Student Growth Percentile Goodness–of–Fit Descriptives
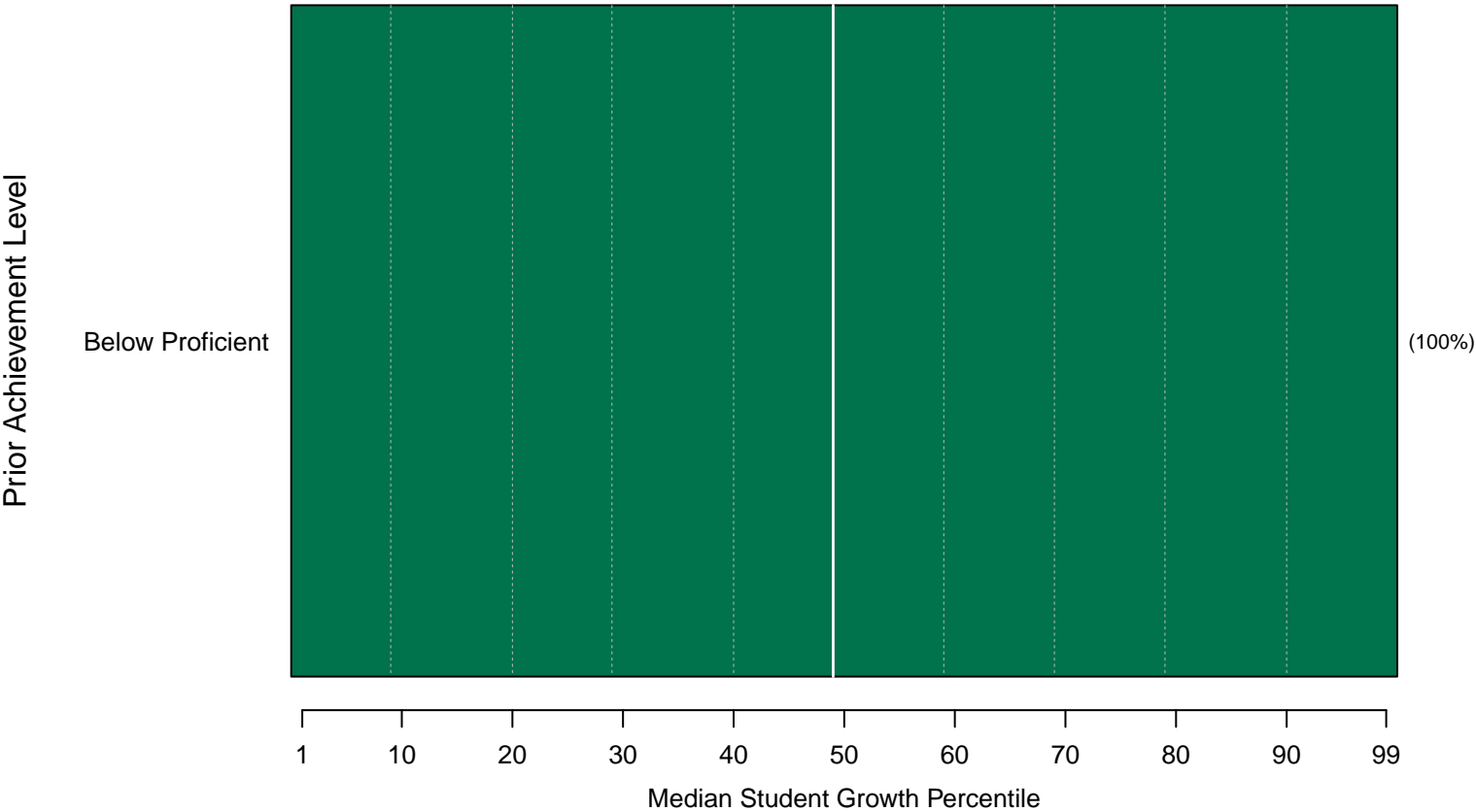
2007–2008 Mathematics SGP, Grade 4 (N = 14,123)

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/[300,332)	9.39	10.64	10.72	10.27	9.90	8.35	11.09	9.24	9.98	10.42	(9.6%)
2nd/[332,337)	10.64	9.20	9.13	7.62	10.93	12.01	8.77	10.93	10.35	10.42	(9.8%)
3rd/[337,341)	9.26	9.67	8.99	12.67	8.38	14.03	6.54	11.99	7.77	10.69	(10.4%)
4th/[341,343)	8.86	11.05	11.42	9.32	13.42	4.38	14.06	4.66	13.42	9.41	(7.8%)
5th/[343,346)	9.82	10.13	12.01	8.00	7.46	12.92	8.07	10.19	11.22	10.19	(11.7%)
6th/[346,348)	13.69	7.16	9.87	9.94	10.22	8.48	12.23	9.94	9.10	9.38	(10.2%)
7th/[348,351)	8.43	11.89	9.33	8.57	17.28	5.87	11.20	8.98	8.36	10.09	(10.2%)
8th/[351,353)	11.56	5.38	9.48	13.14	7.04	12.71	10.05	9.83	10.12	10.70	(9.9%)
9th/[353,357)	9.59	11.91	13.23	6.87	9.93	8.44	9.18	13.81	7.20	9.84	(8.6%)
10th/[357,380]	9.47	9.83	9.59	10.72	10.84	10.18	8.99	9.89	10.66	9.83	(11.9%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution