Student Growth Percentile Goodness−of−Fit Descriptives
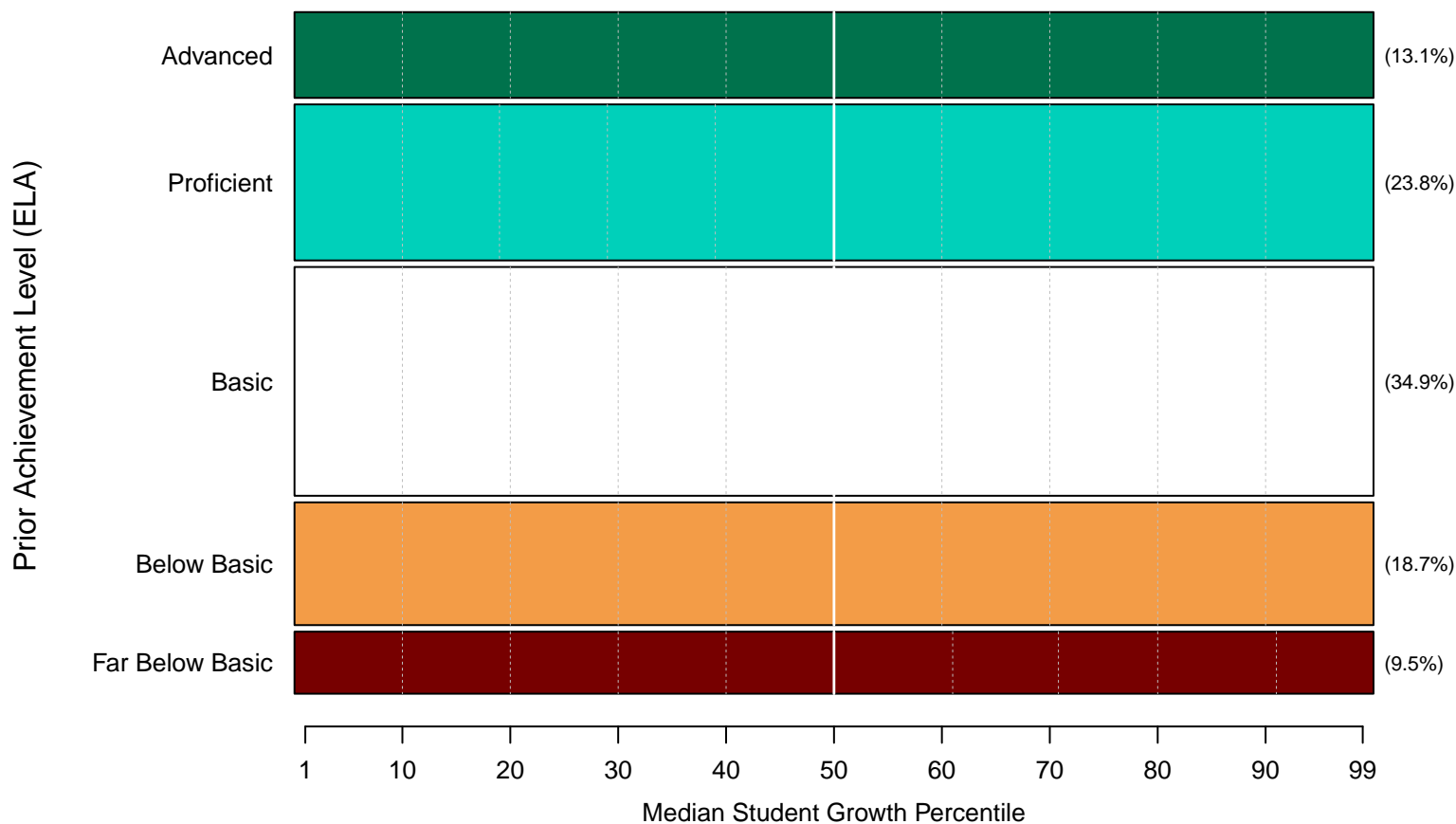## 2011 ELA SGP, Grade 4 (N = 43,039)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (ELA)

Level	Percent
Advanced	(13.1%)
Proficient	(23.8%)
Basic	(34.9%)
Below Basic	(18.7%)
Far Below Basic	(9.5%)

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/[163,259)	9.77	9.87	10.13	9.69	9.72	9.72	10.04	10.23	9.77	11.07	(9.5%)
2nd/[259,281)	9.34	9.62	10.14	9.80	10.06	10.01	9.67	9.47	10.50	11.40	(9%)
3rd/[281,300)	9.41	10.56	9.46	10.23	9.70	10.01	10.35	10.35	9.56	10.37	(9.7%)
4th/[300,315)	9.78	9.87	10.12	9.85	10.00	10.46	10.12	9.95	9.31	10.56	(9.5%)
5th/[315,331)	9.29	10.13	9.95	9.95	9.69	9.73	9.65	9.65	10.90	11.05	(10.6%)
6th/[331,344)	10.09	9.59	9.61	9.96	10.59	10.19	10.03	9.64	9.98	10.32	(8.8%)
7th/[344,364)	9.09	9.91	10.47	9.75	9.72	10.11	10.08	10.44	10.28	10.15	(12.2%)
8th/[364,381)	9.74	10.13	9.71	9.82	10.28	9.92	10.23	10.31	9.11	10.75	(8.9%)
9th/[381,411)	9.94	10.13	10.05	10.47	9.80	9.73	9.75	9.61	10.13	10.38	(11.1%)
10th/[411,600]	9.47	9.97	10.10	9.86	9.69	10.38	10.10	10.25	9.90	10.27	(10.7%)

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

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100)

Empirical SGP Distribution (y-axis: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100)