Student Growth Percentile Goodness–of–Fit Descriptives
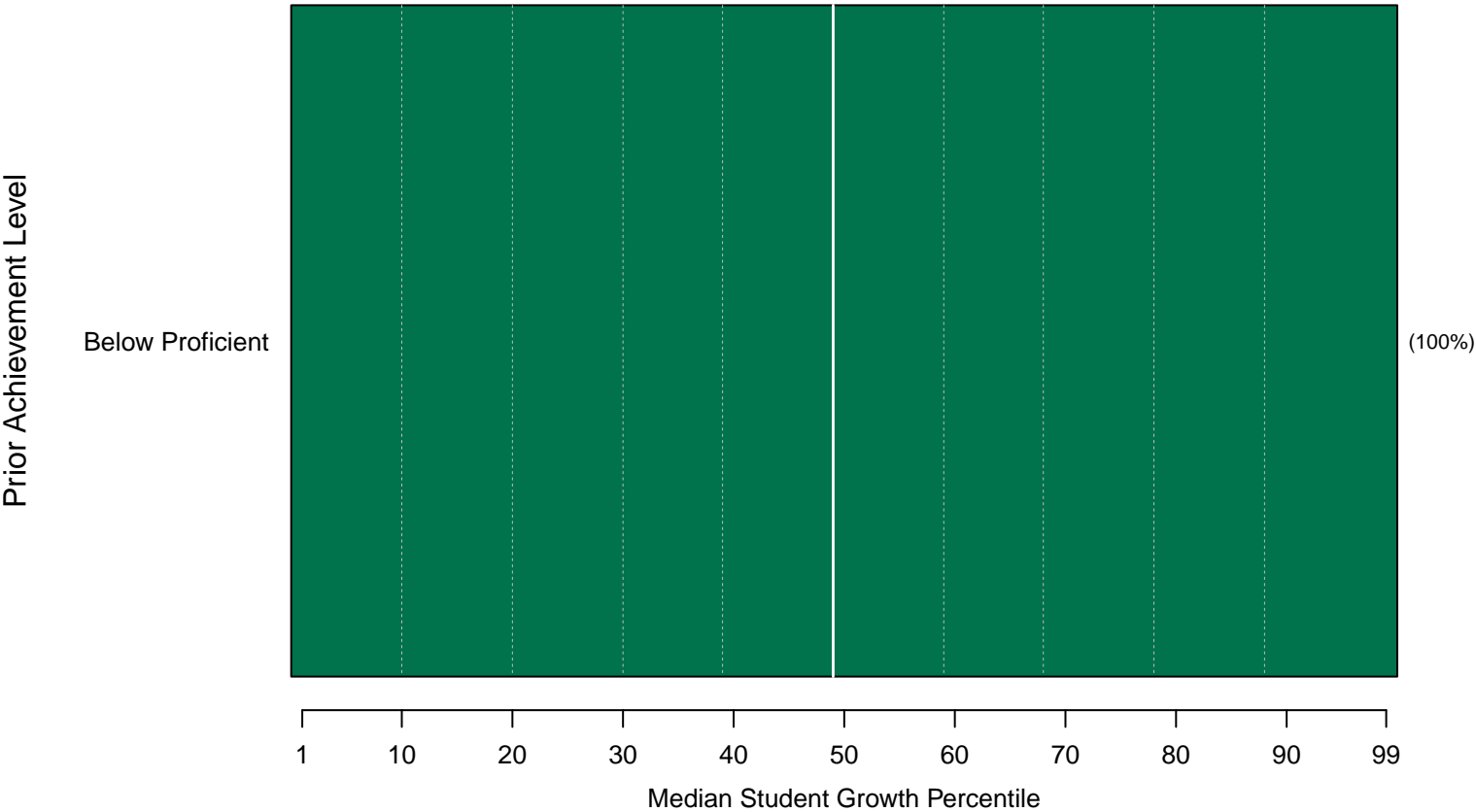## 2008–2009 Mathematics SGP, Grade 6 (N = 14,337)

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/[500,531)	9.16	8.17	8.81	10.29	9.23	9.23	10.64	11.21	12.05	11.21	(9.9%)
2nd/[531,536)	8.70	10.19	10.27	9.07	8.77	11.39	10.64	10.87	11.54	8.55	(9.3%)
3rd/[536,539)	8.32	10.21	8.00	12.84	8.63	10.74	11.89	10.63	10.42	8.32	(6.6%)
4th/[539,543)	8.34	9.60	10.64	10.15	11.41	11.96	10.20	10.48	8.78	8.45	(12.7%)
5th/[543,546)	8.51	10.23	10.63	10.83	11.68	10.36	11.16	9.50	9.31	7.79	(10.6%)
6th/[546,549)	8.93	10.92	11.50	9.89	10.40	9.31	11.69	9.89	9.06	8.41	(10.9%)
7th/[549,551)	9.53	9.62	11.01	10.75	12.56	10.31	10.49	9.36	8.06	8.32	(8%)
8th/[551,553)	10.65	12.82	13.00	12.27	9.39	9.48	8.12	8.39	6.77	9.12	(7.7%)
9th/[553,558)	10.41	10.73	9.82	10.63	9.98	8.74	9.65	10.68	10.14	9.22	(12.9%)
10th/[558,580]	9.43	10.66	9.86	8.56	10.60	10.60	11.03	9.49	10.66	9.12	(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