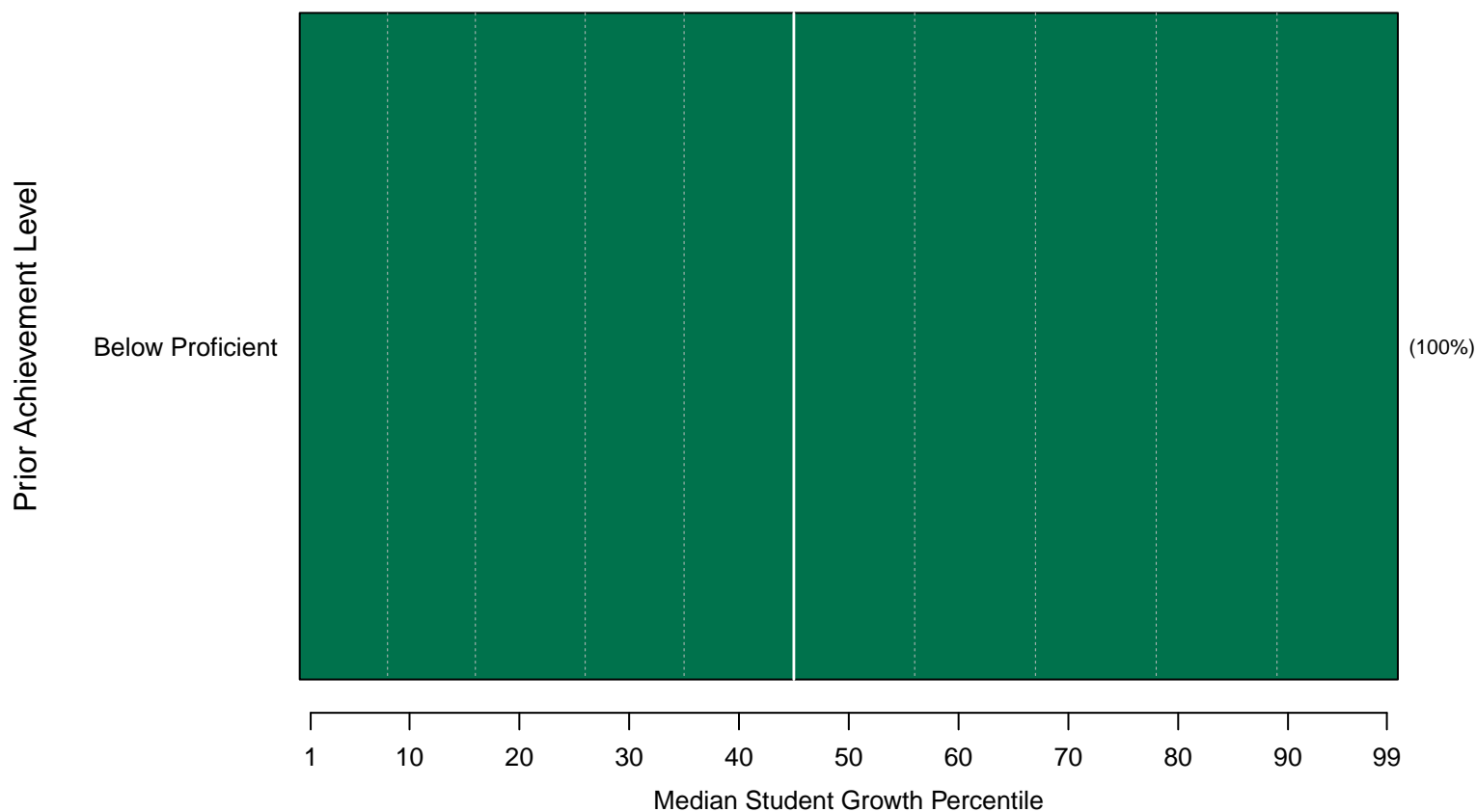# Student Growth Percentile Goodness–of–Fit Descriptives
2011–2012 Reading SGP, Grade 5 (N = 13,441)

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/[400,434)	11.94	11.85	10.41	10.50	9.74	9.31	9.40	8.30	10.25	8.30	(8.8%)
2nd/[434,439)	14.18	11.25	10.22	11.25	10.57	9.36	9.45	8.76	6.79	8.16	(8.7%)
3rd/[439,443)	10.34	10.95	10.71	11.25	8.94	10.95	8.64	9.25	9.31	9.67	(12.2%)
4th/[443,446)	11.80	11.52	10.29	10.48	8.59	9.54	8.31	8.59	9.44	11.43	(7.9%)
5th/[446,448)	12.82	9.94	9.86	10.26	10.34	9.13	9.62	8.65	8.57	10.82	(9.3%)
6th/[448,452)	12.51	11.50	10.78	10.35	10.14	7.55	7.76	10.42	8.48	10.50	(10.3%)
7th/[452,455)	12.01	11.76	12.32	10.10	9.42	8.87	7.20	9.36	9.98	8.99	(12.1%)
8th/[455,458)	12.44	11.92	11.03	9.10	8.08	8.72	9.10	9.23	10.26	10.13	(5.8%)
9th/[458,463)	12.83	11.97	10.79	8.95	10.59	8.82	7.76	10.79	7.89	9.61	(11.3%)
10th/[463,480]	12.84	10.05	10.11	9.40	9.18	10.66	9.45	9.73	9.40	9.18	(13.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution