Student Growth Percentile Goodness–of–Fit Descriptives
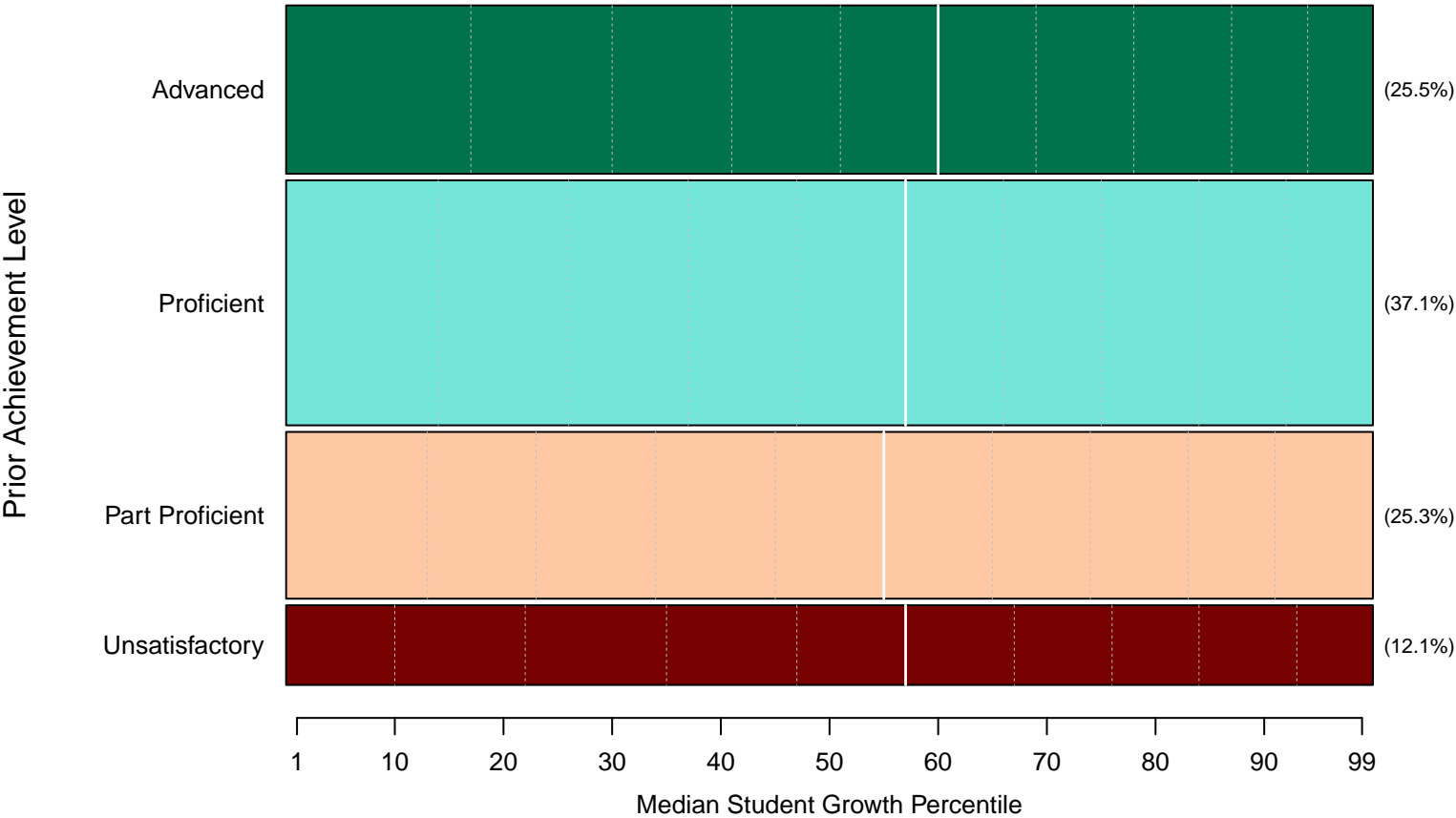
2011 Mathematics SGP, Grade 7 (N = 55,782)

SGP Deciles by Prior Achievement Level

Mosaic plot of Median Student Growth Percentile (x-axis: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99) by Prior Achievement Level:
- Advanced (25.5%)
- Proficient (37.1%)
- Part Proficient (25.3%)
- Unsatisfactory (12.1%)

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/[240,444)	9.53	7.98	7.05	8.56	9.09	9.58	10.66	11.50	11.83	14.24	(9.8%)
2nd/[444,481)	8.24	9.00	9.10	9.35	9.70	9.67	10.00	11.85	11.20	11.89	(10.2%)
3rd/[481,505)	7.45	8.88	9.01	9.31	10.07	9.87	10.47	11.05	11.45	12.43	(9.9%)
4th/[505,525)	7.05	8.88	9.47	9.15	9.61	9.86	11.37	11.00	10.89	12.72	(10.1%)
5th/[525,542)	6.69	9.39	8.84	9.59	9.52	10.33	10.82	10.25	11.97	12.61	(9.5%)
6th/[542,561)	6.36	7.33	9.61	8.97	9.53	10.26	11.45	11.50	11.54	13.44	(10.5%)
7th/[561,579)	5.35	7.67	9.38	9.08	10.64	10.07	10.92	11.97	11.40	13.53	(9.8%)
8th/[579,601)	5.50	8.00	8.36	8.80	10.30	10.12	11.35	12.15	11.39	14.03	(10.2%)
9th/[601,629)	4.45	7.78	7.46	9.52	10.04	10.77	11.32	11.34	12.45	14.87	(10%)
10th/[629,830]	3.92	6.70	7.86	8.82	9.46	9.71	10.84	11.14	13.24	18.30	(10.1%)

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

QQ–Plot: Student Growth Percentiles

QQ-Plot with Theoretical SGP Distribution (x-axis: 0–100) versus Empirical SGP Distribution (y-axis: 0–100).