Student Growth Percentile Goodness–of–Fit Descriptives
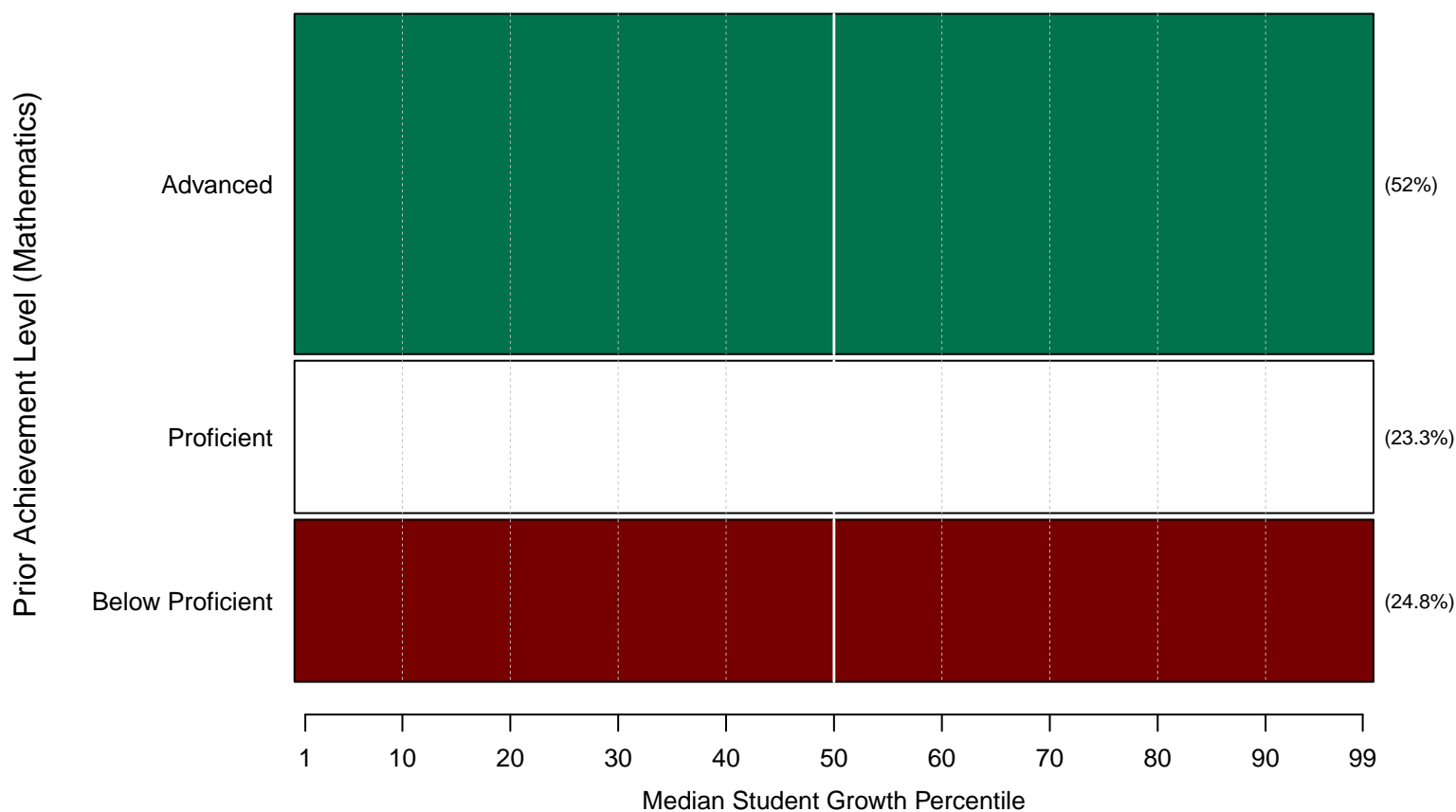
2011 Mathematics SGP, Grade 5 (N = 42,567)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (52%)
- Proficient (23.3%)
- Below Proficient (24.8%)

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/[130,153)	9.87	10.16	10.04	10.18	10.18	10.16	9.82	9.56	9.56	10.47	(9.8%)
2nd/[153,158)	9.04	9.71	9.74	9.84	10.05	9.87	9.94	10.05	10.67	11.11	(9.1%)
3rd/[158,161)	10.49	9.64	10.08	9.76	10.20	9.14	9.82	11.02	9.84	10.02	(8%)
4th/[161,164)	9.72	9.84	10.36	10.75	9.52	10.43	9.49	9.82	9.64	10.43	(9.5%)
5th/[164,167)	9.11	10.28	9.51	9.76	9.94	9.84	10.75	10.20	10.28	10.34	(11.6%)
6th/[167,170)	9.62	9.66	10.63	10.06	10.48	10.08	9.59	9.55	9.66	10.67	(10.7%)
7th/[170,172)	9.69	10.24	9.50	10.61	9.32	10.58	9.90	11.10	9.50	9.56	(7.6%)
8th/[172,176)	9.32	10.23	9.47	9.73	9.95	9.84	10.16	10.25	10.03	11.01	(12.6%)
9th/[176,180)	10.27	9.93	9.90	10.21	10.72	9.50	9.98	8.96	11.09	9.44	(8.3%)
10th/[180,199]	9.53	10.34	9.92	10.06	9.49	10.03	10.29	10.36	9.70	10.29	(12.8%)

*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