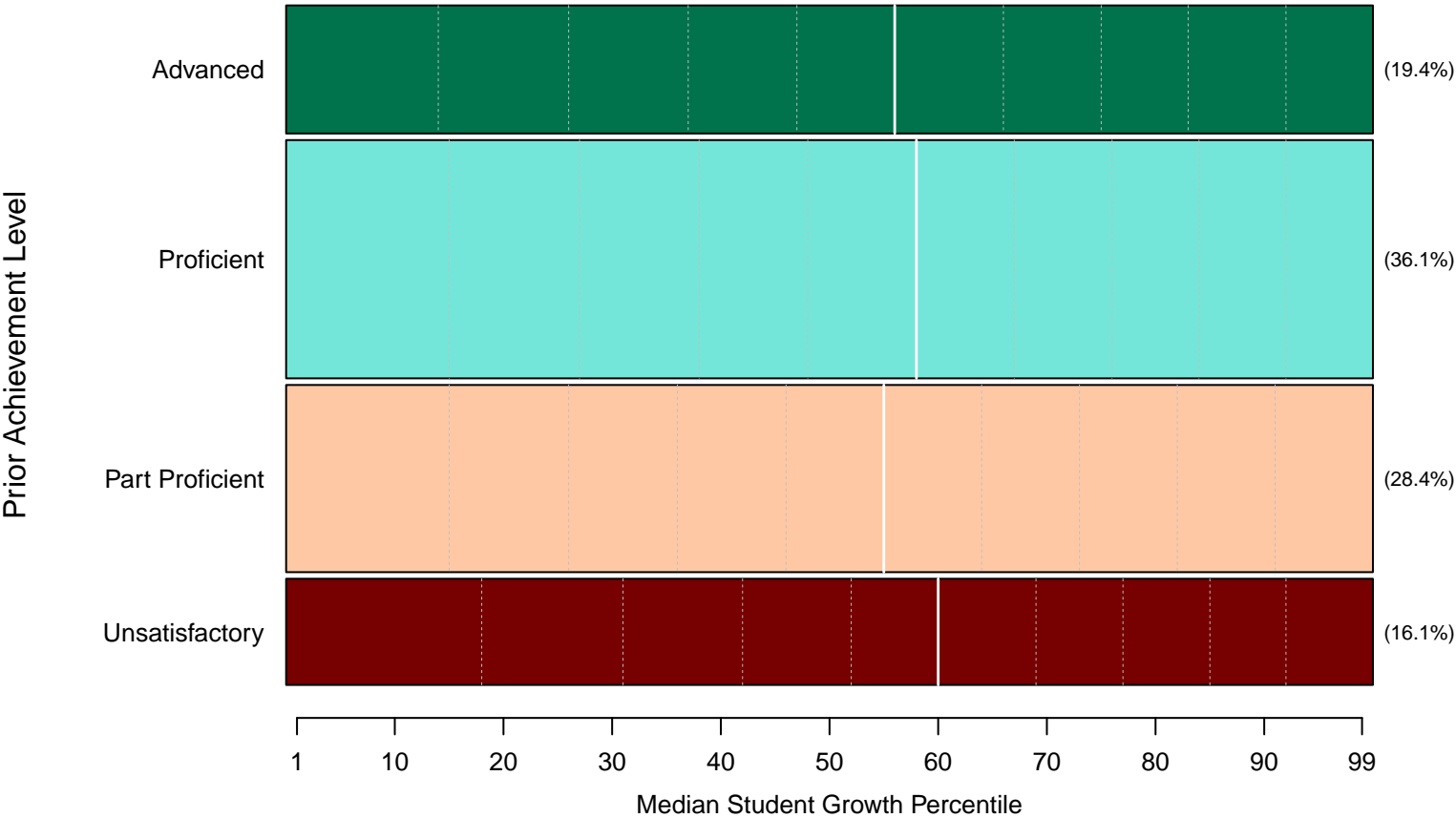
2005 Mathematics SGP, Grade 7 (N = 52,932)

SGP Deciles by Prior Achievement Level

Prior Achievement Level: Advanced (19.4%), Proficient (36.1%), Part Proficient (28.4%), Unsatisfactory (16.1%)

X-axis: 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/[240,428)	4.58	5.33	6.78	9.46	9.19	11.53	12.61	12.98	14.17	13.36	(9.8%)
2nd/[428,466)	5.59	7.56	7.92	9.50	10.59	11.62	11.23	11.87	12.62	11.51	(10%)
3rd/[466,491)	6.26	9.05	8.40	9.61	11.42	10.42	11.53	11.59	10.57	11.15	(9.8%)
4th/[491,511)	5.89	7.75	9.34	10.05	9.66	10.85	12.49	11.87	10.75	11.36	(10%)
5th/[511,529)	5.90	8.12	8.94	9.70	10.85	9.80	11.90	11.21	12.01	11.59	(9.9%)
6th/[529,547)	6.15	7.57	8.58	9.16	9.89	10.41	11.22	11.20	12.75	13.07	(10.1%)
7th/[547,565)	5.29	8.31	8.67	9.21	10.07	10.32	11.30	11.09	12.49	13.26	(9.8%)
8th/[565,587)	6.00	7.76	9.40	8.78	9.70	9.84	11.55	11.72	11.63	13.62	(10.3%)
9th/[587,616)	5.88	7.85	8.77	9.37	10.23	10.06	10.96	11.45	11.58	13.86	(10.1%)
10th/[616,830]	6.27	8.08	9.26	9.73	9.75	11.24	11.09	11.39	11.48	11.71	(10.1%)

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

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution (0 to 100) vs Empirical SGP Distribution (0 to 100)