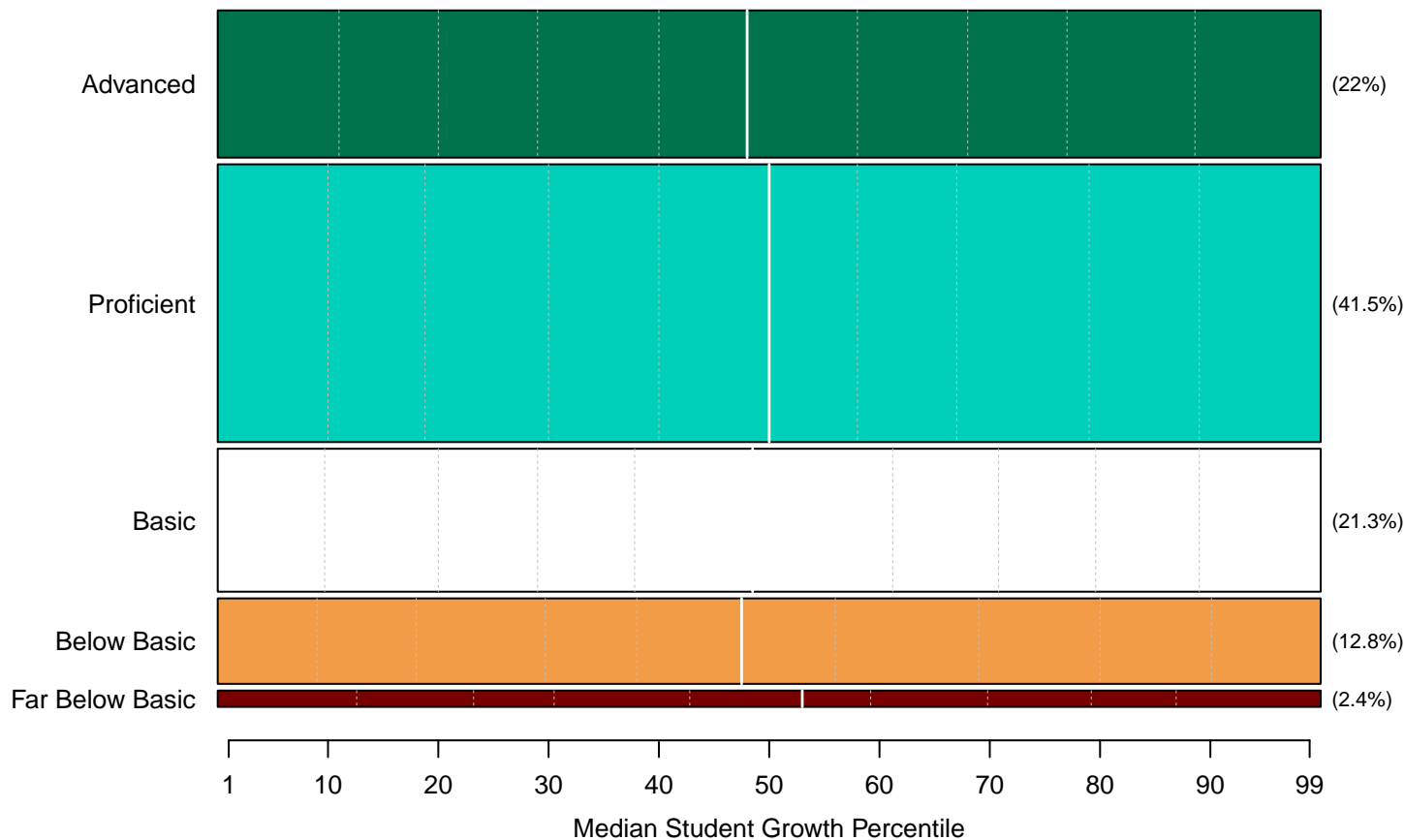# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Summative HS Mathematics SGP, Grade EOCT (N = 1,724)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Summative HS Mathematics)

Level	Percent
Advanced	(22%)
Proficient	(41.5%)
Basic	(21.3%)
Below Basic	(12.8%)
Far Below Basic	(2.4%)

Median Student Growth Percentile — 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/[189,281)	10.78	8.38	11.98	8.98	8.98	11.38	10.18	8.98	11.38	8.98	(9.7%)
2nd/[281,314)	10.67	10.11	8.43	10.67	10.67	10.11	10.11	8.99	9.55	10.67	(10.3%)
3rd/[314,340)	8.19	11.11	11.70	8.77	9.94	7.60	11.11	10.53	10.53	10.53	(9.9%)
4th/[340,356)	10.98	8.54	11.59	12.20	9.15	7.93	10.37	9.15	7.93	12.20	(9.5%)
5th/[356,368)	6.20	10.08	5.43	10.08	7.75	21.71	8.53	9.30	8.53	12.40	(7.5%)
6th/[368,389)	11.36	13.18	9.09	9.55	13.18	9.55	4.09	13.18	11.36	5.45	(12.8%)
7th/[389,407)	10.53	9.21	9.87	9.87	11.18	3.29	19.74	7.24	7.89	11.18	(8.8%)
8th/[407,427)	10.37	10.98	11.59	9.76	6.10	12.20	8.54	7.32	15.24	7.93	(9.5%)
9th/[427,475)	7.54	7.54	12.06	7.54	15.08	9.55	5.53	16.08	5.53	13.57	(11.5%)
10th/[475,600)	11.11	10.56	15.56	6.11	9.44	16.11	7.78	10.00	7.22	6.11	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution — 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution — 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100