Student Growth Percentile Goodness–of–Fit Descriptives
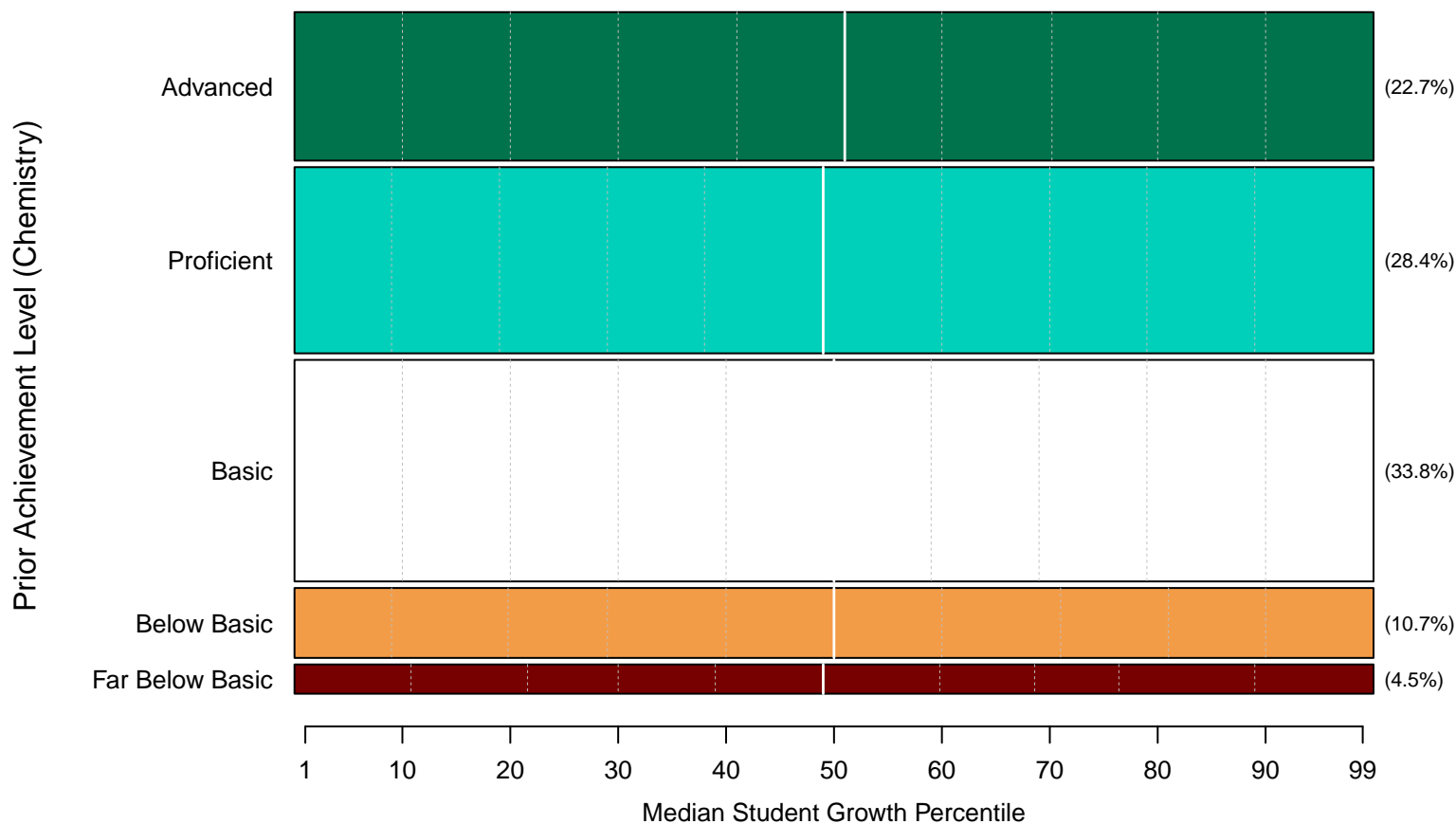
2012 Physics SGP, Grade EOCT (N = 3,562)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Chemistry)

Level	Percentage
Advanced	(22.7%)
Proficient	(28.4%)
Basic	(33.8%)
Below Basic	(10.7%)
Far Below Basic	(4.5%)

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/[223,290)	9.70	10.61	10.00	9.39	10.00	10.30	9.70	10.00	11.21	9.09	(9.3%)
2nd/[290,309)	11.08	9.50	11.87	10.29	8.71	9.23	10.29	10.55	9.23	9.23	(10.6%)
3rd/[309,326)	8.50	10.26	8.50	9.97	12.02	9.68	9.38	10.26	9.97	11.44	(9.6%)
4th/[326,340)	7.76	8.33	9.20	10.06	8.91	10.92	9.77	9.77	11.21	14.08	(9.8%)
5th/[340,354)	11.08	11.08	10.80	9.09	11.36	11.65	9.38	9.09	8.52	7.95	(9.9%)
6th/[354,369)	12.30	9.42	9.42	10.47	8.38	6.28	11.52	12.04	12.04	8.12	(10.7%)
7th/[369,380)	7.14	10.53	11.28	9.40	8.27	11.65	12.41	10.53	7.89	10.90	(7.5%)
8th/[380,399)	10.64	10.36	10.36	12.04	12.32	8.12	7.84	8.68	9.80	9.80	(10%)
9th/[399,422)	7.69	10.99	9.34	8.24	9.89	13.19	8.79	10.16	9.07	12.64	(10.2%)
10th/[422,600)	11.06	8.58	10.61	10.16	9.71	9.71	10.61	10.16	10.16	9.26	(12.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution