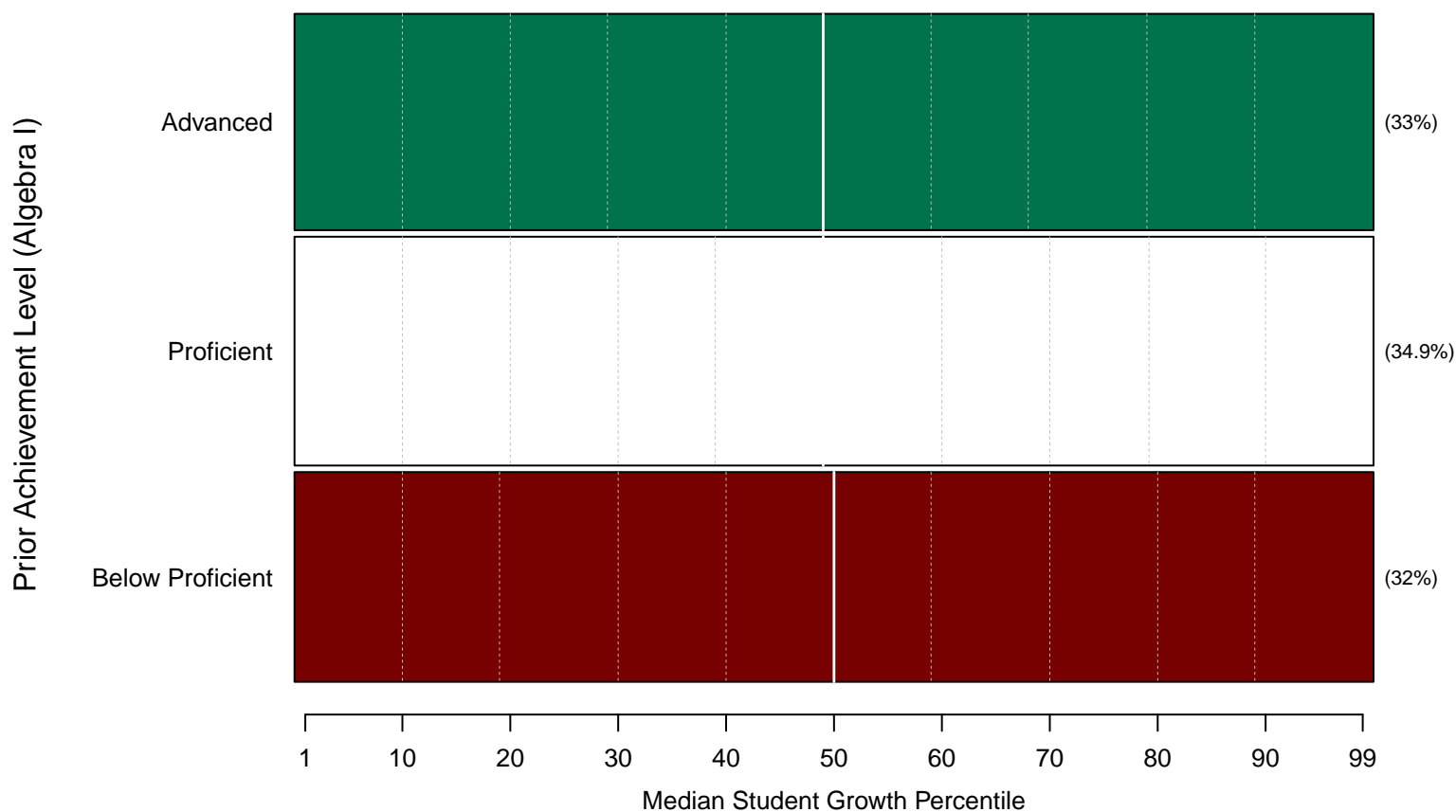# Student Growth Percentile Goodness–of–Fit Descriptives
2011 Geometry SGP, Grade EOCT (N = 30,683)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)

- Advanced (33%)
- Proficient (34.9%)
- Below Proficient (32%)

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/[130,151)	10.19	9.47	9.58	9.92	11.51	10.38	8.94	10.75	8.75	10.49	(8.6%)
2nd/[151,156)	9.53	10.25	11.61	9.86	7.28	10.79	11.55	8.63	10.49	10.01	(10.8%)
3rd/[156,159)	8.20	12.14	7.66	9.94	12.76	11.73	6.27	9.63	11.73	9.94	(7.3%)
4th/[159,161)	11.93	9.94	7.56	11.44	10.40	11.32	6.98	12.28	9.44	8.71	(8.5%)
5th/[161,164)	10.03	7.35	11.85	9.83	11.23	8.13	12.60	8.00	8.83	12.15	(13%)
6th/[164,166)	9.52	13.07	7.25	10.01	11.13	8.16	9.66	9.75	11.31	10.13	(11.1%)
7th/[166,168)	8.77	10.66	8.38	12.81	10.40	8.17	9.71	13.84	7.18	10.10	(7.6%)
8th/[168,171)	9.58	12.02	9.58	8.96	10.88	14.23	4.00	9.67	10.86	10.23	(11.5%)
9th/[171,175)	9.97	9.00	12.36	9.24	12.39	5.30	12.24	9.00	10.75	9.75	(10.8%)
10th/[175,199]	9.61	9.10	10.76	9.49	11.91	10.16	11.15	10.55	9.04	8.22	(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