Student Growth Percentile Goodness–of–Fit Descriptives
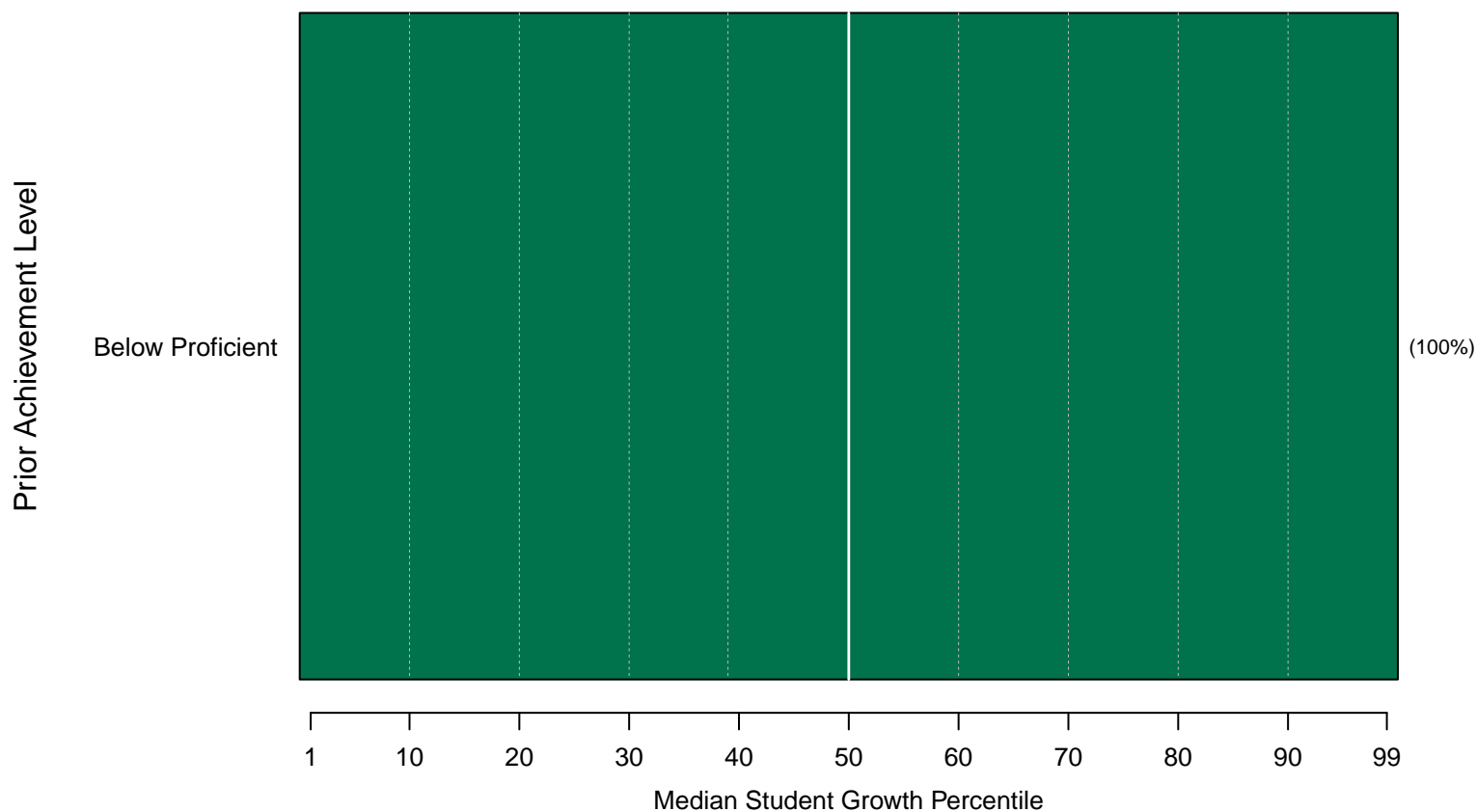
2008–2009 Mathematics SGP, Grade 4 (N = 13,744)

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)	9.81	6.38	10.66	10.12	9.81	10.89	11.05	9.18	11.75	10.35	(9.3%)
2nd/[332,337)	8.12	12.37	9.74	7.19	9.82	8.28	11.91	10.67	11.83	10.05	(9.4%)
3rd/[337,341)	10.67	6.46	12.99	7.18	11.83	7.69	13.13	8.93	11.61	9.51	(10%)
4th/[341,344)	7.50	9.02	11.72	9.75	12.74	9.97	7.28	11.43	11.28	9.32	(10%)
5th/[344,346)	8.37	10.18	9.39	11.76	6.00	17.60	5.52	10.89	10.50	9.79	(9.2%)
6th/[346,349)	9.40	7.83	10.76	13.08	8.45	13.42	8.79	7.08	8.99	12.19	(10.7%)
7th/[349,351)	9.94	10.24	14.27	12.99	6.89	11.42	6.30	5.91	12.40	9.65	(7.4%)
8th/[351,354)	8.35	12.72	9.79	13.07	7.43	7.02	7.83	12.44	7.54	13.82	(12.6%)
9th/[354,359)	10.91	8.50	10.15	11.18	11.66	8.71	10.70	8.92	9.81	9.47	(10.6%)
10th/[359,380]	13.01	8.99	9.60	10.49	7.97	8.92	11.38	9.47	10.15	10.01	(10.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution