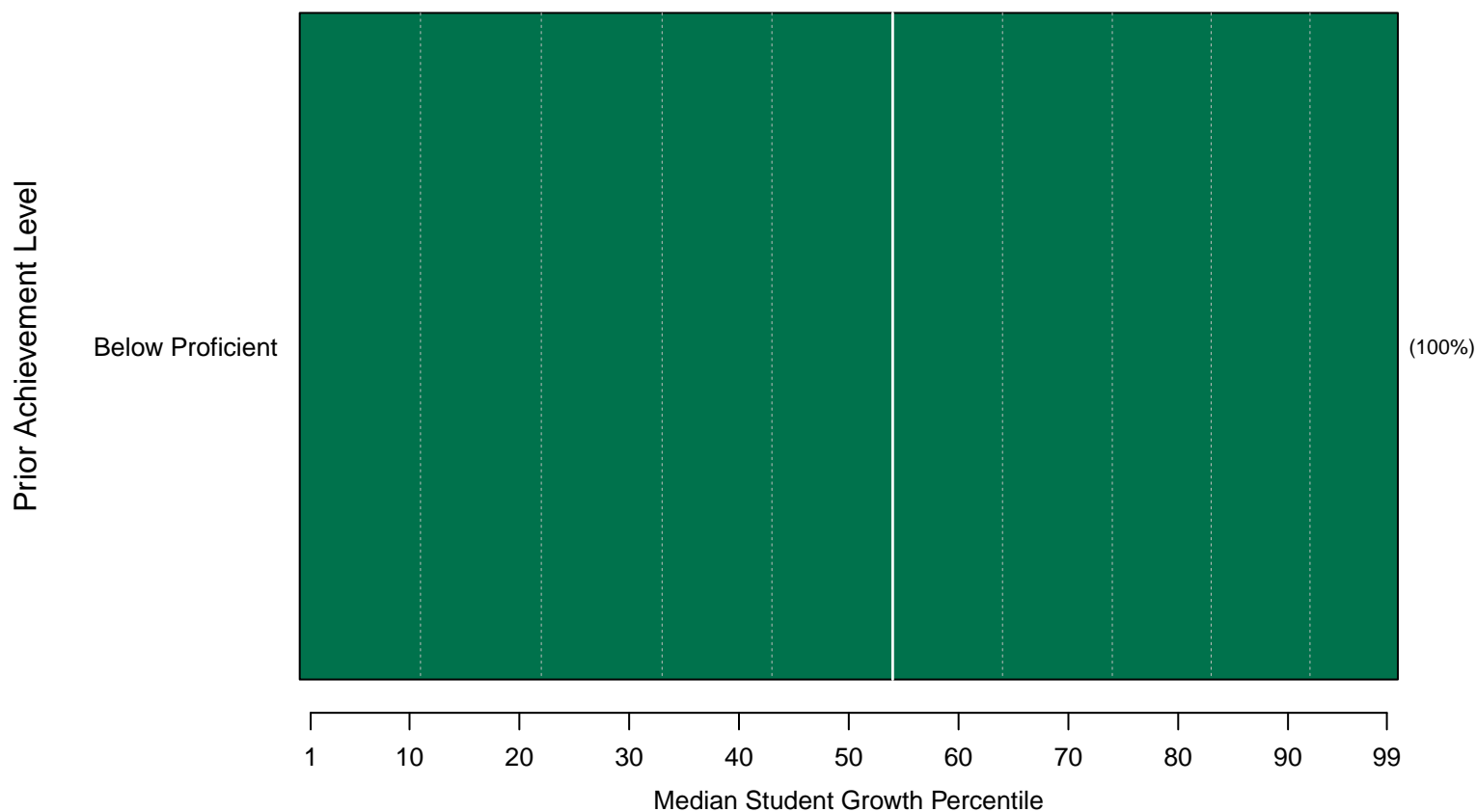# Student Growth Percentile Goodness–of–Fit Descriptives
2011–2012 Reading SGP, Grade 6 (N = 13,729)

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/[500,534)	10.82	10.15	10.40	9.82	9.40	8.99	9.48	9.15	11.56	10.23	(8.8%)
2nd/[534,539)	9.02	9.62	8.95	8.95	7.54	9.47	10.65	11.61	11.02	13.17	(9.8%)
3rd/[539,543)	8.65	9.05	9.60	10.39	9.28	11.01	9.52	10.15	9.21	13.14	(9.3%)
4th/[543,545)	8.30	9.25	10.63	8.99	10.37	10.03	9.68	10.89	9.59	12.27	(8.4%)
5th/[545,548)	9.70	9.78	9.02	8.42	9.02	9.02	8.57	10.69	11.98	13.80	(9.6%)
6th/[548,550)	10.42	9.95	10.09	8.97	8.77	10.09	8.83	10.09	9.76	13.05	(11%)
7th/[550,553)	8.94	8.24	8.43	9.26	9.89	9.38	9.13	10.97	11.10	14.65	(11.5%)
8th/[553,557)	8.54	9.88	9.46	8.26	10.30	8.82	10.37	10.37	11.79	12.21	(10.3%)
9th/[557,560)	7.37	8.17	10.04	8.17	9.95	10.57	10.92	11.01	11.10	12.70	(8.2%)
10th/[560,580]	6.25	8.43	7.54	9.60	9.16	9.72	9.49	12.67	12.67	14.46	(13%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution