Student Growth Percentile Goodness–of–Fit Descriptives
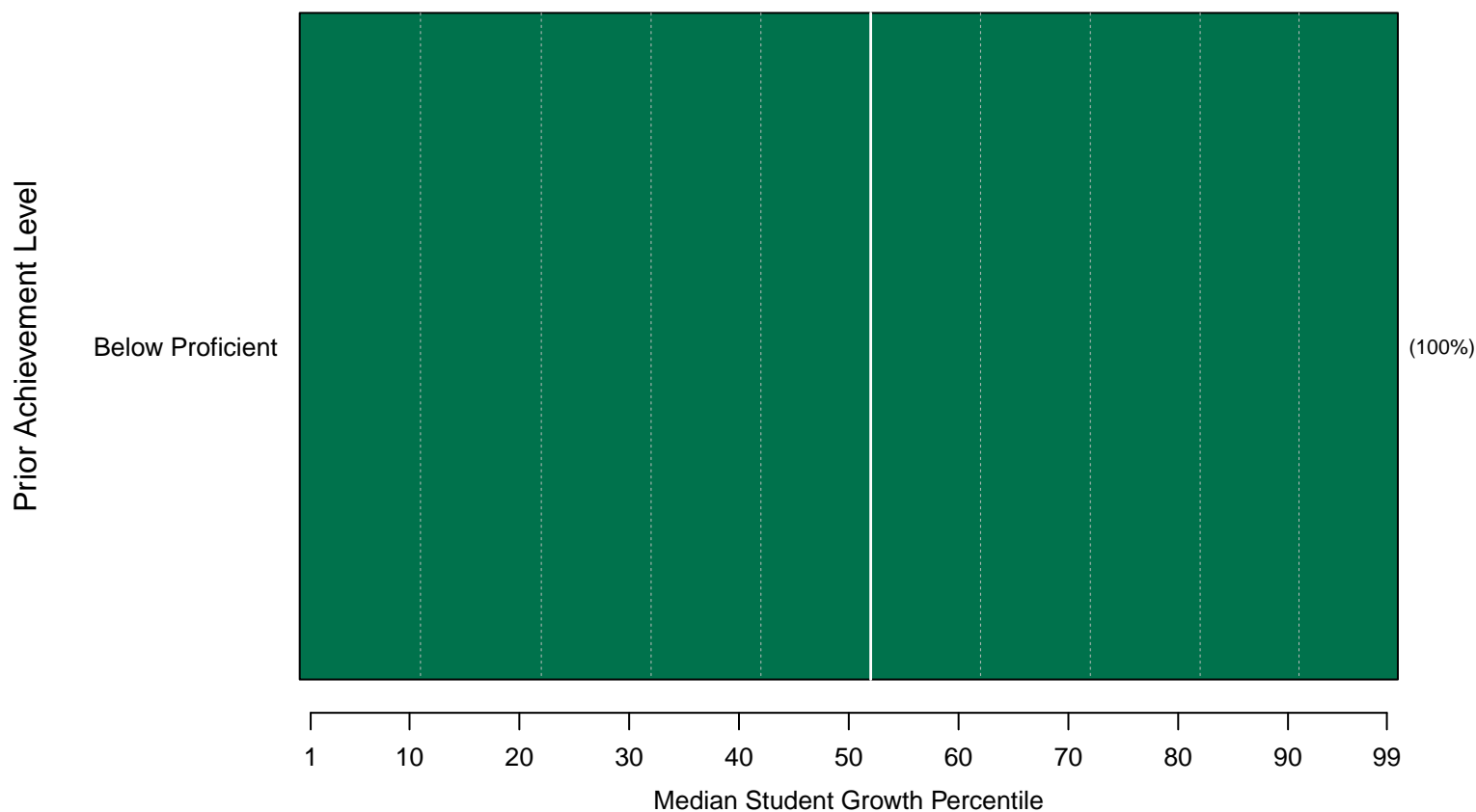
2011–2012 Mathematics SGP, Grade 8 (N = 14,337)

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/[700,731)	8.70	9.14	10.10	11.65	9.96	10.10	10.32	10.40	9.59	10.03	(9.5%)
2nd/[731,736)	9.75	11.41	9.90	8.99	10.28	8.54	9.22	10.20	11.26	10.43	(9.2%)
3rd/[736,739)	9.90	10.13	9.98	8.60	9.75	9.90	8.67	9.52	10.97	12.59	(9.1%)
4th/[739,742)	7.59	8.61	9.77	10.28	8.02	10.14	10.94	9.63	11.67	13.35	(9.6%)
5th/[742,745)	8.73	8.62	8.56	8.73	10.15	10.43	9.92	10.60	11.85	12.41	(12.3%)
6th/[745,747)	9.03	10.14	8.11	9.94	9.74	8.72	8.82	9.43	12.98	13.08	(6.9%)
7th/[747,750)	8.11	7.20	9.58	9.52	10.56	10.19	10.43	11.71	11.35	11.35	(11.4%)
8th/[750,753)	7.64	8.13	9.36	10.02	10.10	11.41	11.49	10.76	10.51	10.59	(8.5%)
9th/[753,758)	8.86	8.97	9.44	10.08	9.87	10.82	10.66	10.19	10.93	10.19	(13.1%)
10th/[758,780]	8.58	10.59	10.66	10.12	9.58	10.59	10.12	8.51	10.66	10.59	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution