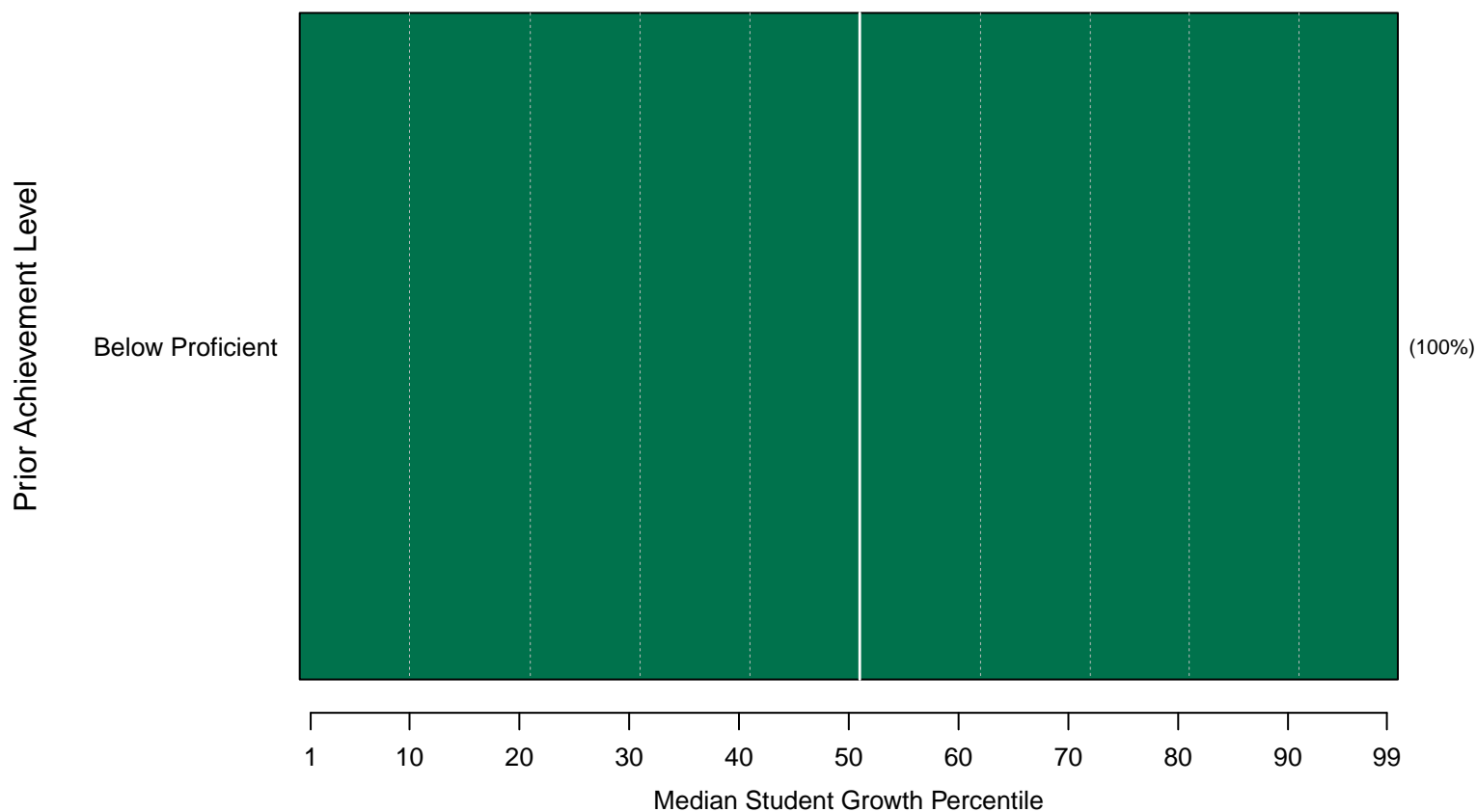# Student Growth Percentile Goodness–of–Fit Descriptives

2011–2012 Mathematics SGP, Grade 6 (N = 13,749)

SGP Deciles by Prior Achievement Level

Prior Achievement Level — Below Proficient (100%)

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/[500,532)	10.67	8.68	9.87	11.62	10.83	9.00	9.71	9.79	8.60	11.23	(9.1%)
2nd/[532,538)	9.62	11.66	9.77	10.06	10.13	9.69	10.06	9.69	8.38	10.93	(10%)
3rd/[538,541)	11.29	7.85	10.53	10.91	10.24	9.00	6.89	9.76	9.47	14.07	(7.6%)
4th/[541,545)	11.70	9.07	9.89	9.45	8.46	9.01	9.67	10.05	10.33	12.36	(13.2%)
5th/[545,547)	10.28	10.38	8.52	9.79	7.74	9.30	10.09	10.97	11.07	11.85	(7.4%)
6th/[547,549)	8.70	9.07	8.98	9.07	10.48	9.64	10.66	11.13	11.13	11.13	(7.8%)
7th/[549,552)	8.77	9.44	9.10	9.58	11.19	12.34	9.51	10.45	9.58	10.05	(10.8%)
8th/[552,556)	8.66	7.84	11.11	10.40	9.59	9.31	10.84	10.19	10.19	11.87	(13.4%)
9th/[556,560)	8.00	9.38	9.15	9.23	9.08	9.38	8.85	10.69	13.38	12.85	(9.5%)
10th/[560,580]	8.27	8.27	9.89	10.41	9.70	10.21	10.92	9.76	12.22	10.34	(11.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution