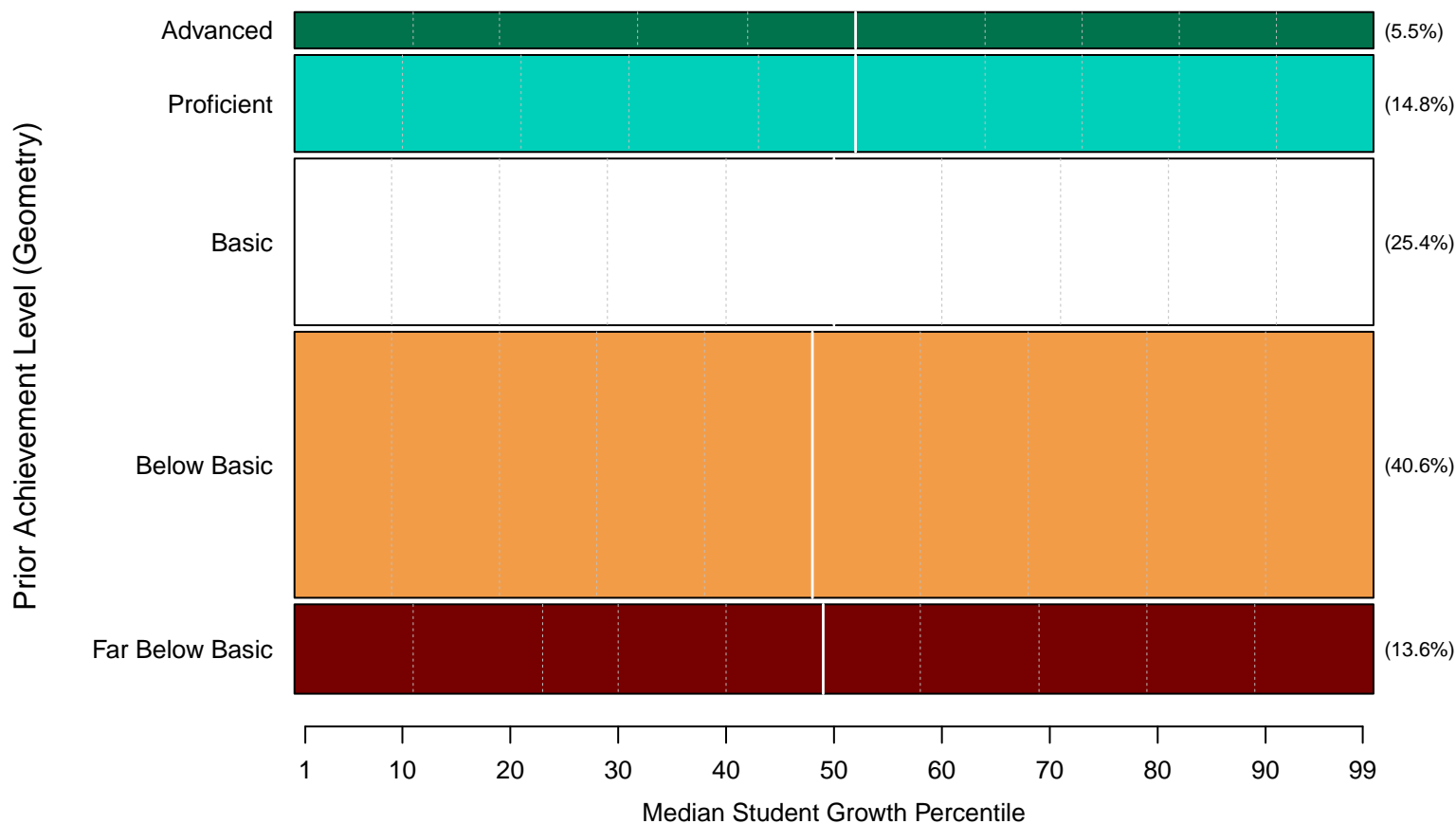# Student Growth Percentile Goodness–of–Fit Descriptives
2011 Algebra II SGP, Grade EOCT (N = 22,482)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

Advanced	(5.5%)
Proficient	(14.8%)
Basic	(25.4%)
Below Basic	(40.6%)
Far Below Basic	(13.6%)

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/[155,240)	8.82	8.31	10.29	10.46	10.29	10.97	11.26	10.12	9.67	9.79	(7.9%)
2nd/[240,254)	8.48	10.77	10.57	11.37	10.57	9.48	8.18	10.32	10.12	10.12	(8.9%)
3rd/[254,268)	10.30	10.75	8.87	10.18	12.75	8.62	9.56	10.22	8.58	10.18	(10.9%)
4th/[268,281)	10.83	11.91	8.26	11.11	8.18	10.75	10.91	9.59	8.78	9.67	(11.1%)
5th/[281,293)	11.43	10.29	10.79	12.06	7.76	9.66	9.57	8.48	9.52	10.43	(9.8%)
6th/[293,310)	9.95	10.68	10.48	9.14	11.49	9.91	8.49	9.26	9.78	10.84	(11%)
7th/[310,326)	9.78	11.48	9.19	10.31	9.05	10.12	10.55	9.44	8.12	11.96	(9.1%)
8th/[326,352)	10.40	9.67	9.47	9.63	9.18	10.40	8.78	9.71	10.56	12.22	(11%)
9th/[352,389)	9.72	9.67	8.36	11.92	7.80	9.44	9.67	10.79	11.17	11.45	(9.5%)
10th/[389,600]	9.12	10.48	7.69	9.74	8.30	10.65	11.43	9.37	11.34	11.88	(10.8%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution