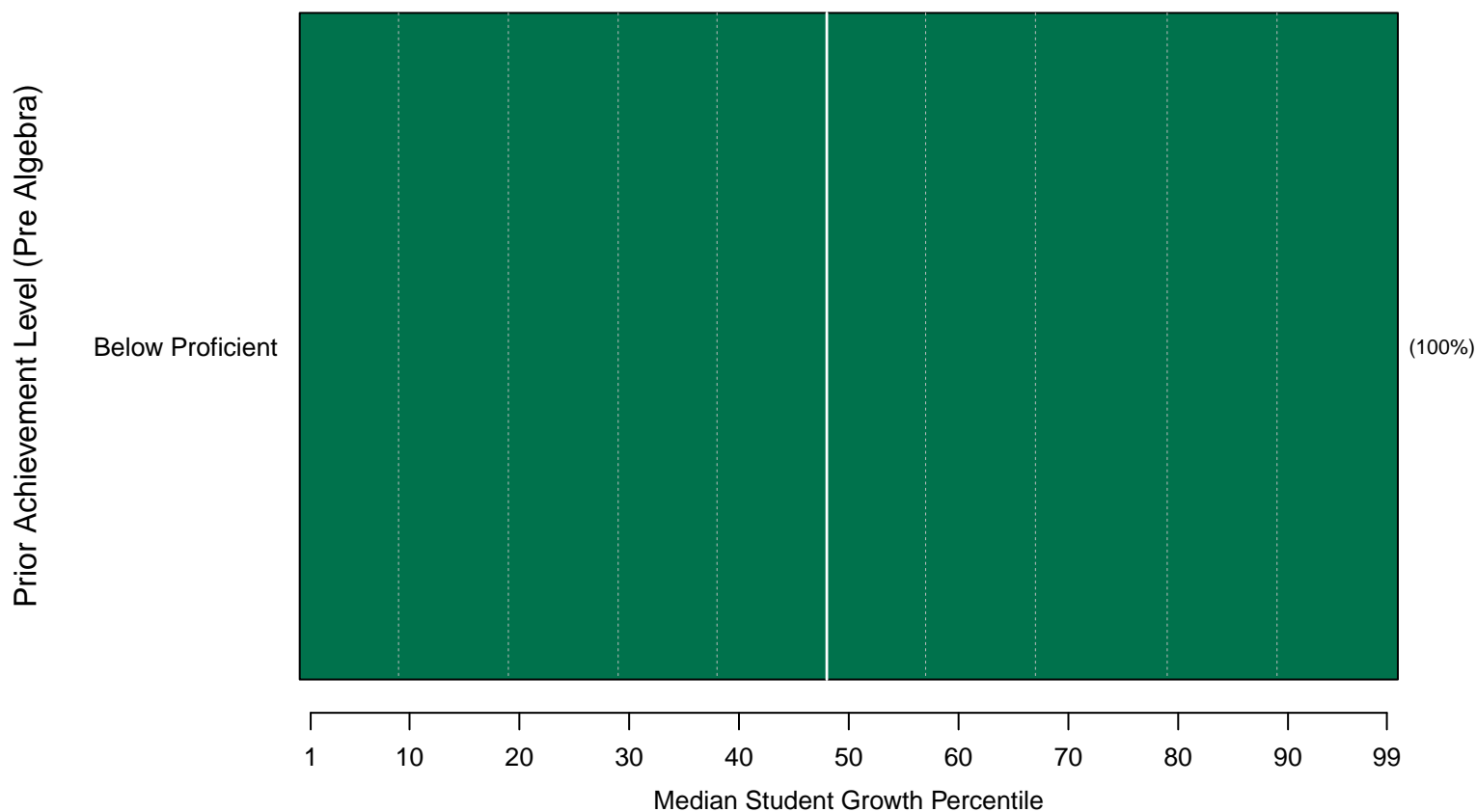# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Pre Algebra SGP, Grade EOCT (N = 7,657)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Pre Algebra)

Below Proficient — (100%)

Median Student Growth Percentile

(x-axis: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99)

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/[130,154)	10.13	9.42	9.85	9.99	10.41	9.56	10.27	10.97	9.85	9.56	(9.3%)
2nd/[154,159)	9.05	11.00	9.61	10.72	10.58	9.19	10.03	6.96	11.70	11.14	(9.4%)
3rd/[159,162)	11.02	9.19	11.42	9.58	10.63	7.74	9.71	12.60	6.96	11.15	(10%)
4th/[162,164)	7.25	11.59	12.17	6.96	10.29	11.16	10.58	8.55	12.75	8.70	(9%)
5th/[164,167)	10.37	9.17	9.39	10.81	12.34	9.17	8.08	10.15	11.03	9.50	(12%)
6th/[167,169)	11.39	12.60	6.84	10.99	11.93	6.30	11.93	10.86	9.65	7.51	(9.7%)
7th/[169,171)	6.70	11.32	9.01	19.17	0.69	13.16	9.70	10.62	10.85	8.78	(5.7%)
8th/[171,174)	10.55	8.75	13.43	5.04	12.71	14.39	6.71	6.47	10.55	11.39	(10.9%)
9th/[174,180)	10.55	12.08	5.39	11.84	13.83	8.21	8.91	14.42	5.74	9.03	(11.1%)
10th/[180,199)	12.17	8.95	11.67	15.79	0.00	20.72	6.34	7.44	14.49	2.41	(13%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution